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TEXAS A&M INTERNATIONAL UNIVERSITY

A Member of the Texas A&M University System

The provisions of this Catalog do not constitute a contract, express or implied, between any applicant, student, faculty or staff member of Texas A&M International University or The Texas A&M University System. This catalog is for informational purposes only. The University reserves the right to change or alter any statement herein without prior notice. This Catalog should not be interpreted to allow a student that begins his or her education under the Catalog to continue the program under the provisions in the Catalog.

More current information may be found online at www.tamiu.edu.

5201 University Boulevard
Laredo, Texas 78041-1900
Phone: 956.326.2001
A MESSAGE FROM THE PRESIDENT

Dear Catalog Visitor,

The Texas A&M International University Catalog is a living guide to the University, its life and its mission. With it, you can plan your journey, expand your horizons, refine your experience, and define your path. It is a powerful tool that can truly help you construct your future.

Herein, you’ll find out more about our broad spectrum of undergraduate, graduate, and doctoral programs, our gifted faculty and dedicated staff – and learn more about our campus’ facilities and resources. From the comforting bells of our Trailblazer Tower to the soaring spaces of the Academic Innovation Center, you’ll find TAMIU is a place that energizes and inspires you.

Whether your challenge is found in a laboratory, on the playing field, in a group project, or in a study abroad experience, your journey begins here. The Catalog is where you’ll find your muse: is it in the pages of literature? Can it be seen through an electron microscope? Is it gauged in market analysis? Is it shaped by an internship experience? Is it contemplated in your creation of a work of art? Is it part of a "growing" experience in our Community Garden? All this and more...your future, your passion, is here. Simply put, the Catalog lights your path.

For over 50 years, this University has been the conduit to a rich and dynamic tradition of educational excellence for all students. As you set foot on this campus and make your degree progress forward, you’ll follow in the footsteps of alumni and expand upon a legacy of impact created by over 32,000+ graduates worldwide.

As the campus has grown, so have opportunities for you to expand your face-to-face or online classroom experience. Choose from an impressive array of over 100 student clubs and organizations, internships, leadership activities, on-campus cultural and social events, and global study opportunities on virtually every continent. If your path should momentarily detour, rest assured that our expanded student support services are ready to advise, to help you to always move forward.

This is a place of new life. A place where you’ll “Go Beyond” anything you might expect. A place where faculty and staff are engaged in helping you discover who you might be – and to support you as you build that new identity. And as you evolve, we’ll celebrate with you. Together, we’ll have much to celebrate.

We are honored to help you design and build the future you envision. I look forward to your presence on campus or online. I’m delighted to welcome you as you “Go Beyond” at TAMIU...and propel yourself into a bright future of measurable impact and substance.

Sincerely,

Pablo Arenaz, Ph.D.
President

About Our University

INSTITUTIONAL MISSION

Texas A&M International University (TAMIU), a Member of The Texas A&M University System, prepares students for leadership roles in an increasingly complex, culturally diverse state, national, and global society. TAMIU provides a learning environment built on a solid academic foundation in the arts and sciences. The University offers a range of baccalaureate and master’s programs and the Doctor of Philosophy degree in International Business Administration. In addition, the University pursues a progressive agenda for global study and understanding across all disciplines.

Through instruction, faculty and student research, and public service, TAMIU improves the quality of lives for citizens of the border region, the State of Texas, and national and international communities.

HISTORY OF THE UNIVERSITY

Established as an upper-level center in 1970, the University has evolved into a four-year institution with authority to develop doctoral level programs. The University has operated as Texas A&I University at Laredo (1970-1976), Laredo State University (1977-1992), and, since 1993, as Texas A&M International University, a proud Member of The Texas A&M University System. In 2019-2020, it celebrated the 50th Anniversary of its founding and its 25th Anniversary on its dynamic, 300-acre campus in northeast Laredo.

LOCATION

As its name implies, Texas A&M International University is an international university, poised at the Gateway to México and serving as the intellectual center of a vibrant multilingual and multicultural community.

Laredo is 156 miles south of San Antonio, 158 miles west of Corpus Christi, and 153 miles north of Monterrey, Nuevo León, México. Laredo is at an enviable crossroads of international business and life. Its history is hallmarked by seven sovereign flags and people of all races and nations are drawn by a colorful environment and tropical climate that affords a pleasant lifestyle for all.

Over 261,000 people call Laredo home and the city is the 10th largest city in Texas.

The Río Grande river winds its way between Laredo and its sister city, Nuevo Laredo, Tamaulipas, México. Nuevo Laredo is home to over 373,000 people and offers its own rich culture, history and traditions, most proudly shared by the peoples of Los Dos Laredos.

ACCREDITATION AND MEMBERSHIP IN EDUCATIONAL ASSOCIATIONS

Texas A&M International University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, masters, and doctorate degrees. Questions about the accreditation of Texas A&M International University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA.
The undergraduate and graduate programs in the A. R. Sanchez, Jr. School of Business are accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

The College of Education Educator Preparation Programs is accredited by the State Board for Educator Certification. Accreditation status is based on accountability standards as established by the Texas Education Agency.

The undergraduate and graduate programs in the Dr. F. M. Canseco School of Nursing in the College of Nursing and Health Sciences are accredited by the: Texas Board of Nursing and the Accreditation Commission for Nursing Education, 3343 Peachtree Road NE, Suite 850 Atlanta, GA 30326 Phone: 404.975.5000 Fax: 404.975.5020 www.acenursing.org

The Master of Public Administration program is accredited by the National Association of Schools of Public Affairs and Administration (NASPAA).

Texas A&M International University Teacher Preparation Programs are accredited by the State Board for Educator Certification (SBEC).

The Master of Arts in Counseling Psychology (MACP) is accredited by the Master in Psychology and Counseling Accreditation Council (MPCAC).

Texas A&M International University is a member of the American Association of State Colleges and Universities and the American Council on Education.

The Texas A&M University System

• Texas A&M University
  • Texas A&M University at Galveston
  • Texas A&M University at Qatar
  • Texas A&M Health Science Center
• Prairie View A&M University
• Tarleton State University
• Texas A&M International University
• Texas A&M University - Corpus Christi
• Texas A&M University - Kingsville
• Texas A&M University - Commerce
• Texas A&M University - Texarkana
• Texas A&M University - Central Texas

• Texas A&M University - San Antonio
• West Texas A&M University

Texas A&M University Board of Regents

• Elaine Mendoza, Chairman
• Tim Leach, Vice Chairman
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• Robert L. Albritton
• Jay Graham
• Miguel A. “Mike” Hernandez III
• Bill Mahomes
• Michael J. Plank
• Cliff Thomas
• Cahlen Cheatham, Student Regent

System Administrative Officers

• John Sharp (chancellor@tamus.edu), Chancellor
• Billy Hamilton (bhamilton@tamus.edu), Deputy Chancellor and Chief Financial Officer
• James R. Hallmark (jhallmark@tamus.edu), Vice Chancellor for Academic Affairs
• Ray Bonilla (rbonilla@tamus.edu), General Counsel

Texas A&M International University Executive Officers

• Pablo Arenaz (president@tamiu.edu), Ph.D., President
• Thomas Mitchell (tmitchell@tamiu.edu), Ph.D., Provost and Vice President
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• Rosanne Palacios (rosanne.palacios@tamiu.edu), B.J., Vice President for Institutional Advancement
• Minita Ramirez (minita@tamiu.edu), Ph.D., Vice President for Student Success

General Information

EQUAL OPPORTUNITY POLICY

Texas A&M International University will provide equal opportunity for educational programs/activities, admissions, and employment to all persons regardless of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, or gender identity and will strive to achieve full and equal employment opportunity throughout the University. No individual will, on the basis of race, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, or gender identity be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any University program/activity, admissions, or employment.

If you feel that you have been subjected to discrimination, sexual harassment and/or related retaliation, please contact the Director of Equal Opportunity and Diversity, Lorissa M. Cortez, Sue and Radcliffe Killam Library, Room 159B, 5201 University Boulevard, Laredo, TX.
Entering freshmen students enroll in First-Year Experience (FYE) courses. These courses embed several high impact practices (HIPs), such as learning communities and collaborative assignments and projects. HIPs are nationally recognized educational practices designed for learning communities and collaborative assignments and projects.

These courses embed several high impact practices (HIPs), such as (e.g., critical thinking/problem-solving skills, and communication skills), where writing and presentation skills, coupled with professionalism, are emphasized.

Students are expected to participate in the collection of this information.

THE SUE AND RADCLIFFE KILLAM LIBRARY

The Sue and Radcliffe Killam Library began its first year of operation in 1995 in a four-story facility that balances traditional print library resources with electronic library services. The Killam Library preserves and provides access to a rich, diverse and enduring source of knowledge to inform, engage and inspire intellectual and creative endeavors. The Library's staff and faculty are ready to assist all members of the University community online and in person with their professional expertise.

Library patrons can use our discovery tool and access Library collections through WorldCat Discovery. The Sue and Radcliffe Killam Library Collection embraces over a million titles including print books, eBooks, audiovisual materials and Federal and Texas State Government Documents.

Library users have access to more than 86,000 journals/magazines/newspapers in 230+ research databases. Additionally, the Library houses substantial collections of archival materials in the Special Collections and Archives. The Killam Library is also a member of OCLC, a worldwide library network, which makes the collections of other institutions available to our Library through interlibrary loan.

More information on the Killam Library is online.

PERSISTENCE STATEMENT - GRADUATION RATE

Texas A&M International University is committed to ensuring that all students are provided with an excellent high quality academic program, as well as robust academic support services. Both are designed to assist students to successfully achieve their individual goals and degrees in a reasonable amount of time.

University resources are also introduced, such as the Killam Library, University Learning Center, Writing Center, and other academic support services. Students become acclimated to co-curricular activities across the campus. Mentor meetings, as part of the FYE courses, are held throughout the freshmen year to aid with academic issues and to develop self-efficacy skills.

In 2020, the 6-year graduation rate was 56%, 5-year graduation rate was 48%, and 4-year graduation rate was 33% for the first-time, full-time degree seeking freshman class at Texas A&M International University first enrolled in Fall 2014, 2015, and 2016, respectively.

STUDENT RIGHT-TO-KNOW AND CAMPUS SECURITY ACT

In compliance with the federal Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (the Clery Act), the following information is maintained and available through the TAMU Police Department:

Annual Security & Fire Safety Report
Texas A&M International University is committed to assisting all members of the University community, and prospective students and employees, with valuable information concerning their own safety and security. The Annual Security and Fire Safety Report (ASFSR) is available on the Texas A&M International University website at http://www.tamiu.edu/clery.pdf.

The ASFSR contains information regarding campus security and personal safety including topics such as crime prevention, fire safety, university police law enforcement authority, crime-reporting policies, disciplinary procedures and other matters of importance related to security and safety on campus. The Report also contains information about crime statistics for the three previous calendar years concerning reported crimes that occurred on campus, in certain non-campus buildings or property owned or controlled by TAMU or a recognized student organization, and on public property within, or immediately adjacent to and accessible from, the campus. Statistics of all reported fires occurring inside on-campus student housing facilities are also provided for the three most recent calendar years.

If you would like to receive a hard copy of the revised Annual Security and Fire Safety Report, which contains the above information, you can stop by the University Police Department, 5201 University Boulevard, Laredo, TX 78041, or you can request that a copy be mailed to you by calling 956.326.2100.

TUITION REBATES FOR UNDERGRADUATE STUDENTS

The purpose of this program is to provide a financial incentive for students that complete a bachelor’s degree efficiently, taking as few courses outside of their respective degree plan as possible. The program's goal is minimizing the number of courses students take. The rebate for eligible students is a maximum of $1,000. For more information, please visit http://www.collegeforalltexans.com/apps/financialaid/tofa2.cfm?ID=447
Application forms and instructions are available in the Office of the University Registrar located in the Senator Judith Zaffirini Student Success Center, Room 121.

SUPPLEMENTARY UNIVERSITY PUBLICATIONS

Faculty Handbook, published by the Faculty Senate.


Student Handbook, published by the Office of Student Conduct and Community Engagement.

2021-2022 Academic Calendar

Current information may be found online at Academic Calendar.

Catalog Archive

Academic Catalog 2020-2021 (web, pdf)
Academic Catalog 2019-2020 (web, pdf)
Academic Catalog 2018-2019 (web, pdf)
Academic Catalog 2017-2018 (web, pdf)
Previous Catalogs
STUDENT SERVICES

Career Services

Career Services provides a spectrum of services to assist students and alumni explore career options and obtain information in order to make well-informed decisions regarding majors, job preparation and job location. Professional staff members work with students and alumni to plan their careers and locate work-related opportunities through several programs.

Career Exploration and Planning

- **Career Counseling**: Confidential career counseling is provided on an individual basis for more in-depth career exploration. Assessments are often used to assist in identifying interest, abilities, and values - essential in choosing a satisfying major or career. These assessments may include a computerized questionnaire, the Myers Briggs Type Indicator (MBTI) personality type inventory, or Strong Interest Inventory (SII).
- **Career Fairs**: Held on a semester basis, these fairs provide current job, internship, graduate school information, and networking opportunities.
- **Career Resources**: Career exploration materials housed in the Career Resource Center include books, magazines, brochures and videos. Many feature information about occupational characteristics, duties, salaries, and working conditions. Free magazines and handouts focusing on the job preparation process are also available.

Job Search Services

Career Services coordinates job preparation and programs intended to connect students and alumni with employers. Some of these services include:

- **Job Fairs**: The career fairs provide an opportunity to interact with prospective employers. These events enable participants to talk directly with representatives of corporations, non-profit agencies, federal and state agencies, government, school districts, volunteer organizations, graduate schools among others.
- **Job Vacancy Notices**: Current job openings are advertised via online job database, and are categorized by on-campus, part-time, full-time and internship opportunities for local, statewide, nationwide and global opportunities.
- **On-Campus Recruitment**: Allows qualified students an opportunity to interview with companies, agencies, and school districts which recruit on campus throughout the year. Students and alumni may access company information and interview dates.
- **Resume Critiques**: Professional staff provide objective feedback and helpful suggestions to assist students and alumni in composing a high-quality resume that highlight your marketable skill sets.
- **Mock Interviews**: Perfect your interviewing skills for phone, panel and virtual interviews through mock interviews. Receive feedback on your poise, level of confidence and responses. **Workshops**: Throughout the semester, these sessions aid students in writing cover letters, resumes, preparing for an interview, dressing for success and personal branding.

- **Online Prep Courses and Trainings**: Gain access to information on preparing for graduate programs such as practice admission exams, typing tests, and other resources.
- **Career Closet**: Select and borrow garments from a variety of professional attire for interviews, presentations, and other professional functions.

All Texas A&M International students and alumni, regardless of graduation date, are encouraged to access the services and programs offered by the Office of Career Services, Student Center Room 114, (956) 326-4473.

Continuing Education

Education is a lifelong learning process. It is critical that professionals stay up to date on new and emerging technologies in their respective fields to enhance their credentials. TAMU’S Continuing Education Department facilitates educational activities provided by our programs that bring high-quality technical education to individual learners and organizations. Our department utilizes our top-notch faculty and industry experts to deliver superior knowledge and practical application scenarios to its professional development and continuing education experiences. Your success plan can be customized to deliver short courses, workshops, or conferences. Our online professional courses can be accessed through open enrollment, and customized to one's pace of learning. Enroll now and own your “success!” Whether through face-to-face, online or blended methods, the Office of Continuing Education is ready to deliver short courses, online certifications, workshops and conferences.

The Office of Continuing Education and Professional Development makes the educational resources of Texas A&M International University available for non-credit education programs and conferences designed to promote lifelong learning, regardless of age, interest, or location. Our programs fall into six general categories: Professional Development, Professional Certification Programs, Certificate Programs, Personal Enrichment, Summer Youth Programs, and Conferences. We also build courses to fit the needs of your company. We partner with academic courses to offer the community the opportunity to attend University classes as a non-credit participant. We also partner with the Texas Workforce Commission to offer opportunities to attain a Certificate to enhance a person's job potential.

DUSTY’S JUNIOR UNIVERSITY SUMMER PROGRAM

The Office of Continuing Education offers a summer camp for children from Kinder to 12th grade. Our camp provides a child the opportunity to continue learning through our innovative summer camp. They will get to experience a little of University Life by attending classes on campus, eating lunch at the food court and developing their own class schedule. Exposing children to the University atmosphere at an early age can truly impact their future goals and even success.

EDUCATIONAL CAMPS FOR ELEMENTARY, MIDDLE AND HIGH SCHOOL STUDENTS

The Office of Continuing Education offers educational learning camps for students to enhance their learning potential. Educational camps come in many different forms. A wide range of these specialty camps are aimed at teaching children in a specific area. This is really more like an alternative
classroom—sometimes without walls—that helps children advance an educational interest or skill. Prep classes are offered for students taking the SAT, ACT and TSI.

ENRICHMENT COURSES

The Office of Continuing Education offers life-long learning courses for personal enrichment. These range from painting, ceramics, foreign language, writing, healthcare, exercise, cooking and more.

ADVANCED PLACEMENT SUMMER INSTITUTE

Each summer Texas A&M International University Office of Continuing Education hosts the College Board Advanced Placement Summer Institute for those teachers seeking to become AP certified or to learn innovative best practices, explore research-based strategies, or increase course knowledge.

MILITARY SPOUSE CAREER ADVANCEMENT ACCOUNTS

TAMIU Office of Continuing Education is honored to be working with the Department of Defense’s expanded Military Spouse Career Advancement Accounts (MyCAA) program to provide medical, business, technical, and legal online training at no cost to the spouses of our military who work hard daily to protect our country. The Office of Continuing Education believes that military spouses deserve a high-quality education that leads to an in-demand career – a career that's portable, so relocation never gets in the way of reaching their goals.

OFFICE OF CONTINUING EDUCATION

Killam Library 421
5201 University Boulevard, Laredo, TX 78041
Phone: 956.326.3068
Fax: 956.326.2838
Email: ce@tamiu.edu
Office Hours: Monday – Friday, 8 am - 5 pm
http://www.tamiu.edu/ce

TAMIU AMERICAN HEART ASSOCIATION TRAINING CENTER

TAMIU’s American Heart Association (AHA) Training Center is located within the Office of Continuing Education. Its mission is to strengthen the Chain of Survival in our community. The Training Center serves as the principal resource for information and support for AHA Instructors. AHA courses (Heartsaver, Basic Life Support, and ACLS) are offered at TAMIU to provide First Aid and CPR training opportunities that lead to an in-demand career – a career that's portable, so relocation never gets in the way of reaching their goals.

TAMIU AHA Training Center

Killam Library 421
5201 University Boulevard, Laredo, TX 78041
Phone: 956.326.3068
Fax: 956.326.2838
Email: cpr@tamiu.edu
Office Hours: Monday – Friday, 8 am - 5 pm
http://www.tamiu.edu/ce/CPR.shtml

International Language Institute

The International Language Institute (ILI) offers a dynamic language program, which includes English as a Second Language (ESL), Spanish, and other language and preparation courses. The ESL program is an intensive and structured course offering. ESL instructors are unquestionably dedicated to students’ learning. Our courses are intended for the international student and community who want to excel in an academic or professional setting.

International Students’ Deadlines

Fall I & III July 1st
Fall II September 1st
Spring I & III December 1st
Spring II February 1st
Summer Session May 1st

International Language Institute

5201 University Boulevard, Lamar Bruni Vergara Science Center 201
Laredo, Texas 78041
Phone: 956.326.2136
Fax: 956.326.2836
Email: ili@tamiu.edu
Office Hours: Mon. - Fri. 8 am - 5 pm
Student Center

The Student Center is the heart of TAMIU and its students. Whether you stop for a meal or would like to apply for an on-campus job, the Student Center is the one-stop-shop for all students and community visitors. This facility houses a variety of University Departments, meeting facilities, and lounge areas. The Student Center is designed to support the programs, special events, meetings, and conferences of the students, faculty and staff of Texas A&M International University. The following services are located at the Student Center:

Aramark Food Service:
- **Office:** Located on the first floor in room 127, Aramark offers a wide range of catering services from a simple coffee break to an elaborate full service event. Aramark has the exclusive rights to all Catering Service needs provided on campus. Catering Services are also available for on-campus events
- **Dusty’s Diner:** Located on the first floor, an all-you-can-eat buffet serving breakfast, lunch, and dinner seven days a week catering to students, faculty and staff.
- **The Food Court:** Located on the first floor, the Food Court sells a variety of menu items for breakfast and lunch.

Career Services: Located on the first floor in room 114, Career Services assists students in making career decisions and exploring their chosen fields, enhancing job searching skills, and finding part-time or permanent positions.

Event Services: Located in room 127, directly behind the Information Center, Event Services is the place to reserve space on campus for meetings and conferences.
- **Information Center:** The Student Center Information Center is located on the first floor in front of room 127. This is the place to find out the “who, what, when & where” of campus life and services.
- **Study Rooms:** Available to TAMIU Students for 2 hours.
- **Lost and Found:** If you lost your items check with us or if you find a lost item we will gladly take it and register lost item.
- **Watson Gallery:** Marvel at the ceramic works of Ms. Helen Richter Watson. Come by info desk or call 326-info to schedule a tour.

Game Room: Located outside the Student Center near the Bruni Vergara Garden, the Game Room offers many leisure activities, including pool tables, air hockey, darts and computer games.

Health Services: Located on the first floor in room 125, Health Services offers students clinical response for immediate needs, and provides information for the improvement of their individual health and wellness.

Student Counseling Services: Located on the first floor in room 128, the Office of Student Counseling Services offers short-term individual counseling, couples counseling, group sessions, consultations for students, faculty and staff referrals, and self-help pamphlets on various wellness topics to facilitate students’ transitions and challenges during their university life. For students, there is no additional charge to access these services.

Disability Services: Located on the first floor in room 118, the Office of Disability Services offers students a supportive learning community to empower students with disabilities to accomplish their academic goals by ensuring accessibility to university programs.

International Engagement: Located on the first floor in room 124, The Office of International Engagement develops, coordinates, and promotes the exchange of students and scholars. Study abroad programs vary from short-term programs led by TAMIU professors, to semester and yearlong programs offered through partner schools or affiliated study abroad organizations. These programs are available in various countries around the world and are open to students from all majors. Eligible students may qualify for Federal, State and institutional aid to finance their study abroad program. Two TAMIU scholarships for study abroad are available: the International Education Fee Scholarship and the Guadalupe and Lilia Martinez International Fellows Scholarship. OIE provides study abroad advising, including program selection, pre-departure orientation, visa requirements and procedures, financial aid, housing assistance, transfer of credits, and re-entry information.

Non-denominational Meditation Room: Located in Student Center 218, here you can enter a serene environment to refresh your mind and spirit. For some, this may mean engaging in prayer. For others, this may mean a quick moment of personal meditation or quiet reflection. A few moments in the Meditation Room can reduce your stress and help refocus your day.

Sky Lab: Need a place to use a computer or print your assignments with the BEST view of campus? The SkyLab offers 119 work stations and 20 lounge chairs with plugs to power all your electronics and the best view of the Lamar Bruni Garden.

Student Orientation, Leadership & Engagement (SOLE): Located on the second floor in room 224, SOLE is committed to providing students the opportunity to become involved on campus through a variety of innovative co-curricular programs that enhance the academic learning environment at TAMIU. As part of the Division of Student Success, the SOLE Office is committed to student access, engagement, growth and success.

Student Government Association: Located on the second floor in room 224, the Student Government Association represents the governing body of all students on campus. The Association also conducts programs that are of service to students including student elections, voting, conferences on student government, and leadership activities.

Student Conduct and Community Engagement: Located on the second floor in room 226, the Office of Student Conduct and Community Engagement aims to educate and balance the needs of individual students with those of the community.
- **Community Outreach:** SCCE fosters relationships with the community through volunteer opportunities and community work study programs.
- **Programs:** SCCE offers a myriad of other programs such as Peer to Peer Education and the TAMIU Drugs and Alcohol Prevention Program (DAAPP).
- **Dusty’s Food Pantry:** This office also houses Dusty’s Food Pantry where they help currently enrolled students focus on their studies without having to face the burden of food insecurity.
Student Enrollment

Admissions
Texas A&M International University is an equal opportunity educational institution. In compliance with Title VII of the Civil Rights Act of 1964 and Executive Order 11246, Texas A&M International University is open to all persons regardless of race, color, religion, sex, national origin, age, disability, and disabled veteran or veteran of the Vietnam Era who are otherwise eligible for admission as students.

For more information on admission requirements, please refer to Undergraduate (p. 32) and Graduate (p. 233) admissions information section of the catalog.

Recruitment and School Relations
The Office of Recruitment and School Relations is responsible for undergraduate recruitment and the Concurrent Enrollment Program for High School students. To obtain information on academic and prospect student programs at Texas A&M International University, contact:

Office of Recruitment and School Relations
Texas A&M International University
Senator Judith Zaffirini Student Success Center Room 130
5201 University Boulevard
Laredo, Texas 78041-1900, U.S.A.
Phone: 956.326.2270
Fax: 956.326.2269
Toll Free: 1.888.4TX.AMIU (489.2648)
Prospective Freshman: enroll@tamiu.edu
Transfer Student: transfer@tamiu.edu
http://www.tamiu.edu/prospect

Concurrent Enrollment Program for High School Students
Qualified high school students may enroll in university-level courses at TAMU as a concurrent enrollment student. High school freshman and sophomore students must undergo an admissions reviewing process by the Concurrent Admissions Committee. Concurrent students may not enroll in more than two university-level courses each long semester or summer session.

Concurrent Admission to Texas A&M International University is only granted for the semester for which students apply. Students who do not enroll for the semester for which they are approved should contact the Office of Recruitment and School Relations before attempting to enroll for another semester. A Concurrent Authorization & Acknowledgement Statement Form and an updated high school transcript must be submitted each subsequent semester. Students must maintain a 2.0 or higher institutional grade point average based on a 4.0 scale in order to continue in the program.

Implementation of concurrent admissions policy is the responsibility of the Director of Recruitment and School Relations. The University Admissions Standards and Exceptions Committee must approve any exception to the admission policy.

1. Application for Concurrent Admission. This application must be submitted online at www.applytexas.org. Students may contact the Office of Recruitment and School Relations for instructions on how to complete this application.


3. Official High School Transcript. The official high school transcript must show student's most updated GPA, including all coursework completed. Official transcripts must be received in a sealed envelope or online by the high school or official transcript service provider.

4. Official College/University Transcript(s). Any college/university transcripts other than TAMU must be sent directly from each institution attended, if any college credit has been earned. A minimum overall grade point average of 2.0 is required.

All students must attempt all three sections of the Texas Success Initiative (TSI) Placement Exam (i.e. Mathematics, Reading, and Writing) before course registration at TAMU. Applicants who neglect to meet the required TSI placement scores, will not be allowed to take the corresponding university-level courses. See Texas Success Initiative in the section entitled University College.

In addition, Texas law (Senate Bill 1107 and Senate Bill 62) requires that students entering institutions of higher education either receive a vaccination against bacterial meningitis or meet certain criteria for declining such a vaccination at least 10 days prior to the first day of their first semester.

Testing Center
The Testing Center, ZSC 201, coordinates university testing which includes credit by examination (CLEP), placement testing (Texas Success Initiative), departmental exams and other assessment programs.

Texas Success Initiative (TSI)
The Texas Success Initiative (TSI) was adopted by the Texas legislature in the Summer of 2003 (Texas Education Code, Section 51.307) and became effective September 1, 2003. Every Texas public institution of higher education (IHE) must meet the Texas Success Initiative (TSI) mandates which require IHE to provide individualized programs to ensure the success of students in higher education.

In addition, each entering undergraduate student must document college readiness as approved by the Texas Higher Education Coordinating Board (THECB). The TSI test measures skills in reading, mathematics, and writing. The TSI cannot be used as a criterion for admission; only placement. Institutions may not require a higher standard for entry into introductory college level classes than permitted by the state.

NEW Texas Success Initiative (TSIA2)
The THECB (Texas Higher Education Coordinating Board) has approved the release of the new TSIA2 effective January 11, 2021 which will take place of the former TSI Exam. All students testing January 11, 2021 and onward will need to take the new version of the TSI exam. The Reading and Writing has been combined into one section which will be called the English Language Arts Reading (ELAR). There will still be a Mathematics section for the exam.
Students who do not pass all sections of the TSI are required to take developmental education courses in at least one of the component areas in order to enroll at Texas A&M International each semester.

Students who have not passed the ELAR portion of the TSIA2 or both the TSI Reading and Writing on the old TSI are restricted from taking ENGL 1301, HIST 1301, PSCI 2305, PSCI 2306 and PSYC 2301 and those who have not passed the mathematics portion of the TSI, are restricted from taking any MATH Core course. The above courses may only be taken if the developmental sequence was completed and passed.

For further information on TSI, contact the Testing Center, Zaffirini Student Success Center (ZSC), room 201.

Texas Success Initiative (TSI) Exemptions: Students who have scored at or above the test scores listed below are exempt. For further information, contact the Testing Center, ZSC room 201.

<table>
<thead>
<tr>
<th>Test</th>
<th>English</th>
<th>Math</th>
<th>Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAT (prior to March 2016)</td>
<td>500</td>
<td>500</td>
<td>1070</td>
</tr>
<tr>
<td>Redesigned SAT (valid for 5 years)</td>
<td>EBRW - 480</td>
<td>530</td>
<td>23</td>
</tr>
<tr>
<td>ACT (valid for 5 years)</td>
<td>19</td>
<td>19</td>
<td>23</td>
</tr>
<tr>
<td>TAAS (valid for 3 years)</td>
<td>89 reading</td>
<td>86 Texas Learning Index</td>
<td>1170 writing</td>
</tr>
<tr>
<td>TAKS</td>
<td>2200</td>
<td>2200</td>
<td></td>
</tr>
<tr>
<td>STAAR ECO</td>
<td>English 3 (Level 2)</td>
<td>Algebra 2 (Level 2)</td>
<td></td>
</tr>
</tbody>
</table>

Other Exemptions:

1. A student who has graduated with an associate or baccalaureate degree from an institution of higher education.
2. A student who transfers to an institution from a private or independent institution of higher education or an accredited out-of-state institution of higher education and who has satisfactorily completed college-level course work as determined by the receiving institution.
3. A student who has previously attended any institution and has met the readiness standard of that institution.
4. 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 years preceding enrollment.
5. 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 from service as a member of a reserve component of the armed forces of the United States.

Credit by Examination

Texas A&M International University allows students to receive a maximum of thirty-three (33) semester hours of credit by examination for specified freshman and sophomore level courses. The University awards credit for scores on certain tests listed in the Catalog. Students must be officially admitted at Texas A&M International University to receive official credit with a grade of “CR.” Students must select TAMU as school recipient in order to receive credit to be posted on their TAMU transcript. The Testing Center does not report official CLEP scores to the Office of the University Registrar for posting on transcripts; this is the student's responsibility.

Advanced Placement Program (AP)

Examinations offered by the College Board Advanced Placement Program are administered during late spring by high schools. Students usually take the examinations after completing Advanced Placement courses although experience in an AP course is not required. Interested students should contact their high school counselors for information concerning registration and test sites. High school students and currently enrolled students should have the College Board forward their scores to the Office of the University Registrar. Advanced Placement scores of entering freshmen are generally received in late July. Students can receive credit only by Advanced Placement (AP) for the following courses with the scores indicated:

<table>
<thead>
<tr>
<th>AP Exams</th>
<th>Credit Score</th>
<th>Hours Earned</th>
<th>Course Required</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art, History of</td>
<td>3+</td>
<td>3</td>
<td>ARTS 1301</td>
<td>History of Painting, Sculpture and Architecture</td>
</tr>
<tr>
<td>Biology</td>
<td>3+</td>
<td>4</td>
<td>BIOL 1306,1110</td>
<td>Principles of Biology I</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3+</td>
<td>4</td>
<td>CHEM 1311,1110</td>
<td>General Chemistry I and Lab</td>
</tr>
<tr>
<td>Computer Sciences</td>
<td>3+</td>
<td>3</td>
<td>MIS 1305</td>
<td>Introduction to Computer Applications</td>
</tr>
<tr>
<td>Economics, Macro</td>
<td>3+</td>
<td>3</td>
<td>ECO 2301</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>Economics, Micro</td>
<td>3+</td>
<td>3</td>
<td>ECO 2302</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>French Lang &amp; Comp</td>
<td>3+</td>
<td>3</td>
<td>FREN 1311</td>
<td>Introductory French I</td>
</tr>
<tr>
<td>Government</td>
<td>3+</td>
<td>3</td>
<td>PSCI 2305</td>
<td>American National Government</td>
</tr>
</tbody>
</table>
History - United States

Mathematics
- Calculus AB 3+ 4 MATH 2413 Calculus I
- Calculus BC 3+ 4 MATH 2414 Calculus II

Physics
- 1 3+ 4 PHYS 1301,11 General Physics I and Lab
- 2 4+ 8 PHYS 1302,11 General Physics II and Lab

Psychology 3+ 3 PSYC 2301 Introduction to Psychology

AP Exam | Score (Credits) | TAMIU Course | Title
--- | --- | --- | ---
Spanish Language | 3 (12) | SPAN 1311,1312 | Intro Spanish for N-Native Speakers I & II
| | | SPAN 2311 | Inter Spanish for N-Native Speakers I
| | | SPAN 2312 | Inter Spanish for N-Native Speakers II

Spanish Literature | 3 (12) | SPAN 1311,1312 | Intro Spanish for N-Native Speakers I & II
| | | SPAN 2311 | Inter Spanish for N-Native Speakers I
| | | SPAN 2312 | Inter Spanish for N-Native Speakers II

English Lang & Comp | 3 (3) | ENGL 1301 | English Composition I

English Lit & Comp | 3 (3) | ENGL 1301 | English Composition I

4 (6) | ENGL 1301,1302 | English Composition I & II

College-Level Examination Program (CLEP)
Students can receive credit by College-level Examination Program (CLEP) for the following courses with the scores indicated:

<table>
<thead>
<tr>
<th>CLEP Examination Name</th>
<th>Passing Score</th>
<th>Hours</th>
<th>TAMIU Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Literature</td>
<td>50</td>
<td>3</td>
<td>ENGL 2327</td>
<td>American Literature to the Civil War</td>
</tr>
<tr>
<td>Analyzing &amp; Interp Lit</td>
<td>50</td>
<td>3</td>
<td>ENGL 1302</td>
<td>English Composition II</td>
</tr>
<tr>
<td>College Composition</td>
<td>50</td>
<td>3</td>
<td>ENGL 1301</td>
<td>English Composition I</td>
</tr>
<tr>
<td>English Literature</td>
<td>50</td>
<td>3</td>
<td>ENGL 2322</td>
<td>British Literature Through Neoclassicism</td>
</tr>
<tr>
<td>American Government</td>
<td>50</td>
<td>3</td>
<td>PSCI 2305</td>
<td>American National Government</td>
</tr>
<tr>
<td>History of the US I: Col-1877</td>
<td>50</td>
<td>3</td>
<td>HIST 1301</td>
<td>The US to 1877</td>
</tr>
<tr>
<td>History of the US II: 1865-Pres</td>
<td>50</td>
<td>3</td>
<td>HIST 1302</td>
<td>The US Since 1877</td>
</tr>
<tr>
<td>Lifespan Growth &amp; Dev</td>
<td>50</td>
<td>3</td>
<td>PSYC 2314</td>
<td>Lifespan Growth and Development</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>50</td>
<td>3</td>
<td>PSYC 2301</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>50</td>
<td>3</td>
<td>SOCI 1301</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>College Algebra</td>
<td>50</td>
<td>3</td>
<td>MATH 1314</td>
<td>College Algebra</td>
</tr>
<tr>
<td>Principles of Biology</td>
<td>50</td>
<td>4</td>
<td>BIOL 1306,110 Principles of Biology I and Lab</td>
<td></td>
</tr>
<tr>
<td>Calculus</td>
<td>50</td>
<td>4</td>
<td>MATH 2413</td>
<td>Calculus I</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50</td>
<td>4</td>
<td>CHEM 1311,11 General Chemistry I and Lab</td>
<td></td>
</tr>
<tr>
<td>Info Systems &amp; Comp Appl</td>
<td>50</td>
<td>3</td>
<td>MIS 1305</td>
<td>Introduction to Computer Applications</td>
</tr>
<tr>
<td>French Language (Lev I)</td>
<td>50</td>
<td>6</td>
<td>FREN 1311</td>
<td>Elementary French I</td>
</tr>
<tr>
<td>FREN 1312</td>
<td>Elementary French II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish Language (Lev I)</td>
<td>50</td>
<td>6</td>
<td>SPAN 1311</td>
<td>Intro Spanish for N-Native Speakers I</td>
</tr>
<tr>
<td>SPAN 1312</td>
<td>Intro Spanish for N-Native Speakers II</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
International Baccalaureate Program (IB)

Texas A&M International University recognizes the value of the International Baccalaureate Program (IB) and has approved granting of credit for the IB Higher Level exams when a score of 5 or higher is attained. A score of 4 or higher on any higher level or standard level exam will be awarded to IB diploma candidates only.

The following are IB exams offered for credit at Texas A&M International University:

<table>
<thead>
<tr>
<th>IB Course</th>
<th>Exam Level</th>
<th>Required Score</th>
<th>TAMIU Course(s)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Best Language</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language A1</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>ENGL 1301</td>
<td>3</td>
</tr>
<tr>
<td><strong>Second Language</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language A2</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>SPAN 1311, 1312</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 or higher</td>
<td>FREN 1311, 1312</td>
<td>12</td>
</tr>
<tr>
<td>Language B</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>SPAN 1311, 1312</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 or higher</td>
<td>FREN 1311, 1312</td>
<td>6</td>
</tr>
<tr>
<td>Language Ab</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>SPAN 1311</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 or higher</td>
<td>FREN 1311</td>
<td>3</td>
</tr>
<tr>
<td><strong>Individuals and Societies</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>ECO 2301</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(HL)</td>
<td>4 or higher</td>
<td>ECO 2301, 2302</td>
<td>6</td>
</tr>
<tr>
<td>History of the Americas</td>
<td></td>
<td>4 or higher</td>
<td>HIST 1301, 1302</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>PHIL 1301</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>PSYC 2301</td>
<td>3</td>
</tr>
<tr>
<td><strong>Experimental Science</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>BIOL 1406</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(HL)</td>
<td>4 or higher</td>
<td>BIOL 1406, 1413</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>CHEM 1411</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(HL)</td>
<td>4 or higher</td>
<td>CHEM 1411, 1412</td>
<td>8</td>
</tr>
<tr>
<td>Physics</td>
<td>(SL)</td>
<td>4 or higher</td>
<td>PHYS 2325, 2125, 2326, 2126</td>
<td>8</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>(HL)</td>
<td>4 or higher</td>
<td>MATH 2412, 2413</td>
<td>8</td>
</tr>
<tr>
<td>Further</td>
<td>(HL)</td>
<td>4 or higher</td>
<td>MATH 2412, 2413</td>
<td>8</td>
</tr>
</tbody>
</table>

**University Registrar Registration**

Students who are officially admitted to the University may register for courses. Prior to each academic semester and for each summer session, a registration period is held. Dates of these registration periods and the dates of other transactions that affect student course schedules are available in the online academic calendar. Students are encouraged to visit with academic and faculty advisors during the fall and spring semesters for degree and class schedule planning.

**Pre-Registration for Current Students**

Students who are currently enrolled (students who have attended the University within the last two semesters) are permitted to register in advance during the prior semester provided they are in good standing with the University. Registration dates are listed in the online academic calendar and are otherwise announced in different communication platforms. Students are encouraged to become knowledgeable of the rules governing preregistration, consult their advisor prior to pre-registration, and understand the arrangements for payment of tuition and fees. Students receiving financial aid are encouraged to consult with the Office of Financial Aid prior to the pre-registration period to permit proper processing of their financial aid. (See the Financial Aid section of the catalog for details and contact the Office of Financial Aid regarding financial aid.).

**Transfer Students and Students Re-Enrolling After One or More Years’ Absence**

Students who are transferring to the University or who are re-enrolling in the University after an absence of one year or more, are permitted to register for classes if they have been admitted or readmitted. Students are encouraged to visit an advisor prior to registration.

**Public Information Policy and Family Educational Rights and Privacy Act**

TAMIU may, without consent of the student, release information designated as Directory Information. Directory information is defined by the Family Educational Rights and Privacy Act (FERPA) as information contained in an education record which would not generally be considered harmful or an invasion of privacy if released. It includes, but is not limited to:

- Name
- Address (mailing, local, permanent)
- Telephone number(s)
- Date and place of birth
- Dates of Attendance
Students who do not want information to be released, are responsible for notifying the Registrar in writing, or by completing the Request to Withholding information Form (PDF) during the first week of class to ensure that information is not released by the university. Students are responsible for requesting the release of their information once a request for withholding public information has been placed on record.

FERPA affords eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution at any age.) These rights include:

1. The right to inspect and review the student’s education records within 45 days after the day TAMU receives a request for access. A student should submit to the Office of the University Registrar a written request that identifies the record(s) the student wishes to inspect. The school official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the school official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student’s education records that the student believes is inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA. A student who wishes to ask TAMU to amend a record should contact the University Registrar, clearly identify the part of the record the student wants changed, and specify why it should be changed. If TAMU decides not to amend the record as requested, TAMU will notify the student in writing of the decision and the student’s right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

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

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by TAMU to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

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

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

- To other school officials, including teachers, within TAMU whom the school has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in § 99.31(a)(1)(i)(B) - (a)(1)(i)(B) (3) are met. (§ 99.31(a)(1))
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student’s enrollment or transfer, subject to the requirements of § 99.34. (§ 99.31(a)(2))
- To authorized representatives of the U. S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university’s State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §§99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§ 99.31(a)(3) and 99.35)
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the
Transcripts

The transcript is the official record of the student’s academic performance at the University. Official transcripts printed on security paper and bearing the University seal are available from the Office of the University Registrar. Students must clear any restrictions from their record before any transcript request can be honored. A signed and completed transcript request form may be submitted in person, by email, mail, or fax. In compliance with federal privacy laws, a student’s signature is required to release transcripts; therefore, transcript requests cannot be accepted by telephone.

Electronic Transcript

Electronic transcript requests are processed within the same day. Online orders for official electronic transcripts must be placed through the National Student Clearinghouse at getmytranscript.org.

In Person

A transcript request form must be completed and signed by the student at the Office of the University Registrar. A valid picture ID must also be presented. The transcript will be issued at the time of request.

Permanent Record Card

If you are a former student that attended either Texas A&I University, Laredo State University, or attended before 1995, you may have a Permanent Record Card. Please complete and sign the transcript request form and send us a copy of a valid picture ID to transcripts@tamiu.edu or via our mailing address and fax number below.

By Mail or Fax or Email

Students may request a transcript by submitting a completed and signed transcript request form. Payment can be made via credit card, check or money order payable to TAMU. The request will be prepared within one to three working days. The request may be submitted via email to transcripts@tamiu.edu, fax 956.326.2249 or mail to the following address:

Office of the University Registrar - Transcripts
Texas A&M International University, ZSC 121
5201 University Boulevard
Laredo, TX 78041-1900

Veterans’ Records

Texas A&M International University has entered into the education and training programs administered by the Veterans Administration. Hence, the University has assumed as one of its chief responsibilities the adaptation of all facilities to meet the needs of returning veterans who desire to take advantage of their eligibility for education and training as provided by Public Laws 16 and 346, 78th Congress; 550 and 894, 82nd Congress; and Public Law 89-358 for veterans of military service after January 3, 1955. Students receiving veterans’ educational benefits must provide transcripts from all previously attended post-secondary schools, a copy of their DD 214, and records of military educational programs completed to the school for evaluation of potential transfer credit. Veterans should also register with the Veterans Coordinator in the Office of the University Registrar. The Veterans Coordinator will assist the Veteran in processing all necessary related paperwork. For more information call 956.326.2254.

Commencement

This ceremony occurs at the end of the Fall and the Spring semesters to honor those students who have successfully completed their degree programs. Only those students who have been verified by the University Registrar may participate in commencement. The fee for graduation is listed in the Additional Fees section of the catalog. For further information on this process, call the Office of the University Registrar at 956.326.2250, email us at graduation@tamiu.edu, or visit tamiu.edu/ commencement/.
**Student Fees**

**Educational Expenses**

**Financial Obligations**

Students are expected to pay all financial obligations to the University by the due date established by the University each semester.

Official registration is not complete until the University Bursar’s Office has received payment or has been notified by the Office of Student Financial Aid that payment arrangements have been made. Failure to pay such obligations may result in the student not being allowed to receive official transcripts, enroll for subsequent semesters and be issued a State Hold (alert) to the Texas Comptroller’s Office. Financial obligations include, but are not limited to:

1. Tuition and fees;
2. Financial aid loans;
3. Returned checks;
4. Returned check charges;
5. Library fines or lost or damaged book charges;
6. Loss or breakage of instructional material or equipment;
7. Housing and Meal Plans;
8. Return of Title IV Funds;

If there is an unpaid balance and satisfactory payment arrangements are not made within 90 days of the end of the semester or term, the University may place any delinquent balance for collection with an outside collection agency. The student will reimburse the University all fees charged by any collection agency, which may be based on a percentage at maximum of 30% of the balance owed, and all fees and expenses, including reasonable attorney’s fees that are incurred by the University in such collection efforts. This will be assessed to the e-bill account and included in the balance due. The University reserves the right to report collection delinquencies to any or all credit bureaus.

The student account is considered by TAMU, an institution of higher learning, to be an educational loan made to the student to assist in the financing of their education and this debt is therefore not dischargeable under the United States Bankruptcy code.

**Exemptions for Ex-Servicemen (Hazlewood Act):** Men and women who have served at least 181 days of active duty service (excluding training) in the Armed Forces; Must have received an honorable discharge or separation or a general discharge under honorable conditions as indicated on the Veteran’s Certificate of Release or Discharge from Active Duty. Service members may be eligible for benefits under the Hazlewood Act if they have no federal Veteran’s education benefits, or have no federal Veterans education benefits dedicated to the payment of tuition and fees only (such as Chapter 33 or 31), and if no student loans are in default. Exemption from fees also extends to dependents of members of the Armed Forces who died as a result of service-related injuries or illness, is missing in action, or became totally disabled (100%) as a result of a service-related injury or illness or is entitled to receive compensation at the 100% rate due to individual unemployability (IU) due to a service connected injury or illness. Exemption of Veteran’s unused hours can be transferred to a biological child, stepchild, adopted child, or claimed as a dependent in the current or previous tax year; who is 25 years old or younger on the first day of the semester or term for which the exemption is claimed.

Application and further information is available in the Office of the University Registrar. Exemption must be invoked by census date to reduce tuition fees for the semester. Information on these rules and regulations is available at the Texas Veterans Commission website at http://www.tvc.texas.gov/Hazlewood-Act.aspx?CFID=64772476&CFTOKEN=79077872

**Senior Citizen Exemption (Up to 6 Hours of Free Tuition per semester):** Senior Citizens, 65 or older, may receive a tuition waiver (it does NOT cover fees charged for the classes) for up to six semester credit hours, per semester, based on availability. Normal admission and registration procedures must be followed and course pre-requisites must be met. To obtain the exemption, inform the Office of the University Registrar in person (ZSC 121) or by email (registrar@tamiu.edu) of your request by the census date for the semester for which you have registered. Effective Fall 2014, Senate Bill 1210 (83rd Texas Legislature, Regular Session) added a grade point average requirement for persons to receive continuation awards through the program. The bill also establishes a limit to the total cumulative number of hours that a student may take and continue to receive awards through this exemption. Students must meet the university’s satisfactory academic progress toward a degree and will not be considered for the exemption if hours are in excess.

**Other Exemptions:** Information on other tuition exemptions granted by the State of Texas may be obtained on the Texas Higher Education Coordinating Board website: http://www.collegeforalltexans.com.

**Explanation of Tuition and Fees**

**Tuition-Resident of Texas:** Undergraduate Resident students pay $50 per semester credit hour. Graduate Resident students pay $77 per semester credit hour.

**Tuition-Non-Resident/International:** Non-resident and International students pay $459 per semester credit hour. Graduate Non-resident and International students pay $486 per semester credit hour.

**Board Authorized Tuition:** Authorized by The Texas A&M University System, Board Authorized Tuition is required of all students to cover University operating expenses including faculty salaries and facilities maintenance. The current Board Authorized Tuition rate is available from the Bursar’s Office.

**Athletics Fee:** This fee is charged at the rate of $23.05 per semester credit hour up to 15 semester credit hours each semester.

**Student Health Fee:** This fee is charged at a rate of $50.65 for the Fall and Spring semester and $25.00 for each of the summer sessions. This fee is to provide for operating, maintaining and equipping Student Health Services and entitles students to use its services. These services do not include surgical operations or charges for consultations with outside providers.

**Recreational Sports Fee:** This fee is charged at a rate of $82.00 for the Fall and Spring semester and $41.00 for each of the summer session to provide programs for students to participate in a variety of competitive,
non-varsity, sports related activities, and the use of the Kinesiology, Wellness, and Recreation Center facilities.

**Student Center Fee**: This fee is charged at the rate of $9.00 per semester credit hour with a $100.00 maximum for the Fall and Spring Semester and a $50.00 maximum for each summer session for Student Center maintenance.

**Student Service Fee**: This fee is charged at the rate of $28.20 per semester credit hour with a $250 maximum. It supports various departments in Student Services, as well as student activities such as SGA and CAB.

**University Services Fee**: The University Services Fee is charged to students at a varying rate per semester credit hour and covers the cost of academic advising, assessments required for accreditation, scholarships, utility expenses, the TAMU OneCard program, ID cards, study abroad programs, library collections, safety operations and initiatives, technology infrastructure, hardware and software, instructional enhancement, and the operational and maintenance costs associated with these services. The current University Service Fee is available from the Bursar's Office.

**Online Program Services Fee**: Charged to students enrolled in online programs, this fee covers operational costs related to offering online programs, including the learning management system and additional instructional support.

**Online Program Services Fee-Non-Resident**: Charged to non-resident and international students enrolled in online programs, this fee covers operational costs related to offering online programs, including the learning management system and additional instructional support.

### Additional Fees

**Auditor's Tuition**: The cost for auditing a course is the same as that required for registration for credit.

**Laboratory Fee (Non-refundable)**: For each laboratory course, a fee of $2.00 to $30.00 is charged depending upon cost of materials used in the course. Non-refundable beginning first University class day, that is, if a student is allowed to drop a laboratory course, the fee for the semester not begun will be refunded.

**Late Payment Fee (Non-refundable)**: Students who fail to pay tuition and fees by the due date will be assessed a late payment fee of $100.

**Orientation Fee (Non-refundable)**: This $150 nonrefundable fee is assessed to all new undergraduate students (Freshmen and Transfer) for orientation.

**Reinstatement Fee/Late Registration Fee**: This fee is charged at a rate of $100 per semester credit hour for students who are reinstated/registered after record date.

**Repeated Course Fee (Non-Refundable)** (Effective Fall 2007): SB1, General Appropriations Act, 79th Legislature, Regular Session, III-251, §49, limits formula funding for a course for which a student would generate formula funding for a third time. Students attempting a course for the third time will be charged an additional fee of $80.00 per semester credit hour. The following are exempt from the additional fee: developmental courses if within the 18-hour limit, hours for special topics and seminar courses which can be repeated, individual music lessons, music performance, ensembles, and studio art.

### Additional Miscellaneous Fees:

- **Application fee, Graduate**, $35.00
- **Application fee, International Graduate**, $50.00
- **Certificate/deficiency plan (non-refundable)**, $25.00
- **Duplicate Diploma fee**, $15.00
- **Emergency Tuition Loan processing**, $30.00
- **Emergency Tuition Loan late fee**, $25.00
- **Emergency Book Loan processing fee**, $30.00
- **Emergency Book Loan late fee**, $25.00
- **Graduation Application fee (all levels)**, $50.00; **late fee**, $100.00
- **International student application fee**, $25.00
- **Installment Plan processing fee**, $30.00
- **Installment Plan late fee**, $25.00
- **Returned check charge**, $30.00
- **Study Abroad Application Fee (non-refundable)**, $200.00
- **Thesis/Dissertation binding fee (per copy)**, $10.00
- **Transcript (Official - per copy but price might vary based on request)**, $7.00

### Refund of Fees

#### Withdrawal from University

A student who officially withdraws from the University may request a refund on tuition and refundable fees according to the following schedule as defined in the State of Texas Education Code:

**Fall or Spring semester or a summer term of 10 weeks or longer**
- 100% prior to the first class day
- 80% during the first five class days
- 70% during the second five class days
- 50% during the third five class days
- 25% during the fourth five class days

**Term or session of more than five weeks but less than 10 weeks**
- 100% prior to the first class day
- 80% during the first, second or third class day
- 50% during the fourth, fifth, or sixth class day
- No refund during the seventh class day or thereafter

**Term or session of five weeks or less**
- 100% prior to the first class day
- 80% during the first class day
- 50% during the second class day
- No refund during the third class day or thereafter

#### Reduced Course Load

Students who reduce their semester credit hour load by officially dropping a course or courses and who remain enrolled in the institution will have applicable tuition and fees refunded according to the following schedule:

**Fall and Spring Semesters**:
- During the first twelve University class days 100%
- After the twelfth University class day **NONE**
Summer Sessions:
During the first four University class days 100%
After the fourth University class day NONE

Additional Refund Provisions
1. Refund of tuition and fees will be processed based on the date of the
   student withdrawal after the student has officially withdrawn through
   the Office of the University Registrar.
2. Fees will not be refunded earlier than two weeks after the date of
   payment indicated on the student’s receipt. Refunds will be sent for
   processing with BankMobile disbursements, a technology solution,
   powered by BMTX, Inc.
3. A student who pays for the current term registration and must withdraw
   due to previous term performance will receive a refund according to the
   schedule.
4. The first class day of each term is always the first official University day
   of classes, not the first day of the individual’s class. A refund is based
   on the day of the drop/withdrawal, regardless of the date the class first
   meets.

Tuition Rebate for Undergraduate Students
The State of Texas is providing financial incentives for students who
complete their undergraduate degree with no more than three hours in
excess of the minimum number of semester credit hours required for
graduation. The rebate for eligible students is a maximum of $1,000.

To be eligible for rebates under this program, students must meet all of
the following conditions:
1. They must have enrolled for the first time in an institution of higher
   education in the Fall of 1997 semester or later;
2. They must have received a baccalaureate degree from a Texas public
   university;
3. They must have been a been a resident of Texas and entitled to pay
   resident tuition at all times while pursuing the degree; and
4. They must have attempted no more than three hours in excess of
   the minimum number of semester hours required to complete the
   degree under the catalog under which they were graduated. Hours
   attempted include transfer credits, course credit earned exclusively
   by examination, courses that are dropped after the official census
   date, and for-credit developmental courses.

Students desiring to qualify for the tuition rebate are responsible
for complying with all university rules and regulations related to the
administration of the program, and are solely responsible for enrolling
only in courses that will qualify them for the rebate. Students who
transfer from another institution, including out-of-state institutions,
shall provide the university with official transcripts from each institution
of higher education attended in order that the total number of hours
attempted may be verified.

The amount of tuition rebate to students under this program is based
on state guidelines. If a student entitled to a rebate has an outstanding
balance owed to the University or to student loans, the University will
apply the amount of the rebate to the balances owed. If the rebate
exceeds the amount of indebtedness, the University will pay the student
the remaining amount.

Application forms and instructions are available in the Office of the
University Registrar, ZSC 121.

Information on Tuition and Fees is available from the Bursar’s Office.

Student Financial Aid
Financial Aid
Financial Aid is made available by a process through which the student,
the student’s family, and Texas A&M International University work
together through federal, state, and local programs to assist in meeting
the student’s financial needs to attend college. To qualify for financial
assistance, a student must be admitted into a degree-granting course
of study, be meeting TAMIU’s Satisfactory Academic Progress Policy
(SAPP), and must not be in default on any student loan. The student must
not owe a balance for Federal Title IV funds returned due to complete
withdrawal from TAMIU or any other institution. All students must apply
for financial aid on an annual basis and must meet the SAPP at all times
whether financial aid was received or not.

SATISFACTORY ACADEMIC PROGRESS POLICY (SAPP)
Before a student receives federal, state and institutional aid, federal
regulations require that the student meet and continue to meet some
basic academic progress standards. The following represents TAMIU’s
satisfactory academic progress policy regarding GPA, PACE towards
degree completion, and Maximum Timeframe Credit requirements. To
read the complete SAPP policy go to: https://www.tamiu.edu/finaid/
SAPP.pdf

**SAPP Components** | **Undergraduate Students** | **Graduate Students**
--- | --- | ---
GPA – Minimum overall TAMIU GPA requirement | TAMIU GPA must be a 2.0 or above at the end of each semester at TAMIU. | TAMIU GPA must be a 3.0 or above at the end of each semester at TAMIU.
PACE – completion rate of all courses attempted (this includes all transfer hours) | Student must pass 67% of overall attempted hours. | Student must pass 50% of overall attempted hours.
Maximum Timeframe – once a student maximizes these hours, he/she is no longer eligible for financial aid. This includes all transfer hours. | 1st bachelor's degree – maximum allowed attempted hours is 180 hours. | 1st master's degree – maximum allowed attempted hours is 75 hours.

APPLYING FOR FINANCIAL AID
To apply for federal financial aid, a student must submit to the U.
S. Department of Education a Free Application for Federal Student
Aid (FAFSA) at www.studentaid.gov. Students who have previously
applied for federal student aid will receive a reminder to do their
application by e-mail. Students under the HB 1403 and/or SB 1528 can
apply for state aid through the Texas Application for State Financial
It is the student’s right to know: The cost of attending the University

It is the student’s responsibility to: Complete all required application forms accurately

The deadlines for submitting applications

Know and comply with all deadlines

The elements of determining financial need and how much need has been met

Know and comply with the refund and repayment policy

The terms of student loans

Maintain a satisfactory level of academic progress

The University’s refund and repayment policy

Notify loan service of any status changes

The University’s satisfactory academic progress policy

Read and understand forms which require a signature

What financial assistance is available

Request additional clarification or reconsideration of any aspect of the aid application or package

Review all information about the University

Submit all requested information in a timely manner

It is the student’s responsibility to obtain the appropriate forms and file them by the required deadlines. Please visit our web site for the most current information on programs and any associated deadlines at http://www.tamiu.edu/finaid/forms.shtml or in office. Applications are available on October 1st. FAFSA School Code: 009651

PRIORITY DEADLINES

In order to receive full consideration for financial assistance and to ensure the determination of eligibility by the beginning of a given application period, a student must submit all required application forms to the office by the deadline dates below:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Priority Deadline to Submit Application</th>
<th>Deadline to Submit All Required Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall or Fall &amp; Spring</td>
<td>January 15</td>
<td>June 30</td>
</tr>
<tr>
<td>Summer</td>
<td>May 1</td>
<td>May 30</td>
</tr>
<tr>
<td>Spring</td>
<td>December 3</td>
<td>December 20</td>
</tr>
</tbody>
</table>

Financial resources of the University should be viewed only as supplementary to the financial resources of the applicant and family. For additional information, filing dates and application forms, contact the Office of Financial Aid. http://www.tamiu.edu/finaid/index.shtml

Non Degree/Non Certification or Transient Students

Federal regulations state that individuals enrolled as a regular student in an eligible program can receive federal Title IV aid and/or state aid. A regular student is one who is enrolled for the purpose of obtaining a degree offered by the institution. Students enrolling at TAMU as non-degree and non-certificate or are here just for the summer as a transient student are not eligible for federal Title IV programs or state financial aid. Private loans can be obtained for these courses but are based on credit worthiness.

GRANTS

The Federal Pell Grant, a Title IV Program, is offered through the FAFSA. Federal Pell Grants are awarded to undergraduate students who have not earned a bachelor’s degree and who demonstrate financial need as determined by the Free Application for Federal Student Aid (FAFSA). Award amounts vary depending on your Expected Family Contribution (EFC) as determined by the FAFSA and how many credit hours you are taking each semester. Recipients must be making Satisfactory Academic Progress to continue receiving the Pell Grant. Students are limited to receive the equivalent of twelve semesters at full-time enrollment in Pell Grant.

The Federal Supplemental Educational Opportunity, a Title IV Program, is offered through the FAFSA. This grant is awarded to Pell-eligible undergraduate students who demonstrate exceptional financial need, those with the lowest Estimated Family Contribution (EFC) have primary consideration, as determined by the Free Application for Federal Student Aid (FAFSA). Funding is limited; therefore, priority awarding is given to students who submit their FAFSA before the January 15th priority deadline. Students must be enrolled a minimum of 6 credit hours each semester to be eligible. Additionally, recipients must be making Satisfactory Academic Progress. This award is subject to federal funding and is not guaranteed each academic year.

The Federal Teacher Education Assistance for College and Higher Education (TEACH) Grant, a Title IV Program, is offered through the FAFSA. This program awards eligible students who plan to teach and complete the TEACH Grant Agreement to Serve requirements. Award may be up to $4,000 per year (pro-rated for less than full-time enrollment). The maximum award allowed during a baccalaureate program is $16,000 and in a graduate program is $8,000. Recipients will be required to teach in a Title I school and a high need field for 4 out of the 8 years immediately following the completion of study or upon ceasing enrollment.

The Toward Excellence, Access, and Success (TEXAS) Grant is offered through the FAFSA or TASFA. This grant is available to Texas resident undergraduate students who have not received a baccalaureate degree, demonstrate financial need and have completed the recommended, distinguished or foundation curriculum from an accredited public or private Texas high school. Funds are limited; therefore, students who apply by the priority deadline of January 15 and meet two out of four components of the State of Texas Priority Model must be given priority. Maximum duration of eligibility of this program is limited to 5 consecutive years, 150 attempted semester credit hours, or graduation, whichever comes first.

The Texas Public Education Grant, and the Texas Resident Assistant Grants & Scholarships, such as the DUSTY Grant, TX Resident Success Grant, TX Resident Summer Grant and Scholarship are institutional grants awarded to undergraduate Texas residents who demonstrate financial need as determined by the Free Application for Federal Student Aid (FAFSA) or Texas Application for State Financial Aid (TASFA). Funding is limited; therefore, priority awarding is given to students who submit their FAFSA before the January 15th priority deadline. Students must be enrolled a minimum of 6 credit hours each semester to be eligible. Additionally, recipients must be making Satisfactory Academic...
Progress. This award is subject to funding and is not guaranteed each academic year.

**SCHOLARSHIPS**

**Freshman Merit-Based Scholarships**

Our freshman scholarships are honorary, four-year, merit-based scholarship awarded to high academic achievers. These scholarships are automatic scholarships awarded to qualified students upon meeting the following scholarship criteria.

To be eligible, students must be first-time freshmen, be admitted to TAMU by December 1st, priority deadline, and earn the SAT or ACT scores outlined below while meeting the high school percentage rank requirement:

<table>
<thead>
<tr>
<th>Scholarship</th>
<th>Award</th>
<th>SAT or ACT Score Requirement</th>
<th>Class Standing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presidential Scholarship</td>
<td>$32,000 total 4 year award</td>
<td>SAT 1360+ or ACT 29+ and Top 25%</td>
<td>Class Standing</td>
</tr>
<tr>
<td>Achievement Scholarship</td>
<td>$28,000 total 4 year award</td>
<td>SAT of 1270+ or ACT 26+ and Top 25%</td>
<td>Class Standing</td>
</tr>
<tr>
<td>Pride Scholarship</td>
<td>$20,000 total 4 year award</td>
<td>SAT of 1170+ or ACT 24+ and Top 25%</td>
<td>Class Standing</td>
</tr>
<tr>
<td>Discovery Scholarship</td>
<td>$16,000 total 4 year award</td>
<td>SAT of 1080+ or ACT 22+ and Top 10%</td>
<td>Class Standing</td>
</tr>
</tbody>
</table>

The table above also demonstrates the award amount the student would earn based on SAT or Redesigned SAT or ACT scores and high school percentage rank.

**Valedictorians – Exemption for Highest Ranking High School Graduate**

Valedictorians from Texas high schools accredited by the Texas Education Agency are entitled to a tuition exemption during their freshmen year at Texas A&M International University. To receive this award, the student must be certified as valedictorian and Texas A&M International University must be the first university of full-time enrollment. No formal application is required. Qualified students must present their official valedictorian declaration to the University Registrar's Office during the beginning of the fall semester.

**Transfer Merit-Based Scholarships**

Our transfer student scholarships are honorary, merit-based scholarships awarded to students transferring to TAMU in the Fall or Spring. These scholarships are automatically awarded to qualified students upon meeting the following scholarship criteria.

To be eligible, students must meet the following scholarship criteria.

<table>
<thead>
<tr>
<th>Scholarship</th>
<th>Award</th>
<th>SAT or ACT Score Requirement</th>
<th>Class Standing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presidential Scholarship</td>
<td>$6,000*</td>
<td>45+ credit hours applicable toward degree and GPA of 3.75</td>
<td></td>
</tr>
<tr>
<td>Achievement Scholarship</td>
<td>$4,000*</td>
<td>45+ credit hours applicable toward degree and GPA of 3.50</td>
<td></td>
</tr>
</tbody>
</table>

*Total amount awarded within a period of four consecutive long semesters. All 45 credit hours must be applicable towards degree.

Note: Students with 90+ semester credit hours are not eligible for the Automatic Transfer Student Merit Scholarships.

**Undergraduate Academic Scholarship for Continuing Students**

TAMIU offers competitive one year scholarship awards for current students through the Office of Financial Aid. Students may apply online at http://www.tamiu.edu/finaid/scholarships.shtml Application opens February 1st and the deadline to apply is May 30th. This program provides awards to students exhibiting outstanding academic achievement. Awards range from $100 to $5,000 and vary in length from 1 – 2 semesters. Some awards are restricted as to course of study or degree objective and may have additional participation requirements to activities and/or internships. These scholarships are not available to students who are awarded an automatic freshman merit scholarship.

**Undergraduate Academic Scholarship for Transfer Students**

TAMIU offers competitive one year scholarship awards for transfer students from the Office of Financial Aid. Students may apply online at http://www.tamiu.edu/finaid/scholarships.shtml Application opens April 1st and the deadline to apply is July 31st. This program provides awards to transferring students exhibiting outstanding academic achievement. Awards range from $100 to $3,000 and vary in length from 1 – 2 semesters. Some awards are restricted as to course of study or degree objective and may have additional participation requirements to activities and/or internships. These scholarships are not available to students who are awarded an automatic transfer student merit scholarship.

**Scholarship Recipients and Non-Resident Tuition Waivers**

A student who is awarded a competitive university scholarship of at least $1,000 for the academic year or summer of which the student is enrolled and who is either a non-resident or an International student is entitled to pay the tuition and fees required of Texas residents without regard to the length of time the student has resided in Texas. This scholarship must be approved by a TAMU scholarship committee officially recognized by the Texas A&M International University Administration, and each waiver must be approved as the competitive slots are limited.

Other institutional scholarships are directly available through the Office of Financial Aid website http://www.tamiu.edu/finaid/scholarships.shtml.

**Scholarship Information for Graduate Students**

Fellowships and scholarships for graduate students are administered by the Office of Graduate Studies, the individual colleges, and the academic departments. All students should contact their college and major department for information. The Lamar Bruni Vergara Educational Fund provides scholarships, assistantships, and GRE/GMAT reimbursements. Visit their website at http://www.tamiu.edu/gradschool/fellowships.shtml.

A listing of External Scholarships and Search Engines are available in our website: http://www.tamiu.edu/finaid/scholar.shtml.
WAIVERS

Educational Aide Exemption Program
The purpose of the Educational Aide Exemption Program is to encourage certain educational aides to complete full teacher certification by providing need-based exemptions from the payment of tuition and certain mandatory fees at Texas public institutions for higher education.

Eligibility Requirements:
• Be a Texas resident;
• Be registered for the Selective Service or be exempt from this requirement;
• Be employed in some capacity by a public school district in Texas during full term for which the student receives the award;
• Submit FAFSA/TASFA by first class day and show financial need;
• Have been employed by a public school district in Texas working full-time in a classroom directly with students in a teaching capacity as an educational aid for at least one school year or a substitute teacher for 180 days of the past five school years preceding the term or semester for which the student is awarded their initial exemption;
• Meet satisfactory academic progress policy (SAPP); and
• Be enrolled in courses required for teacher certification in one or more areas that the Texas Education Agency has determined to be experiencing a critical shortage of teachers at public schools in Texas in accordance with Texas Administrative Code, 21.1083 (6).

The Educational Aide Exemption Application should be submitted to the Office of Financial Aid before the twelfth class day of the semester for which you are applying as this program's funding is limited. Please allow at least two weeks for processing. The deadline to submit the application is the last class day of the semester for which you are applying.

Good Neighbor Program Exemption
The Good Neighbor Exemption Program provides tuition assistance to students from an eligible country(s), of the Western Hemisphere other than Cuba or the United States. Applicants must have been born in and are a current resident of the nation. Applicants must be fully admitted to TAMIU and meet the Satisfactory Academic Progress (SAP) policy requirements. Application will be available from January 1st through March 1st of each year. For more information click here and/or email scholarships@tamiu.edu

Mexican Tuition Waiver Program
The purpose of the Mexican Tuition Waiver Program is to permit a small number of individuals with financial need, who are citizens of Mexico, to enroll in a Texas public university and pay the resident tuition rate. Student eligibility for a waiver must be established prior to enrollment. Students must apply on an annual basis. The last day to submit an application is the first class day of the semester they are applying for. Application is available online: https://www.tamiu.edu/finaid/forms.shtml

Eligibility Requirements:
• Must be a citizen of Mexico and reside in Mexico,
• Must show financial need,
• Must attend an eligible Texas public university and enroll full-time.

STUDENT EMPLOYMENT PROGRAM
The Office of Financial Aid coordinates student part-time employment. Students may visit the online job database for applications, eligibility requirements, and current postings at https://tamiu.joinhandshake.com/login

Student employees are paid at least minimum wage and are paid bi-weekly along with regular university employees. Student employees are not eligible for fringe benefits, paid holidays, retirement, vacation, or sick leave. Federal and state work-study programs provide part-time employment for U.S. citizens, permanent residents, and eligible non-residents, within fund limitations, who have an established financial need and desire campus employment.

To qualify for the Federal/Texas State College Work-Study Programs, a student must have submitted a FAFSA, have financial need, be enrolled or accepted for enrollment, and be making satisfactory academic progress. The Texas College Work-Study program has two additional requirements: student must be a Texas resident and cannot be awarded an athletic scholarship.

The Community Work-Study Service Program allow students who qualify for the Federal/Texas Work-Study Program to work part-time as part of the No Child Left Behind initiative. It is based on the philosophy that children are our nation’s greatest asset. It calls all Americans to support teachers and help ensure that every child can read well by the end of third grade. Eligible and dedicated college students are called to serve as reading and math tutors, as well as mentors and role models in our community.

All work-study students are paid at least minimum wage, work an average of 10 to 19 hours per week and do not receive fringe benefits.

The Office of Financial Aid has the right to discontinue employment if a student employee does not meet and/or maintain the registration and/or grade point average requirements. All student employee job applications are processed through the Office of Financial Aid, for more information call (956) 326-2165 or visit our website at https://www.tamiu.edu/finaid/student_employment.shtml

LOAN PROGRAMS
The William D. Ford Direct Student Loan Program (Federal Subsidized and Unsubsidized Loan Programs), a Title IV Program, is offered through the FAFSA. To qualify a student must: meet satisfactory academic progress, need and/or cost of attendance has not been met through other resources, and enroll for a minimum of 6 hours each semester as an undergraduate student or minimum of 3 hours each semester as a graduate student. Students will be notified of their eligibility for the Direct Loan program(s) through a financial aid offer based on classification. Graduate students qualify for the Direct Unsubsidized Loan program only.

The Federal Parent Plus Loan, a Title IV Program, is offered through the FAFSA. This loan is available to parents of enrolled dependent students. Applications for this loan should be submitted at least twelve weeks before the end of the semester for which the student is enrolled. Parents can apply by signing into the https://www.studentloans.gov/ website. Approval of the loan is based on the borrower’s credit history. The amount of the loan cannot exceed the student’s cost of attendance. Student must
be meeting satisfactory academic progress and enroll for a minimum of 6 hours each semester.

The Federal Graduate Plus Loan (FGPLUS), a Title IV Program, is offered through the FAFSA. This loan is available to graduate students. Applications for the FGPLUS should be submitted at least twelve weeks before the end of the semester for which the student is enrolled. Students can apply by signing into the www.studentloans.gov website. Approval of the loan is based on the borrower’s credit history. The amount of the loan cannot exceed the student’s cost of attendance. Student should apply for the Direct Unsubsidized Loan program before the FGPLUS. Student must be meeting satisfactory academic progress and enroll for a minimum of 6 hours each semester.

The College Access Loan Program, a State program, is offered through the FAFSA or TASFA. This loan is available to Texas resident students who are meeting satisfactory academic progress, whose need and/or cost of attendance has not been met through other resources, and enroll for a minimum of 6 hours each semester as an undergraduate or a minimum of 3 hours each semester as a graduate. Approval of the loan is based on the borrower’s credit history or co-signer’s credit history. Students can apply by signing into the http://www.hhloans.com/ website.

Private Alternative loans are for students who have exhausted all other avenues of financial aid. All financial aid, including loans, cannot exceed a student’s cost of attendance. Approval of the loan is based on the borrower’s credit history. Although not limited to, students can apply by signing into the https://www.elmselect.com/ website.

COLLEGE FOR TEXAS

Types of Financial Aid

Students and their family can choose from many different types of financial aid. Some are based on financial need, and some on academic performance. Others are tied to a student’s or family’s ability to borrow. Not all colleges and universities participate in all programs, but the more you know about financial aid, the better prepared you will be. This resource will provide you with information on different types of financial aid available to students attending Texas colleges and universities. These include:

- Exemptions
- State and Federal Grants and Scholarships
- Private/Corporate Grants and Scholarships
- Loans
- Loan Repayment Programs
- Tax Credits and Other Programs
- Waiver Programs
- Work Study Programs
- $1000 Tuition Rebate Program

Gainful Employment Program

At TAMIU, additional certificate programs are offered, however Title IV assistance is currently NOT approved for such programs by the U. S. Department of Education. In accordance with current guidelines, financial aid can be offered to students in a ‘certificate program’ only if the SCHOOL is awarding the certificate. At TAMIU, the certificate is not awarded by the SCHOOL but rather from the State of Texas; the student completes all required coursework at TAMIU which allows the student to ‘sit’ for certification at the State level, but students NOT certified by the State of Texas will not be allowed to ‘practice/work’ in Texas. Therefore, TAMIU’s ‘certificate programs’ do not fall under the purview of a Gainful Employment program and the student is not eligible to receive financial aid. TAMIU’s current ‘certificate’ programs include:

- Civic Engagement
- English-Spanish Translation
- International Leadership
- International Studies
- Language Certificate in Spanish
- Latin American Studies
- Oil and Gas Accounting
- Petroleum Engineering
- Data Analytics
- Master Reading Teacher
- Non-Profit Leadership and Management
- Educational Diagnostician
- Principal
- Reading Specialist
- School Counselor
- Superintendent
- Master Reading

PURCHASING BOOKS USING FINANCIAL AID

Students who are receiving financial aid can purchase their books and supplies at the University Bookstore by charging them to their student account. Students must have a complete financial aid folder, be registered for classes, and their amount of aid must exceed the total tuition and fee charges for the semester. You will need to present your TAMU ID card to the University Bookstore. Please visit www.tamiubookstore.com for more information.

Bookstore purchases begin on:

- Fall semester: July 25th
- Spring semester: December 1st
- Summer terms: one week prior to first class day

By charging your books and supplies you agree to adhere to the policies of TAMIU's Office of Financial Aid, Bursars Office and Follett Bookstore. These policies include, but are not limited to, refunds, returns, and exchanges.

PAYMENT OF TUITION AND FEES

Financial aid funds are credited to a student’s account balance after the census date of each semester. A student must have all financial aid requirements complete and be enrolled for the current term.

Students are responsible for making timely payment on their account to avoid late fees if their financial aid requirements are not complete or their aid is not enough to cover the entire balance.¹
The following grants will be automatically credited to the current semester* account when students enroll for the required number of hours for which they were awarded and have met all requirements:

- Federal Pell Grant (FPELL)
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Texas Public Educational Grant (TPEG)
- Texas Resident Success Grant (TAMIU Grant)
- DUSTY Texas Resident Grant (TAMIU Grant)
- Towards Excellence, Access, and Success Grant (Texas Grant)
- All Scholarships awarded by TAMIU

Students are responsible for payment of all past due balances at the University.

IMPORTANT NOTE: Since financial aid awards are automatically applied to your account, your courses, or portion thereof, you will NOT be dropped for non-payment. If you change your mind about attending TAMIU, you MUST officially notify the University Registrar’s Office to drop your classes and the Office of Financial Aid to cancel your financial aid awards.

FINANCIAL AID AUTHORIZATIONS, DISBURSEMENT AND REFUNDS

Financial aid will be authorized (credited) into student account after the census date of each semester.

If a student received financial aid in excess of their tuition and fees and other on-campus expenses (such as bookstore purchases, campus housing and meal plan) for a given semester, a disbursement (sometimes referred to as a refund) will be issued by the Bursar’s Office at TAMIU. Disbursements are released on Friday afternoons. Students will receive their disbursement by direct deposit to the account of their choice.

For courses that begin after the regular semester date, disbursements will not be issued until approximately a week after the census date for that course(s).

Pending financial aid will not be disbursed (aid that has not been confirmed). If you have questions regarding pending financial aid please contact the Office of Financial Aid. Under no circumstances will financial aid be released before the designated disbursement date.

Generally a student ceases to be eligible for aid once he/she has finished the term and is no longer enrolled. An otherwise eligible student becomes ineligible to receive FSA funds on the date that the student:

- for a loan made under the Direct Loan program, is no longer enrolled at least half time
- for purposes of the Pell Grant and FSEOG Grant, is no longer enrolled at the school for the award year

However, if certain conditions are met, a student might be considered for a disbursement after the date they became ineligible. These disbursements are called “late disbursements.” The student may submit verification documentation and receive a late disbursement after they cease enrollment if the Department of Education processed a FAFSA with an official EFC while he/she was still enrolled and eligible. In addition, for a Direct Loan program student loan, the loan must be originated prior to the date the student became ineligible.

The student must complete verification no later than 120 days after the last date of enrollment. A school may not make a late disbursement later than 180 days after the date the student becomes ineligible.

WITHDRAWAL FROM ALL COURSES & RETURN OF FEDERAL STUDENT AID

Students receiving federal financial aid who withdraw from or stop attending all courses may be required to return a portion of financial aid received.

Federal regulations [HEA Section 484B, 485(a)(1)(F), 34 CFR 668.22], referred to as the Return of Title IV Funds policy, require TAMIU to calculate a refund and repayment of federal aid received by students who withdraw prior to the 60% point of a term for which he/she has received federal aid. The Title IV (federal) programs under this policy are: Federal Pell Grant, Federal Supplemental Educational Opportunity Grants (FSEOG), Teacher Educational Assistance for College and Higher Education (TEACH) Grant and Federal Direct Loans (Subsidized, Unsubsidized and PLUS). According to the Return of Title IV (R2T4) Funds policy, the student is allowed to retain only the amount of Title IV financial aid that was earned. If a student withdraws or stops participating in classes, a portion of the aid received is considered to be unearned and must be returned to the Title IV programs from which it was received. If the R2T4 calculation results in unearned aid that must be returned, both the school and the student are responsible for returning funds.

Students wishing to completely withdraw from the University must initiate the withdrawal process in the Office of the University Registrar (ZSC 121).

A student who fails all of their classes in a term may be subject to the R2T4 calculation. If a student “earned” at least one of their F’s (i.e. they participated in class until the end of the semester and received an F for poor performance), then no calculation is required. However, if the student failed all classes because they stopped attending at some point in the semester, then a R2T4 calculation is required based on the last documented date of attendance. If a last date of attendance cannot be determined, the 50% point of the term will be used as the withdrawal date, and the unearned aid will be 50%. At the end of the term, the Office of Financial Aid will notify students who have received all F’s of the requirement to perform the R2T4 calculation.

Additional information concerning financial aid can be found at the Federal Student Aid website, studentaid.ed.gov, or at the College of All Texans website, www.collegeforalltexans.com. Undocumented students can use the college guide for undocumented students to find information on: the DREAM Act and DACA, How to find and apply for colleges, and financial aid for undocumented students.

Texas A&M International University and the Office of Financial Aid are committed to conducting business in an ethical manner and with the highest level of integrity. To this end, our office adheres to the Texas A&M University System Ethics Policy 07.01 and Texas Higher Education Fair Lending Practices 07.02 as indicated in our Code of Conduct for Financial Aid Professionals at Texas A&M International University. In addition, as a member of the National Association of Student Financial
Mentors will help students navigate their personal empowerment path by encouraging a growth mindset and fostering a sense of purpose and belonging at TAMU.

**Student Life**

**Counseling and Disability Services**

**Counseling Services**

TAMIU Student Counseling Services (SCS) exists to advance student development and academic success by providing personalized and evidence-based mental health care to our community of students. All of us encounter stressors, problems, and challenging events in our lives and, for the most part, we can find an equitable resolution on our own or with the help of family and friends. And, then there are occasions when we struggle to find a solution to problem(s), or have trouble talking about certain things going on with us to people close to us. This might be the time to reach out and take advantage of our services and do so in a safe, welcoming, confidential, and compassionate environment, an environment that embraces diversity and inclusivity.

Our mission is to provide our students with timely and flexible access to wellness and mental health resources and to empower them to find solutions to their problems, imbue them with resiliency, help them achieve their goals, and feel better. Ours is a commitment to promote and support the whole-person (intellectually, physically, emotionally, psychologically, socially, and spiritually) and improve our student’s well-being.

Our services are short-term and goal-oriented and align with the TAMIU semester calendar. In addition to the myriad of counseling services offered, we also provide faculty consultations and outreach services to promote emotional wellness, prevention, stigma reduction, and psychoeducational programming. Please visit our counseling website (https://www.tamiu.edu/counseling/) for more information about our services, hours of operation, treatment delivery platforms, self-help online therapy assistance options (Therapy Assistance Online [TAO]), etc. We are located in the Student Center, Suite 128. You may also call our office find out more about what SCS has to offer and schedule an appointment at (956) 326-2230.

**Disability Services for Students (DSS)**

Disability Services for Students (DSS) at TAMU is dedicated to facilitating equal and integrated access to educational programs and opportunities so that our disabled students, like the non-disabled student, can meet their academic and personal goals. We, at DSS, aim to promote a university-wide environment and attitudinal atmosphere where disability is seen as a valued aspect of diversity and where equity and inclusivity are the principal forces driving accessibility and academic success. Toward that end, our DSS office coordinates appropriate accommodations for eligible students in accordance with Section 504 of the Rehabilitation Act of 1973 and ADA amendement Act of 2008 so that physical, programmatic, and attitudinal barriers are eliminated university-wide.

Please visit our website https://www.tamiu.edu/disability/index.shtml to explore who is eligible for disability services, how to request accommodations, the types of disability-related services available, what substantial impairment of functioning means, how reasonable and
appropriate accommodations are determined, policy and procedures, and the like. We are located in the Student Center, Suite 118. You may also call our office to find out more about our services as well as to schedule an appointment (956) 326-3086.

Health Services
Student Health Services is staffed with qualified healthcare professionals. The mission of Student Health Services is to enhance the educational processes of students by reducing or eliminating health-related barriers to learning. In addition, Student Health Services is directed at improving wellness, enabling students to make informed decisions about health related concerns, and empowering students to be self-directed consumers of their health care. Some of the services provided are:

- First aid for illness and injury
- Referral to medical facilities or services
- Consultation with Physician by appointment, subject to availability
- Consultation with Family Nurse Practitioner by appointment, subject to availability
- Immunizations; Texas Vaccine for Children (TVFC) provider
- Tuberculosis (TB) screening available Monday, Tuesday and Wednesday, by appointment
- Blood pressure screening and monitoring
- Physical exams for program requirement (CSON, ROTC, Athletics, ISA Study Abroad)
- Sexual health education and birth control
- STI (sexually transmitted illness) screening and testing, by appointment
- Health promotion and disease prevention for individuals and groups
- Condom distribution site
- Free and confidential HIV/Hepatitis C screening and testing, by appointment
- Medication and laboratory prescriptions, as ordered by Physician
- Women’s Health services, by appointment
- Travel health appointments and online training using Travel Health 101 for study abroad programs
- Individual appointments to meet TAMIU Trailblazers requirement
- Online management of Bacterial Meningitis vaccine records using Med+Proctor.
  - Consultation with Family Nurse Practitioner by appointment, subject to availability
  - Referral to medical facilities or services
- Electronic Medical Records

For more information or to make an appointment, please call 956.326.2235 or visit Student Center 125.

Bacterial Meningitis Vaccine Requirements
As of January 1, 2012, Texas law (Senate Bill 1107 and Senate Bill 62) requires that students* entering institutions of higher education either receive a vaccination against bacterial meningitis or meet certain criteria for declining such a vaccination at least 10 days prior to the first day of their first semester. Students who do not comply with the requirement are subject to being dropped from their classes.

The vaccination requirement applies to new students, transfer students and students returning to TAMIU who have experienced a break in their TAMIU enrollment of at least one fall or spring semester. You are exempt from the vaccination requirement only if any of the following apply:

- You are 22 years of age or older as of the first day of the semester
- You are enrolled only in online or other distance education courses
- You are enrolled in a continuing education course or program that is less than 360 contact hours
- You are enrolled in a dual credit course which is taught at a facility not located on the TAMIU campus

Important Considerations:

- The bacterial meningitis vaccination must be administered by a Health Practitioner authorized by law to administer an immunization.
- Vaccinations administered more than 5 years prior to the start of the semester will require a booster.
- International students are strongly encouraged to obtain the bacterial meningitis vaccination before entering the United States. International vaccine records must be submitted in English.
- All vaccine records must be submitted electronically using Med +Proctor.

For more information on bacterial meningitis vaccine requirement visit http://www.tamiu.edu/health/MeningitisVaccineRequirement.shtml.

Confidentiality

All information obtained at the Student Health Services office of Texas A&M International University is strictly confidential as protected by law and professional ethics. Medical records are set apart from all other records at the University and are not released to any other person or agency within or outside the University without the patient’s written consent, except as described by law.

Notification: Because medical services are confidential for students 18 years of age or older, parents are not notified of routine treatment given at TAMIU Student Health Services. In case of emergency requiring a student’s hospitalization, the physician, staff, or student will communicate with parents or guardian.

Alcohol/Drug Education and Prevention

Please refer to the Alcohol and Other Drug Abuse Policy of the Student Handbook for applicable restrictions.

Housing

On-campus residential communities provide students with outstanding living and dining facilities, a staff devoted to student success, and easy access to university resources and services. Campus housing facilities can accommodate 712 students in a residence hall and apartment-style living.

Each student living in the residence halls or apartments is expected to respect individual rights and follow community living standards.

Campus housing facilities can accommodate 464 students in the residence halls and 248 students in apartment-styled facilities. The amenities featured in housing are designed to provide a resort-like atmosphere.

Release from a housing contract is granted only if the student is no longer enrolled with the University. The Terms and Conditions of the
contract should be reviewed with specific details. If a student leaves residence, he/she is still liable for all the room and board charges per the Terms and Conditions of the contract. For answers to additional questions, contact the Office of Housing and Residence Life.

Intercollegiate Athletics

Texas A&M International University is a Division II member of the National Collegiate Athletic Association (NCAA) and the Lone Star Conference. The NCAA is a voluntary organization through which the nation’s colleges and universities govern their athletics programs. The Lone Star Conference is a NCAA Division II conference comprised of the following institutions: Angelo State University, Cameron University, Dallas Baptist University, Eastern New Mexico University, Lubbock Christian University, Midwestern State University, Oklahoma Christian University, St. Edward’s University, St. Mary’s University, Texas A&M International University, Texas A&M-Commerce University, Texas A&M-Kingsville University, Texas Woman’s University, University of Arkansas-Fort Smith, University of Texas Permian Basin, University of Texas at Tyler, West Texas A&M University, Western New Mexico University.

Texas A&M International University currently sponsors the following 11 NCAA Division II programs: Baseball, Men’s Basketball, Women’s Basketball, Men’s Cross Country, Women’s Cross Country, Men’s Golf, Women’s Golf, Softball, Men’s Soccer, Women’s Soccer and Volleyball. TAMIU students with valid ID cards are admitted without charge to all regular season home athletic contests.

International Engagement

The Office of International Engagement provides campus-wide internationalization initiatives advocating for, supporting, and implementing the University’s goals for international education, student mobility and exchange. International Engagement strives to be the hub for all international activities to prepare all students for a global society through a supportive environment anchored on student success, by offering guidance to international students, leading students through study abroad experiences, and the promotion of innovative multi-cultural programs focused on dialogue that encourage the exchange of ideas and opportunities for self-discovery.

International Engagement provides the following services:

• Promote international education through cultural events, study abroad opportunities and student mobility which provide students with experiences that allow for an increased awareness of self and intercultural understanding.
• Develop study abroad opportunities and guide students through the process.
• Assist faculty with program development and courses taught abroad.
• Educate and inform international students and scholars of U.S. immigration regulations pertaining to their student visa.
• Support international students with their transition in academic, social, and cultural adjustment through integration initiatives.
• Guide TAMIU students and student organizations as they relate to university sponsored international travel.
• Aid faculty with the process of hosting international scholars.

• Establish and manage partnerships with educational institutions abroad.
• Serve as a U.S. Passport Acceptance Agency.

More information on International Engagement may be found: http://www.tamiu.edu/international/

Recreational Sports

The 55,000 sq. ft. Rec Center is located on the southeast side of campus. The Rec Center features open recreation areas for indoor sports and exercise as well as scheduled fitness and intramural programming. The department of Rec Sports is committed to providing programs, facilities, and services to enhance the quality of life and educational experiences of our diverse University and local community. The experiences gained through participation with Rec Sports programming are aligned with the University’s core values that include respect, integrity, service and excellence. In addition to our services and programs, the Rec Center also provides our students opportunities to engage in non-recreational activities at our Dusty’s Den game room located in room 130 of the Student Center. For more information, come tour our facility or call (956) 326-2289. We are also available online at www.tamiu.edu/recsports.

Student Conduct and Community Engagement

The Office of Student Conduct and Community Engagement (SCCE) makes every attempt to meet the needs of the University’s globally diverse students through various resources and programs designed to enhance the experience of all students. For this, students can request assistance to learn about their rights and responsibilities, unforeseen financial assistance, crisis intervention support, unforeseen medical leave request, and other special needs the student may encounter. Staff is dedicated to give students the highest quality customer service, and we’re happy to help you when you need it. Contact SCCE (scce@tamiu.edu) at 956.326.2265 or visit Student Center 226.

In addition, all University students must be acquainted with and bound by the University rules and regulations as stated in the Student Handbook which is available on-line at https://www.tamiu.edu/scce/studenthandbook.shtml.

Texas A&M International University reserves the right, through due process, to place on probation, suspend, or expel any student for violation of the student code of conduct.

Student Orientation, Leadership & Engagement

The Office of Student Orientation, Leadership and Engagement (SOLE) fosters dynamic, student-centered co-curricular experiences that challenge, support and empower students to develop critical navigation skills and strengthen their unique Texas A&M International University (TAMIU) experience and success. All programs are geared to provide you with career readiness and marketable skill development such as leadership, teamwork, intercultural fluency, critical thinking, and communication. SOLE, in support of the Division of Student Success and university values, creates an innovative student experience that...
empowers students to become active and engaged citizens and leaders in a global society.

New Student Orientation
Hundreds of students enter the University each year and new student orientation has been developed to address the needs of students, ensuring their successful transition to the Dustdevil community and know available resources. A $150 nonrefundable, one-time fee is assessed to all new undergraduate freshmen and transfer students for this program. Orientation is mandatory for all new undergraduate students, excluding concurrent students and is offered in January of each year and throughout the months of June, July and August. Specific orientation sessions for international students that address their particular needs, in addition to new student orientation activities, are offered throughout the year as well.

Co-Curricular Leadership Programs
SOLE offers various opportunities for students to explore their leadership potential. Co-curricular leadership experiences provide students with a great addition to your resume and prepare students for life after TAMIU. Whether your passion is working in teams, impacting positive change or developing your personal strengths, there is a program for you. Programs include the Freshman Leadership Organization (FLO), Sophomore Leaders Involved in Change (SLIiC), Leadership TAMIU, International Leadership Series, Social Justice Leadership Series, National Society of Leadership and Success, SOLE Summit and TAMIU Trailblazers.

Student Government Association
The representative governing body of all students at TAMIU is Student Government Association (SGA). This elected student member body is directly responsible for representing the interests of the student body to the administration and to the entire University community. The SGA interacts with the administration of the University on issues such as changes to rules and regulations, allocation of some student service fees, and student membership on university committees. It also conducts programs that are of service to the students including voter registration, conferences on student government and student leadership activities.

Campus Activities Board
The Campus Activities Board (CAB) is responsible for bringing entertainment to the entire campus community. Through its programming, CAB engages students with our vibrant campus life while providing members and the student body at large leadership development opportunities. Events include the Welcome Week, Loteria, Halloween Fest, Spirit Week and Pre-Exam Jam. In addition, CAB partners with various University offices to co-host various other events that leave a lasting impact on the community.

Greek Life
Scholarship. Leadership. Service. Connection. Multiculturalism. These are the values of the Greek community at TAMIU. The Greek community at TAMIU amplifies your undergraduate experience by challenging Dustdevils in the areas of service, involvement, academics, sisterhood or brotherhood. These organizations create a sense of belonging and play an integral role in student development and life on the TAMIU campus. In addition to the various sororities and fraternities available to join at the University, the TAMIU Greek Council provides specific support and guidance to our growing Greek life while promoting unity among member organizations.

Student Organizations
TAMIU is home to over 100 recognized student organizations. Academic honor societies, community service organizations, faith based groups, special interest organizations, performance arts organizations, political and advocacy groups and Greek Life all offer opportunities to get involved on campus. SOLE provides support to these organizations as they host annual events, fund raise and advocate for their respective mission and goals. To learn more about how to get involved at TAMIU, visit: trailblazers.tamiu.edu

Student Travel
Student travel that includes both student organization(s) and non-student organization(s) traveling internationally or domestic, must submit electronic paperwork via the Trailblazers webpage: https://trailblazers.tamiu.edu/. Proper documentation will be required to be submitted prior to travel taking place for approval. For more information regarding student travel, please visit: https://www.tamiu.edu/compliance/documents/Rules%20and%20SAPs/13.04.99.11studenttravel.pdf.

For more information, please contact the Office of Student Orientation, Leadership and Engagement at 956.326.2280 or the Office of Environmental Health and Safety at 956.326.2194.
UNDERGRADUATE INFORMATION

Texas A&M International University is an equal opportunity educational institution. In compliance with Title VII of the Civil Rights Act of 1964 and Executive Order 11246, Texas A&M International University is open to all persons regardless of race, color, religion, sex, national origin, age, disability, disabled veteran or veteran of the Vietnam Era who are otherwise eligible for admission as students.

For more information on admission requirements, please refer to Undergraduate and Graduate admissions information section of the catalog.

Admissions

Admission Deadlines

The deadlines below are applicable to the semester of entry:

Undergraduate Applicants

<table>
<thead>
<tr>
<th>U. S. Students' Deadlines:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Semester</td>
<td>July 1st</td>
</tr>
<tr>
<td>Spring Semester</td>
<td>November 1st</td>
</tr>
<tr>
<td>Summer Session I</td>
<td>April 1st</td>
</tr>
<tr>
<td>Summer Session II</td>
<td>May 1st</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International Students' Deadlines:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Semester</td>
<td>June 1st</td>
</tr>
<tr>
<td>Spring Semester</td>
<td>October 1st</td>
</tr>
<tr>
<td>Summer Session I</td>
<td>March 1st</td>
</tr>
<tr>
<td>Summer Session II</td>
<td>April 1st</td>
</tr>
</tbody>
</table>

A first-time freshman or transfer applicant who is planning to enter Texas A&M International University must submit all required documents to:

Office of Admissions
Texas A&M International University
Senator Judith Zaffirini Student Success Center 129
5201 University Boulevard
Laredo, Texas 78041-1900
Phone: 956.326.2200
Fax: 956.326.2199
email: adm@tamiu.edu

A graduate applicant who is planning to enter Texas A&M International University must submit all required documents to:

Graduate School
Texas A&M International University
Senator Judith Zaffirini Student Success Center 223
5201 University Boulevard
Laredo, Texas 78041-1900
Phone: 956.326.3020
Fax: 956.326.3021
email: graduestudies@tamiu.edu

Applications will not be processed for a specific semester after the official University census date: University’s twelfth (12th) class day for the long semesters and the fourth (4th) class day for the summer sessions.

Applicants may apply for admission through the electronic Common Application at: http://www.applytexas.org.

General Policies

All questions on the application for admission must be answered fully. Failure to answer all questions correctly and completely is grounds for rejection of application, withdrawal of any offer of acceptance, cancellation of enrollment, or appropriate disciplinary action. The application for admission requests that an applicant provide a Social Security Number (SSN). However, a Student System Identification number (TAMIU ID) will be assigned to each student and will be used solely for identifying all records concerning that student except in state and federal reporting.

All required official transcript(s) from college/university or high school must be requested from each individual institution attended. Official transcripts must be certified by a school official, have the school seal, and be sent in a sealed envelope by the institution directly to the Office of Admissions or the Graduate School. International students need foreign official transcript(s) to be translated to English. Failure to list on the application form all institutions attended and to submit official transcripts required is grounds for rejection of application, withdrawal of any offer of acceptance, cancellation of enrollment, or appropriate disciplinary action.

All required test scores must be mailed directly from the testing service. SAT, ACT and STAAR/EOC scores may be reported on an official high school transcript. Some test scores are only valid for a certain period of time; for more information, verify guidelines stated on specific test scores in the section for University College.

Incoming freshmen or transfer students pursuing a degree in nursing, music or seeking teacher certification are required to apply for program admission to their desired program. The Office of Admissions only grants admission to the university, and not to a specific program.

Admission Requirements Entering Freshmen

A person having earned a high school diploma, GED, or who is in the process of completing the high school credits within two (2) semesters is considered an entering freshman. To be admitted as an entering freshman, an applicant must meet the submit the following (if required):

1. The application for Undergraduate Admission.
2. Official High School Transcript showing rank in class or Official GED passing scores. Final acceptance will be granted upon submission of official transcript showing the official date of graduation and completion of high school credits. Official transcript must be sent directly from the institution attended.
3. Official college/university transcript(s) from institutions other than Texas A&M International University must be sent directly from each institution attended, if any college credit has been earned while
the applicant is still in high school. A minimum overall grade point average of 2.000 is required.

4. The Scholastic Aptitude Test (SAT) or the American College Testing (ACT) scores.

<table>
<thead>
<tr>
<th>HS Class Rank</th>
<th>SAT Score (Minimum)</th>
<th>ACT Score (Minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top 40%</td>
<td>No minimum but must sub score</td>
<td>No minimum but must submit score</td>
</tr>
<tr>
<td>Lower 60%, GED, Home School, Non-ranking high school</td>
<td>Redesigned SAT Total: 19 980 SAT test date prior to March 2016: 900 (Critical Reading and Math only)</td>
<td></td>
</tr>
<tr>
<td>Provisional</td>
<td>Redesigned SAT Total: 17 920 SAT test date prior to March 2016: 840 (Critical Reading and Math only)</td>
<td></td>
</tr>
</tbody>
</table>

5. One of the following language examination is required of all students having academic studies from a country where English is not the native language:

<table>
<thead>
<tr>
<th>Language Proficiency Requirement</th>
<th>Score</th>
</tr>
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<tbody>
<tr>
<td>Test of English as a Foreign Language (TOEFL)</td>
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<tr>
<td>International English Language Testing System (IELTS)New Row</td>
<td>Minimum score of 5.5</td>
</tr>
<tr>
<td>Pearson English Language Test (PTE Academic)</td>
<td>Minimum score of 47</td>
</tr>
</tbody>
</table>

Test scores must be sent directly from the testing service and dated within two (2) years of enrollment.

**State of Texas Uniform Admission Standards**

Texas Education Code 51.803-51.809 (Uniform Admission Standards), requires that all students meet one of the following college readiness standards to be eligible for consideration for admission at a Texas Four-Year Public Institution.

- Successfully complete the recommended or advanced (distinguished) high school program or complete the portion of the program that was available to them; or
- Successfully complete a curriculum that is equivalent in content and rigor to the recommended or advanced (distinguished) high school program at a high school that is exempt from offering such programs; or
- Satisfy the College Readiness Benchmarks on the SAT or ACT assessment:
  - SAT – 1500 out of 2400
  - ACT – 18 English, 21 Reading, 22 Math and 24 Science

**Student Curriculum Information and Academic Records**

Texas public schools are to provide the curriculum information on the student’s academic record (transcript) no later than the completion of their junior year. Students graduating from private high schools in Texas can be documented by the students’ high school using one of the following forms available at the Texas Higher Education Coordinating Board website:

- Texas Private High School Certification Form 1 (for students who did not complete IPC prior to 2010-2011)
- Texas Private High School Certification Form 2 (for students who completed IPC prior to 2010-2011)
- Texas Private High School Certification Form 3 (for students graduating under the Foundation High School Program in 2014-2015 or later)

**Note:** International students must also complete requirements listed under International Student Admission in this section.

All students must meet Texas Success Initiative (TSI) requirements before enrollment. See Texas Success Initiative in the section entitled University College.

**Transfer Student Admission**

A student entering Texas A&M International University as a transfer freshman (24-29 hours), sophomore (30 to 59 hours), junior (60 to 89 hours), or senior (90 or more hours) level from a college or university is considered a transfer student. Those students who wish to transfer with less than 24 earned semester credit hours must have minimum cumulative of 2.0 on a 4.0 scale and must also satisfy the regular freshman entry requirements. Information regarding lower level course equivalents may be found in Appendix D.

To be admitted as a transfer student, an applicant must submit the following information to the Office of Admissions (Additional requirements for the music program may be found in College of Arts and Sciences - Undergraduate Degrees; for the Teacher Education program in College of Education - Undergraduate Degrees; and for the Nursing program in the College of Nursing and Health Sciences - Undergraduate Degrees:

1. The application for Undergraduate Admission.
2. **Official college/university transcript(s)** from institutions other than Texas A&M International University must be sent directly from each institution attended. A minimum overall grade point average of 2.000 is required. Even though a grade below “C” will be calculated into the grade point average, it may not satisfy degree requirements.
3. One of the following language examination is required of all students having academic studies from a country where English is not the native language:

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Test scores must be sent directly from the testing service and dated within two (2) years of enrollment.
Note: International students must also complete requirements listed under International Student Admission in this section.

All students must meet TSI requirements before enrollment. See Texas Success Initiative in the section entitled Programs for University College.

Transfer Curricula and Resolution of Transfer Disputes for Lower-level Courses:

1. The transfer curricula shall be as prescribed by the current issue of the Texas Higher Education Coordinating Board’s guide to transfer curricula and transfer of credit.
2. The following procedures shall be followed by public institutions of higher education in the resolution of transfer disputes involving lower-level courses:
   • If an institution of higher education does not accept course credit earned by a student at another institution of higher education, that institution shall give written notice to the student and the other institution that the transfer of the course credit is denied.
   • The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Texas Higher Education Coordinating Board rules and/or guidelines.

Special Non-Degree Student (Transient) Admission

A person who is earning university credits which are not applicable to a degree at Texas A&M International University is considered a special non-degree student. It is the policy of this institution to allow any student to enroll in any course for enrichment or other purpose as long as the prerequisites met or exceptions to these requirements are approved.

Students classified under this category are not entitled to claim the prerogative of graduating under the provisions of the catalog in force at the time of initial enrollment. Students may, on their own initiative, request at any time to be reclassified as a regular degree-seeking student. An updated application for admission with a written request for reclassification should be submitted to the Office of Admissions. The student will then become responsible for satisfying the requirements of the catalog in force at the time of the request or any subsequent catalog within the established five-year period of limitation. For additional information call the Office of Admissions at 956.326.2200.

To be admitted as a special non-degree transient student, an applicant must submit the following information to the Office of Admissions:

1. Application for Undergraduate Admission.
2. Official college/university transcript(s). Undergraduate students must submit an official transcript from the last institution attended. A minimum overall grade point average of 2.00 is required.
3. The Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) is required of all students having academic studies from a country where English One of the following language examination is required of all students having academic studies from a country where English is not the native language:

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Test scores must be sent directly from the testing service and dated within two (2) years of enrollment.

All students must meet TSI requirements before enrollment. See Texas Success Initiative in the section for University College.

Academic Probation and Provisional Admission

Freshmen applicants graduating below the top 40% are granted provisional admission for a single semester with a minimum of 920 Redesigned SAT total (840 total on the SAT Critical Reading and Math sections for test taken prior to March 2016) or a minimum of 17 composite on the ACT. The applicant may also petition to have their academic credentials reviewed by the Undergraduate Admissions Committee for a single semester conditional admission. The required documentation, including the Applicant Review form, must be submitted to the Office of Admissions no later than two weeks prior to the start of the semester. The review form may be obtained at the Office of Admissions online. The committee reserves the right to place other requirements as deemed necessary.

Applicants granted admission will be placed on provisional status and allowed to enroll for one semester. During the first semester of enrollment, students must meet the following conditions:

1. Enroll and complete a full-time course load to include the following nine semester credit hours - UNIV 1101, Learning in a Global Context I; English or Math (may be developmental); and a three hour course from the core curriculum,
2. Complete the semester with at least 2.0 grade point average (excluding grades obtained with credit by exams and including developmental courses), and
3. Attend monthly counseling sessions with the Retention Specialist in the Advising and Mentoring Center. The Advising and Mentoring director will review each student’s grades at the end of the semester to determine if full admission will be granted based on University policy.

Students that earn below an institutional cumulative 2.0 GPA (including developmental courses) the first semester will be placed on academic suspension.

Transfer applicants with an overall grade point average below 2.0 from all colleges or universities attended may petition to have their academic credentials reviewed by the Undergraduate Admissions Committee for a single semester conditional admission. The required documentation, including the Applicant Review form, must be submitted to the Office of Admissions no later than two weeks prior to the start of the semester. The review form may be obtained at the Office of Admissions online.
The committee reserves the right to place other requirements as deemed necessary.

Applicants granted admission will be placed on probationary status and allowed to enroll for one semester. Students must earn at least a 2.0 semester grade point average (GPA) by the end of the first semester. Students will be removed from probation when the institutional cumulative GPA is greater than or equal to 2.0. Students that earn below an institutional cumulative 2.0 GPA (including developmental courses) the first semester or combined summer sessions will be placed on academic suspension.

Academic Fresh Start

Senate Bill 1321, passed by the 73rd Texas Legislature, entitles State of Texas residents to seek admission to public institutions of higher education without consideration of courses undertaken ten or more years prior to enrollment. This bill has been called the "Right to an Academic Fresh Start" and it gives students the option of electing to have the coursework taken ten years or more prior to the starting date of the semester in which the applicant seeks to enroll either counted as usual or ignored for admission purposes. Applicants who elect to apply for admission under this law and who are admitted as students may not receive ANY COURSE CREDIT FOR ANY COURSES taken ten-years or more prior to enrollment.

Students with three or more semester credit hours awarded prior to Fall 1989, are exempt from the Texas Success Initiative regardless of election of academic Fresh Start.

The intent of Fresh Start legislation is to provide students with an opportunity to clear their academic records, if they choose to do so, of all college-level work accumulated ten or more years ago. This opportunity is not automatic and must be requested in writing to the Office of the University Registrar.

Enrollment at Texas A&M International and at Another Institution

Any student pursuing a degree at Texas A&M International University may elect to be enrolled at another college or university and transfer the coursework back to A&M International. The Office of the University Registrar should be notified of the concurrent/dual enrollment to monitor compliance of degree progress. Courses listed in the Texas Common Course Numbering Equivalency Chart will transfer in when the student requests an official transcript from the other institution at the completion of the semester.

International Student Admission

A person who is not a citizen or Permanent Resident Alien of the United States, or when having academic studies from a country where English is not the native language, is considered an International Student.

To be admitted as an International Student, an applicant must submit all of the required documentation according to the student's classification. (Refer to the ENTERING FRESHMEN ADMISSION or TRANSFER STUDENT ADMISSION section for this information). All international documents must be translated to English and submitted by the published deadline. Incoming first-time freshmen and transfer students must submit the documentation to the Office of Admissions. In addition, international applicants must submit the following:

1. One of the following language examination is required of all students having academic studies from a country where English is not the native language:

<table>
<thead>
<tr>
<th>Language Proficiency Requirement</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test of English as a Foreign Language (TOEFL)</td>
<td>Minimum score of 69 ibtTOEFL or 523 Paper-based</td>
</tr>
<tr>
<td>International English Language Testing System (IELTS)</td>
<td>Minimum score of 5.5</td>
</tr>
<tr>
<td>Pearson English Language Test (PTE Academic)</td>
<td>Minimum score of 47</td>
</tr>
</tbody>
</table>

Test scores must be sent directly from the testing service and dated within two (2) years of enrollment.

TOEFL Exemptions for undergraduate applicants:

- ACT English score of 20 or higher
- SAT Evidence-Based Reading and Writing score of 520 or higher
- One year of full-time academic studies (does not include developmental or ESL courses) at an accredited U. S. College or University with satisfactory grades
- U. S. High School graduate who completed all high school requirements satisfactorily within 10 years of enrollment
- When English is the official native language of the applicant's country
- Completion of level six with a grade of B or better from the International Language Institute at A&M International University, or from the Texas Intensive English Program (TIEP) affiliated with any of the Texas International Education Consortium (TIEC) member institutions
- Applicants from the following countries do not need to submit a TOEFL score:
  - American Samoa
  - Ireland
  - Australia
  - Jamaica
  - Bahamas
  - Liberia
  - Barbados
  - New Zealand
  - Belize
  - Guyana
  - Canada (except Quebec)
  - Sierra Leone
  - Dominica
  - Trinidad/Tobago
  - Grenada
  - United Kingdom
  - Grand Cayman
  - U.S. Pacific Trust
2. **Financial Requirements**: SEVIS federal regulations 22 CFR 41.61(b)(1)(i) and 9 FAM 402.5-5(G)(4) requires students to demonstrate proof of sufficient funds and a sponsor letter (if applicable) in order to qualify for an I-20 from Texas A&M International University.

   - A completed **Financial Statement Form**. This form requires official certification of sources of funds from the student. If sponsor(s) are unable to sign the financial statement form, a sponsor letter will be accepted.
   - A **Bank Affidavit or bank statement** certifying the sponsor to have sufficient funds indicated on the Financial Statement Form and dated within six months of the first enrollment according to the dates listed below.

<table>
<thead>
<tr>
<th></th>
<th>January 1 or later</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>May 1 or later</td>
</tr>
<tr>
<td>Spring</td>
<td>October 1 or later</td>
</tr>
<tr>
<td>Summer I</td>
<td>November 1 or later</td>
</tr>
<tr>
<td>Summer II</td>
<td></td>
</tr>
</tbody>
</table>

Upon completion of the application process, successful applicants will be issued an I-20. Students with an F-1 Student Visa are required to enroll full-time at Texas A&M International University. International Students are required to report any change in status immediately to the University Foreign Student Advisor located in the International Engagement department. For more information regarding student visa requirements, please contact International Engagement by phone at (956) 326-2282 or by email at international@tamiu.edu.

Immigration documents such as passport, I-94 and I-20 ID or DS-2019 must be carried at all times. This is in compliance with the Immigration and Nationality Act, December 24, 1952, Section 264(e).

3. **Medical Insurance Coverage**: TAMU System Policy 26.99.01 requires that an international student under an F or J visa have health insurance coverage. For additional information regarding the medical insurance coverage requirement and waivers, please contact the Office of International Engagement by phone at (956) 326-2282, by email at international@tamiu.edu, or visit the office located in Student Center room 124.

**Residency For Tuition Purposes**

All students who are U.S. Citizens, Permanent Resident Aliens, or persons permitted by the Government of the United States to domicile in the U.S, and who have established a domicile in Texas, are eligible to pay in-state tuition if they meet all requirements as set forth in the Texas Higher Education Coordinating Board’s official publication, “Rules and Regulations-Residency Status.” This publication may be obtained from the Residency Determining Officer(s) for the University at the Office of Admissions and the Graduate School. Information on these rules and regulations is also available at the THECB website at [http://www.thecb.state.tx.us/](http://www.thecb.state.tx.us/).

**Reclassification For Residency for Tuition Purposes**

Texas Higher Education Coordinating Board’s official publication, “Rules and Regulations-Residency Status” delineates certain instances where certain non-resident students can be allowed pay in-state tuition.

**Other Exemptions**

Other exemptions have been approved by the State Legislature in recent years. Please visit the Texas Higher Education Coordinating Board’s web site at [http://www.thecb.state.tx.us](http://www.thecb.state.tx.us) to find out about specific visas or early eligibility exemptions. For more detailed information on these exemptions or waivers call the Residency Determining Officer(s) at the Office of Admissions at (956)326-2200 or the Graduate School at (956) 326-3020.

**Academic Regulations**

**Definition of A Student**

The term “student” includes all persons who have been offered admission, and/or who are taking courses at the University, either full-time or part-time, pursuing undergraduate, graduate, doctoral, or professional studies, and who are either currently enrolled or was enrolled in the previous semester and registered for a future semester. Persons who withdraw after allegedly violating the Student Conduct Code, or who are not officially enrolled for a particular term but who have a continuing relationship with the University are considered students. In addition, persons who are enrolled with the Intensive Language Institute are also considered “students”, for the purpose of enforcing the student code of conduct.

**Enrollment - General Information**

**Semester Credit Hours**

The semester hour is the unit of credit and is defined as the amount of credit given for one recitation hour a week for one semester. Each recitation hour requires two hours of preparation on the part of the average student. Three hours of carefully planned and supervised laboratory work are equivalent to one hour of lecture or recitation.

**Normal Load**: The normal load for an undergraduate student for a long semester is fifteen (15) hours except during student teaching when a twelve-hour block is a normal load. The normal load for summer school is six (6) semester hours per session.

**Full-Time Student**: A full-time undergraduate student is one who is registered for at least twelve (12) semester hours during a fall or spring semester; to be full-time in a summer session, a student must be registered for six (6) semester hours.

**Transfer Students**: A transfer student may not register for more than the normal load during the first semester at Texas A&M International University. In any succeeding semester, the student may be permitted to register for the normal load plus one additional course, provided the cumulative grade average is 3.0 or better and with the approval of the appropriate Department Chair and Dean.
Maximum Number of Hours: The maximum load for an undergraduate student is eighteen (18) hours a semester. Maximum number of hours in a summer session is six (6). The maximum number of hours in the A. R. Sanchez, Jr. School of Business in a summer session is seven (7). Exceptions to this policy will require a cumulative grade point average of 3.0 and the approval of the appropriate Department Chair and Dean.

Course Information
The term "course" shall be understood to mean a definite unit of work in a subject. The first digit of the course number is the course level. The second digit is the number of semester credit hours (SCH). Example: HIST 3332, Mexico

Advanced Courses: An advanced course is one which is numbered 3000 or 4000 and which requires junior or senior standing and the completion of any prerequisite(s) stated on the course description.

Cross-listed Courses: Students enrolled in a course that is cross-listed with one or more courses may receive credit in only one course.

Repetition of a Course: If a student repeats a course that may not be taken for additional credit, it is the policy of the University to count as part of a student's cumulative grade point average only the last grade received in the course, whether passing or failing, other than a grade of "W" or "WS". However, for purposes of grade point average calculation, grades stand as recorded unless the same course is repeated at this university.

Grading Policies
Grades are recorded at the end of each semester. However, each college might have different grading policies specific to their programs. Numerical values corresponding to these letters are as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100, excellent</td>
</tr>
<tr>
<td>B</td>
<td>80-89, good</td>
</tr>
<tr>
<td>C</td>
<td>70-79, fair</td>
</tr>
<tr>
<td>D</td>
<td>60-69, pass (might not be passing for certain disciplines or courses)</td>
</tr>
<tr>
<td>F</td>
<td>Below 60, failure</td>
</tr>
<tr>
<td>FN</td>
<td>Failure for Non-Attendance</td>
</tr>
<tr>
<td>S/C</td>
<td>Satisfactory/credit/pass</td>
</tr>
<tr>
<td>S/N</td>
<td>Unsatisfactory/Non-credit</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
</tr>
<tr>
<td>W</td>
<td>Dropped or withdrew</td>
</tr>
<tr>
<td>WS</td>
<td>Withdraw (counts towards 6-Drop Policy)</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
</tbody>
</table>

The FN grade indicates that a student has failed a course due to non-attendance. It is calculated as an "F" in the student's grade point average. For students receiving financial aid, failure for non-attendance may require that student to refund all or part of his or her aid to the institution.

CR/NC, Credit/No Credit: Courses taken in residence on credit/no credit basis are not computed in the grade point average. These grades may be used to satisfy degree requirements only for credit by examination and courses so designated in this catalog.

S/U, Satisfactory/Unsatisfactory: Courses taken in residence on satisfactory/unsatisfactory basis are not computed in the grade point average. This grade can be given for only pre-designated courses and may be used to satisfy degree requirements.

IP, In Progress: Given to a student in a thesis course who is passing, but has not completed all required work.

W/WS, Dropped/Withdrawn: Given when a student has officially dropped or withdrawn from the University by the deadline as stated in the official University calendar.

I, Incomplete: Given to a student who is passing but has not completed a term paper, examination, or other required work. Students electing to complete unfinished work in the course must sign an incomplete contract along with the instructor specifying assignments to be completed and the due date. Failure to comply with the stipulations of the contract will result in the "I" being converted to an "F" through an administrative action of the University Registrar. For the student, the grade of "I" may be removed under certain conditions:

- If the student elects to complete the course, he/she may, within the time specified by the instructor, but not exceeding twelve months from the date the "I" was recorded, complete the work in the course and request that the instructor submit a change of grade form to the University Registrar. Extensions of time in cases of merit may be granted, if approved.
- If the student elects not to complete the course within the time specified in the contract, the "I" will be converted to a grade of "F" through an administrative action of the University Registrar.
- A student may not register for a course for which he/she has a current grade of "I". If the student decides to register for the same course, the "I" will be converted to a grade of "F" through an administrative action of the University Registrar.

Change of Grade: After being reported to the Office of the University Registrar, grades other than "I" may not be changed unless a computation error has been made by the instructor.

Grade Points: A student's grade average on university work is expressed in grade points. Each semester hour of "A" counts four points, "B" three points, "C" two points, "D" one point, and "F" zero points. Thus a "C" average, which is the minimum overall average for any bachelor's degree, is expressed as a 2.0 grade point average.

Dean's List: requires a GPA of 3.65 on all work attempted for the semester, with a minimum of fifteen hours completed. Coursework from credit by exam is excluded from this calculation.

Honor Roll: requires a GPA of 3.50 on all work attempted for the semester with a minimum of twelve hours completed. Coursework from credit by exam is excluded from this calculation.

Classification of Students: Students are classified according to the number of credit hours completed.

Freshman  29 or less semester credit hours
Sophomore  30-59 semester credit hours
**Academic Responsibilities**

Students are expected to familiarize themselves thoroughly with the regulations of the University, to accept responsibilities for course requirements for their degrees, and to make inquiries in case of doubt. It shall not be the University’s responsibility should complications arise because of failure to follow regulations and requirements. Regulations will not be waived nor exceptions to requirements made on a plea of ignorance. Students, therefore, should become familiar with all of the information related to their program of study contained in the online University Catalog.

Personal Announcements sent to students through TAMIU’s Blackboard Portal and TAMIU email are the official means of communicating course and University business with students and faculty—not U.S. Mail or other email addresses. Students and faculty must check Blackboard and their TAMIU email accounts regularly, if not daily. Not having seen an important TAMIU email or Blackboard message from a faculty member, chair, dean, or other University administrator is not accepted as an excuse for failure to take an important action. Occasional timely messages from University service providers may also be delivered by email to students. In rare instances, personal student email accounts MAY be used for urgent notifications that may affect the student’s continued enrollment at the University.

Students who change their home address while attending Texas A&M International University are expected to notify the Office of the University Registrar immediately. Changes in local address must also be made with the Office of the University Registrar. Address updates may be made via UCONNECT.

Each student, by registering, enters some college or school of the University and, except as to conduct, is thereafter under its jurisdiction with regard to the student’s program of study and degree requirements. Students should work directly with the person in their major department who is assigned the responsibility of supervising their program concerning course requirements and options, deficiencies, degree plan and special regulations. Requests to waive regulations and/or requirements should be directed in writing to the appropriate Chair and, in consultation with an academic or faculty advisor. Students will be required to present updated degree audits during advising sessions. A student is responsible for making an appointment with the assigned academic or faculty advisor to discuss the degree plan, determining the courses to be taken during the next semester, and completing the registration process. A student is not officially enrolled until all fees have been paid. Additional information can be found here.

**Registration Policies**

**Definitions - Dropping and Withdrawal**

A student is considered to be "dropping" a course or courses if the student remains enrolled in a minimum of one (1) credit hour at the end of the course change process. A student is considered withdrawn from the University if no semester credit hours remain at the completion of the course change process.

**Dropping a Course**

A course may be dropped by completing a drop form with the Office of the University Registrar in person, by email, or by fax. Courses cannot be dropped by phone.

All course drops must be completed by the deadline stated in the University academic calendar published online.

If a student chooses not to attend a class or classes, the student is responsible for officially dropping or withdrawing through the Office of the University Registrar. Students who decide not to attend and do not officially notify the Office of the University Registrar may be responsible for tuition, fees, and any other circumstances resulting from failure to officially drop or withdraw. Students must not assume that they will “automatically” be dropped from their classes if they do not attend or do not pay.
Although the student may not have paid for classes personally, payment may have been posted to the students’ account through some type of financial assistance. It is important that the student officially notify the Office of the University Registrar of his or her intention not to attend. Refer to the Refund of Fees (p. 20) section for refund schedules.

Course Drop Limit Provisions

Students who enroll as entering freshmen or first-time in college students in undergraduate courses offered through an affected institution of higher education for the first time during the Fall 2007 semester or any subsequent semester are subject to the course drop limit of six-course drops including any course a transfer student has dropped at another affected institution.

Institutions Affected: Texas public community colleges, technical institutes/colleges, health science institutions offering undergraduate course work, and universities must comply with the legislation of TEC 51.907.

Students Affected: Students who enroll as entering freshmen or first-time in college students in undergraduate courses offered through an affected institution of higher education for the first time during the Fall 2007 semester or any subsequent semester are subject to the course drop limit restrictions. Transfer students who first enrolled at a Texas public institution during the Fall 2007 semester or subsequent semester are considered first time in college and are affected by the six course drop limit. Students who elect to use the provisions of Academic Fresh Start who have coursework prior to the Fall 2007 semester are grandfathered and are not subject to TEC 51.907. Students who have completed a baccalaureate degree at any recognized public or private institution are not considered affected students whether or not taking additional undergraduate courses.

Course Drop Definition: A course drop, which will be recorded on the transcript, is defined as an affected credit course not completed by an undergraduate student who:

1. if enrolled in the course at the official date of record, and
2. will receive a non-punitive grade of W.

Date of record varies according to the semester/session:

<table>
<thead>
<tr>
<th>Semester/Session</th>
<th>Date of Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall/Spring</td>
<td>12th Class Day</td>
</tr>
<tr>
<td>Summer 5 Week Sessions</td>
<td>4th Class Day</td>
</tr>
<tr>
<td>Sub-Terms 7 Week Sessions</td>
<td>5th Class Day</td>
</tr>
<tr>
<td>Wintermester/Maymester 2 Week Session</td>
<td>1st Class Day</td>
</tr>
<tr>
<td>Wintermester/Maymester 3 Week Session</td>
<td>2nd Class Day</td>
</tr>
</tbody>
</table>

Other Factors Regarding Course Drop Limit: Transfer students who are affected by this legislation shall be required to submit all transfer institution transcripts for processing of the transfer course drops which apply to the limit prior to being allowed to utilize any drops at Texas A&M International University (TAMIU). If the transfer transcript does not indicate any drops toward the limit, TAMIU will set the drop count for that institution at zero.

If a student was granted a drop at TAMIU and the Office of the University Registrar later learns that the drop counter was set incorrectly, the office will update the student’s record to correct the counter. If the student has exceeded the six-course drop limit, the drop will be removed and the faculty member of the associated course will be contacted to issue the appropriate grade.

Withdrawal Definition: A student is considered to have withdrawn from the institution when the student drops all courses during the semester.

Excluded Courses From Limit: Drops from the following types of courses are excluded from the course drop limit.

1. Courses taken by students while enrolled in high school – whether for dual credit, early college credit, or for college credit alone.
2. Courses dropped at private or out-of-state institutions.
3. Remedial or developmental courses, workforce education courses, or other courses that would not generate academic credit could be applied to a degree.
4. Courses taken as required co-requisites such as a lecture class with a required laboratory are counted as one drop whether or not identified as separate courses or as separate sections of a course.
5. Courses that meet the definition of complete withdrawal.

Student Exceptions: Students may petition to drop more than the 6-course limit, or to drop a course and not have the drop count against the 6-course limit. These petitions will be reviewed by the committee.

The following circumstances will be considered:

- A severe illness or other debilitating condition that affects the student’s ability to satisfactorily complete the course.
- The student’s responsibility to provide the care of a sick, injured, or needy person such that providing the care affects the student’s ability to satisfactorily complete the course.
- The death of a person considered to be a member of the student’s family or someone who is otherwise considered to have a sufficiently close relationship to the student.
- The student’s active duty service as a member of the military or of a person considered to be a member of the student’s family or someone who is otherwise considered to have a sufficiently close relationship to the student.
- A change of the student’s work schedule that is beyond the control of the student and affects the student’s ability to satisfactorily complete the course.
- Other good causes as determined by the University on an individual basis.

Please note that documentation must be provided in support of any of the circumstances noted above.

The following circumstances will not be considered valid reasons for requesting an exception to the 6-course drop limit:

- An attempt to avoid scholastic probation.
- Failing a course.
- Possibility of receiving a grade that will lower the grade point average.
Appeal Process:

1. Students will appeal in writing and provide appropriate documentation to support their appeal.
2. The appeal should state the course(s) that should be considered for not counting and the reason(s) why they should not count.
3. Documentation is required for medical/family emergencies.
4. Dropped courses may only be appealed in the term they were dropped.
5. A student may not drop from a course in which a final grade has been assigned.
6. Committee will approve/disapprove based on the information provided.
7. Committee decision(s) are considered final and binding.

Withdrawal from the University

Students wishing to completely withdraw from the University must initiate the withdrawal process in the Office of the University Registrar (ZSC 121). Refer to the Refund of Fees (p. 11) section of the catalog for refund schedules.

Financial Aid Impact of Dropping or Withdrawal

Students receiving federal financial aid who withdraw from or stop attending all courses may be required to return a portion of financial aid received.

Federal regulations [HEA Section 484B, 485(a)(1)(F), 34 CFR 668.22], referred to as the Return of Title IV Funds policy, require TAMU to calculate a refund and repayment of federal aid received by students who withdraw or cease attending prior to the 60% point of a term for which he/she has received federal aid. The Title IV (federal) programs under this policy are: Federal Pell Grant, Federal Supplemental Educational Opportunity Grants (FSEOG), Teacher Educational Assistance for College and Higher Education (TEACH) Grant and Federal Direct Loans (Subsidized, Unsubsidized and PLUS). According to the Return of Title IV (R2T4) Funds policy, the student is allowed to retain only the amount of Title IV financial aid that was earned. If a student withdraws or stops participating in classes, a portion of the aid received is considered to be unearned and must be returned to the Title IV programs from which it was received. If the R2T4 calculation results in unearned aid that must be returned, both the school and the student are responsible for returning funds.

A student who fails all of their classes in a term may be subject to the R2T4 calculation. If a student “earned” at least one of their F’s (i.e. they participated in class until the end of the semester and received an F for poor performance), then no calculation is required. However, if the student failed all classes because they stopped attending at some point in the semester, then an R2T4 calculation is required based on the last documented date of attendance. If a last date of attendance cannot be determined, the 50% point of the term will be used as the withdrawal date, and the unearned aid will be 50%. At the end of the term, the Office of Financial Aid will notify students who have received all F’s of the requirement to perform the R2T4 calculation.

Please refer to Withdrawal FAQs for more information.

Satisfactory Academic Progress Policy (SAPP)

A student’s Satisfactory Academic Progress may be impacted by the withdrawal or dropping of courses. The SAPP consists of three components that students must be meeting at all times in order to continue qualifying for financial aid. Read the complete SAPP to ensure that you will be able to continue receiving financial aid in the future as well as the appeal process. The SAPP can be found at http://www.tamiu.edu/finaid/SAPP.pdf.

Exit Loan Counseling

Recipients of a federal student loan through Texas A&M International University who are dropping below six hours or withdrawing from the university must receive approval from the Office of Financial Aid. In order to receive approval students must do exit loan counseling online at the time of the drop or withdrawal. Exit loan counseling must be done at www.studentaid.gov and confirmation can be emailed to financialaid@tamiu.edu. Failure to do exit counseling on-line will result in a hold being placed on the student’s academic and financial aid records. This will impact the awarding of future financial assistance including loans.

Attendance Policy

It is assumed that a vital part of every student’s education is regular attendance of class meetings. Every faculty member keeps a current attendance record on all students. Any absences tend to lower the quality of a student’s work in a course, and frequent or persistent absences may preclude a passing grade or cause a student to be dropped from one or more courses by the respective faculty with approval of his or her Chair and Dean. Additional information is available in the current Student Handbook.

A student who abandons courses without officially withdrawing will receive a grade of “F” in each course, regardless of when that student ceases to attend classes. (See regulation entitled Refund of Fees (p. 11)).

Continuation of Undergraduate Enrollment

Minimum Grade Point Average for Good Standing

The institutional grade point average accumulated on the permanent record of a student at Texas A&M International University (TAMIU) will be based on course hours and grade points earned by a student on work taken only at this university. Standards for good standing are based on an institutional 2.0 GPA.

The grade point average for a semester is computed by dividing the total grade points earned by the number of semester hours of courses with “A”, “B”, “C”, “D”, “F”, and “FN” grades.

Academic Probation

Students will be placed on Academic Probation at the conclusion of any long semester (Fall or Spring) when their institutional cumulative grade point average at Texas A&M International University falls below 2.0. Such students are encouraged to participate to the fullest in academic support programs and to seek academic advising. Students who have been placed on Academic Probation will be allowed to enroll for one additional semester in an attempt to achieve the required institutional cumulative grade point average of 2.0 or better.
Academic Suspension

Students who have been placed on Academic Probation, and fail to achieve the minimum institutional cumulative grade point average during the next long semester will be placed on Academic Suspension. Students on Academic Suspension will be required to sit out one long semester and may re-enroll after such absence under Academic Probation. Prior to enrolling, the returning student must meet with an academic advisor to develop an academic improvement plan. The advisor will then meet with the student throughout the semester to monitor the student’s progress in meeting established goals and determine appropriate subsequent actions.

The student may appeal the Academic Suspension to the Dean of the College/School, or the Dean’s designate, in which he/she is pursuing a degree by submitting a petition for academic reinstatement and a student self-assessment. If the petition is approved, the student will be permitted to enroll under Continued Suspension. Prior to enrolling, the returning student must meet with the dean to develop an academic improvement plan. The dean or designate will meet with the student throughout the semester to monitor the student’s progress in meeting established goals and determine appropriate subsequent actions.

Removal of Academic Suspension Status by Wintersemester, Maymester or Summer Study

Students placed on Academic Suspension at the end of the fall or spring semesters are eligible to attend the subsequent wintersemester, maymester or summer sessions at TAMIU. If the student achieves an institutional cumulative grade point average of 2.0 or better at the conclusion of the wintersemester, maymester or summer terms, the Academic Suspension status will be removed.

General Requirements for Graduation
Core Curriculum: Mission Statement

At Texas A&M International University, the core curriculum introduces students to academic disciplines which form the foundation of human thought: mathematics, science, history, language, literature, the arts, and social and behavioral sciences. Our core is conceived to open new areas of learning for our students and to foster skills necessary for success in higher education.

As they move through this course of study, students are encouraged, as their knowledge increases, to develop the capacity to articulate and to support a thesis, to think critically, to synthesize their observations, and to perceive analogies and relationships between seemingly diverse ideas and intellectual pursuits.

University Core Curriculum Requirements

In accordance with Texas Education Code, Chapter 61, Subchapter S, core curriculum requirements must be met by every student pursuing a baccalaureate degree at A&M International, regardless of his or her major. A specific course may be used to satisfy only one core requirement. Individual academic programs may require courses contained as options in the university core curriculum to satisfy particular degree requirements. Students may be required to take extra courses if they fail to select these courses.

Students following the 2013-2014 catalog and thereafter will be required to complete all core requirements prior to earning 90 semester credit hours applicable to their chosen degree. A student failing to achieve this milestone will be required to complete any remaining core curriculum requirements in the next semester of enrollment.

Please refer to Appendix A (p. 436) for approved core courses. For specific core requirements, consult the appropriate degree program.

Transfer of the Core Curriculum

A student who successfully completes a 42-semester-credit-hour core curriculum at a state-assisted institution of higher education in Texas may transfer that block of courses to TAMIU. The student will receive academic credit for each of the courses transferred that are part of the core curriculum at the sending institution. A student transferring to TAMIU who has not completed the core curriculum will be required to complete his or her core curriculum as specified by TAMIU.

Please refer to Appendix A (p. 436) for approved core courses. For specific core requirements, consult the appropriate degree program.

College or School Requirements

Students must satisfactorily complete all degree requirements specified by the school or college in which the degree is offered. Individual academic programs may require courses contained as options in the University Core Curriculum to satisfy specific degree requirements. Students may be required to take additional courses if they fail to select these courses.

Foreign Language Requirement

Students seeking an undergraduate degree from Texas A&M International University must demonstrate college-level proficiency in a foreign language. The College of Arts and Sciences has additional language requirements for the BA degree. Proficiency is defined as the equivalent of 6 college-level semester credit hours (SCH) of a foreign language. College-level proficiency may be demonstrated by:

1. completion of three years of high school study of a single foreign language with a minimum grade of 80 (3.0) at the end of the third year; or
2. completion of two years of high school study of a single foreign language and completion of a 2000 level university course in the same language with a “C” or better; or
3. earning a minimum grade of “C” in 6 SCH in a foreign language, or
4. completion of an approved international experience (study abroad) of at least one semester/summer session in length in a country where English is not the primary language, or
5. CLEP or AP exam scores that award 6 SCH in a foreign language, or
6. completion of two courses in a language with a “C” or better from the University’s International Language Institute, or
7. completion of two American Sign Language courses with a “C” or better.

Foreign language course credits may be used to fulfill the second Romance language requirement of the B.A. in Spanish or certain other lower-level general electives in other degrees. In some degree programs, however, the foreign language may count as additional credits above and beyond those required for the degree. International students who have
completed their academic studies in a language other than English will have met the foreign language requirement.

**Other Graduation Requirements**

*Majors and Minors:* A major when specified as a degree requirement shall consist of a minimum of twenty-four (24) or more semester hours in one subject, six (6) of which must be taken at Texas A&M International University. For English degrees, the required freshman courses may not be counted as part of the major.

A minor or concentration, when included as an option among degree requirements, shall consist of eighteen (18) or more hours, six (6) of which must be taken at Texas A&M International University, in a subject selected by the student. For English degrees, the required freshman courses may not be counted as part of the minor. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline except the major field or those offered by the College of Nursing and Health Sciences. Students in a Bachelor of Arts degree program or a Bachelor of Science in Criminal Justice program who do not elect to have a minor curriculum may use up to 9 hours of their available electives in additional courses in their major curriculum.

At least fifty percent of the work taken in the major field must be advanced (3000- or 4000-level) coursework, and at least twelve (12) semester hours of advanced work must be taken in the minor field.

**Grade Average:** An overall average of "C" (2.0) or above on all work attempted must be maintained for a degree, and, in the case of transfer students, a minimum overall grade average of "C" must also be maintained on the work attempted at this University.

The grade average in the major and minor field where required must be "C" (2.0) or above on work taken at this University.

**Second Bachelor's Degree:** No second bachelor’s degree will be conferred until the candidate has earned at least twenty-four (24) additional hours at Texas A&M International University, satisfies any additional requirements, including specific course requirements of the second degree, and meets the required grade point average.

**Residence Requirement:** The applicant for a bachelor’s degree must have been in residence at Texas A&M International University for at least twenty-five (25) percent of the total semester credit hours required for the degree and for a minimum of twenty-four (24) or more semester credit hours of advanced work. The A. R. Sanchez, Jr. School of Business requires that a minimum of 50% of both the business SCH and the major/concentration SCH be completed at Texas A&M International University.

**Advanced Work:** A student must complete a minimum of forty-five (45) semester hours of advanced work (course work numbered 3000-4000) to be eligible to receive a bachelor’s degree.

**Writing Intensive Courses:** Effective Fall 2010, to earn a baccalaureate degree from Texas A&M International University, a student must complete, at TAMIU, three courses beyond freshman English that are identified in the course schedule and on the transcript as “writing intensive” courses. Only one of these courses may be at the 1000- or 2000-level, and at least one must be in the major/concentration in which the student is earning a degree.¹

Enrollment in a 1000- or 2000-level WIN course requires completion of ENGL 1301 and ENGL 1302 or department approval. A minimum grade of ‘C’ is required to earn credit for a WIN course. At least 50% of the WIN course grade must be devoted to the evaluation of written work.

¹ Chairs, with their dean’s endorsement, may approve transfer courses at the 3000-4000 level as meeting up to two of the three required writing intensive courses if the student can provide documentation deemed adequate to justify such a substitution. The requirement that at least one of the writing intensive courses must be taken at TAMIU in the student’s major may not be met by the substitution of a transfer course.

**Graduation under a Particular Catalog:** A student may have the privilege of being graduated according to the curricular requirements as stated in the catalog of the year in which he/she first registered for work in residence at a college/university, or he/she may be graduated under any later catalog of a year in which he/she was registered for residence work, provided that requirements are met within five years of the date of the catalog chosen, and provided further that the institution offers courses listed as requirements in previous catalogs.

**Application for Candidacy for Bachelor’s Degree:** A student intending to have a baccalaureate degree conferred at Texas A&M International University must file an Application for Candidacy with the Office of the University Registrar and pay the graduation fee to the University Business Office by the deadline noted in the academic calendar.

**Graduation In-Absentia:** Students intending to graduate in-absentia should notify the Office of the University Registrar upon application for candidacy.

**Graduation with Honors:** Requirements for graduation with honors include the completion of at least 45 semester credit hours with an institutional minimum grade point average of 3.50 at Texas A&M International University.

The criteria for graduation with honors are:

- **Cum Laude (with honors):** a grade point average of 3.50 or higher but less than 3.70.
- **Magna Cum Laude (with high honors):** a grade point average of 3.70 or higher but less than 3.90.
- **Summa Cum Laude (with highest honors):** a grade point average of 3.90 or higher.

**Degree Conferral and Eligibility for Participation in Graduation Ceremonies:** It is the policy of Texas A&M International University that only students who have completed their degree requirements participate in graduation ceremonies. There are two graduation ceremonies each year. May graduates attend the May ceremony. Students who finish requirements in any of the summer terms receive their diplomas in late August and are invited to attend the following December ceremony along with the December graduates.
Graduate Study for Undergraduate Students
A senior student in the last semester or summer session of undergraduate work may complete a normal load with graduate work as provided below:

- Must be within 15 semester credit hours of graduation.
- Must have a 3.0 cumulative grade point average in upper-division work.
- Must not enroll for more than 15 semester credit hours total and must not enroll for more than 6 semester credit hours of graduate work.
- Cannot count work in graduate courses towards the bachelor’s degree. Graduate courses will be reserved for credit toward the graduate degree when fully accepted into a graduate program. (Not applicable to students pursuing the BA/MA degree.).
- Must have approval from the Department/Division Chair and the Dean of the College in which the work is offered.

Student Rights and Responsibilities
Upon acceptance, students automatically become members of the University community and, as such, assume full responsibility for proper conduct until their separation from the University. All University students should be familiar with the ordinary conventions of adult society governing their behavior.

In addition, all University students must be acquainted with and bound by the University rules and regulations covering the student code of conduct as stated in the Student Handbook which is available online at http://www.tamiu.edu/scce/ or at the Office of Student Conduct and Community Engagement in Student Center 226.

Texas A&M International University reserves the right, through due process, to place on probation, suspend, or expel any student for improper conduct.

Other Procedures and Policies

Death of a Student
When the death of a currently enrolled student is reported, the Office of the University Registrar must be notified immediately. After confirming the death, the Office of the University Registrar takes the following steps:

1. Notifies the President, the Vice President of Student Success, the appropriate faculty and college dean.
2. Sets grades for all current courses to a nonpunitive mark of “W” and updates directory data to block mailings to the deceased.
3. Notifies the Business Office of the effective date of the assignment of the mark.

Official Summons
Answering an Official Summons: Occasionally, it is essential that a student be summoned to one of the administrative or academic offices on the campus. A student who fails to answer an official summons promptly will be subject to suspension from all classes until the particular matter of business has been concluded and the student has been granted permission to return to classes.

Student Emergency Assistance
TAMIU makes every attempt to meet the needs of the University's globally diverse students through various resources and programs designed to enhance the experience of all students. Through the TAMIU’s Office of Student Conduct and Community Engagement (SCCE), students can request assistance to learn about their rights and responsibilities, crisis intervention support, medical leave request, absence notification to faculty, and other special needs the student may encounter. Staff is dedicated to give students the highest quality customer service, and we're happy to help you when you need it. Contact SCCE at 956.326.2265 or visit Student Center 226.

Hazing
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.

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 an 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 education 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 that constitutes hazing.

A. R. Sanchez, Jr., School of Business

Accreditation
The undergraduate programs in the A. R. Sanchez, Jr. School of Business are accredited by AASCSB International - The Association to Advance Collegiate Schools of Business.

VISION
The A. R. Sanchez, Jr. School of Business aspires to be a premier regional international institution that delivers excellence in education in a multicultural setting; high quality research; and engages with business
and governmental leaders to address important regional and global economic issues.

MISSION
The mission of the A. R. Sanchez, Jr. School of Business is to provide accessible superior academic programs and research from a multicultural and international perspective that enables our students to become successful professionals.

CORE VALUES
Value Driven. Inspired by our cultural and organizational values, including integrity, diversity and collegiality.
Academic Excellence. High quality academic and innovative programs, research, teaching, and service.
Leadership. Influencing and engaging with people and organizations to be agents of change and impact in the betterment of others.
Openness. Transparency in all decision-making processes and in all dealings with our stakeholders.
Respect. Acknowledging and valuing the qualities, thoughts, and opinions of others.

General Requirements for Undergraduate Degrees
See Academic Regulations - Undergraduate for TAMIU regulations. Specific academic regulations for the A. R. Sanchez, Jr. School of Business are as follows:

1. Character of Undergraduate Work: A candidate for the degree of Bachelor of Business Administration will be required to complete courses listed under the requirements for the major/concentration of his/her choice. Written and oral communications are important components of each course. A minimum of 50% of both the business SCH and the major/concentration SCH must be taken at TAMIU.

2. Grades Required: To be in good standing, a student must have a satisfactory grade-point average on his/her cumulative record as well as on his/her current semester or term record. For a student with 60 hours or more of work passed at the beginning of a semester or term, the minimum cumulative, or overall, grade point average for good standing is 2.0 (C).

3. S/U (Satisfactory/Unsatisfactory): This grade can be given for only predesignated courses and may be used to satisfy degree requirements (e.g., business internships). For undergraduate students, a grade of “S” indicates achievement of 70 percent or greater for the course requirements. This grading criteria applies only to courses in the A. R. Sanchez, Jr. School of Business.

4. Correspondence Work: In no case will courses taken by correspondence be accepted for undergraduate credit.

5. Workload Regulations: The maximum number of semester credit hours (SCH) that an undergraduate student can take is:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular semester</td>
<td>18 SCH</td>
</tr>
<tr>
<td>Each summer session</td>
<td>7 SCH</td>
</tr>
</tbody>
</table>

Any SCH load in excess of the above must be approved by the Dean of the A.R, Sanchez Jr. School of Business.

6. Independent Study: Independent study courses are limited to students in their final two semesters and may be given under exceptional circumstances. These courses must be approved by the Professor, Division Chair and Dean of the A. R. Sanchez, Jr. School of Business.

7. Advanced Credit/Junior Standing: To obtain advanced credit in Business Administration, a student must have junior standing in Business Administration which is defined as 60 hours of credit which should include six hours each of Introduction to Accounting and Principles of Economics and three hours each of Business Statistics, Professional Written Communications and Fundamentals of Speech.

The following courses make up the Core Curriculum, Communications, Business Foundation and Common Body of Knowledge for all Bachelor of Business Administration (BBA) degrees offered by the A. R. Sanchez, Jr. School of Business. These courses must be taken to complete the Bachelor of Business Administration degree.

Bachelor of Business Administration All Majors and Concentrations

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Curriculum (Freshman &amp; Sophomore)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1324</td>
<td>Business Math I</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1101</td>
<td>Learn a Global Context I</td>
<td>1</td>
</tr>
<tr>
<td>UNIV 1402</td>
<td>Signature Course</td>
<td>4</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1325</td>
<td>Business Math II</td>
<td>3</td>
</tr>
<tr>
<td>Microeconomics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 6 hours of the following:</td>
<td></td>
<td>6</td>
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<tr>
<td>Any 1000-4000 level courses which may include 1SCH in Life and Physical Science Lab. Vocational or VTF classes are excluded.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communications</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA 3301</td>
<td>Professional Written Comm</td>
<td>3</td>
</tr>
<tr>
<td>Business Foundation (Freshman &amp; Sophomore)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>
ACC 2302 Intro to Managerial Accounting 3
DS 2310 Business Statistics I 3

Common Body of Knowledge
BA 3310 Legal Environment of Business 3
BA 3320 International Business 3
ECO 3320 Managerial Economics 3
FIN 3310 Introduction to Finance 3
MGT 3310 Principles of Management 3
MIS 3310 Management Information Systems 3
MKT 3310 Principles of Marketing 3
POM 3310 Production & Operations Mgt 3

Major Curriculum and Business Electives 30

Total Semester Credit Hours 120

Objectives By Area of Study

BBA with Major in Accounting
1. Prepare the student for an entry-level position as a professional accountant. Potential employers of accounting graduates include CPA firms, corporations (and other forms of business), and all levels of government;
2. Examine each of the fields within accounting as part of the student's coursework; these fields include financial accounting, taxation, and accounting information systems; and
3. Provide selected accounting coursework necessary for the Uniform CPA examination. (Note: Additional accounting coursework beyond a bachelor degree will be required to take the CPA examination.)

BBA with a Concentration in International Economics
1. Prepare students for productive careers in industry, government, consulting, and for work in graduate level studies, including banking, investments, and the financial services industries.
2. Develop a working knowledge of economic theories and their applications to business decision making in a global setting; and
3. Provide the analytical and quantitative skills necessary to understand, explain, and anticipate economic phenomena in a rapidly changing global environment.

BBA with a Concentration in Finance
1. Prepare the students for professional careers within the diversified and dynamic global financial environment;
2. Develop a working knowledge of the many technological, commercial and institutional forces that influence organizations operating in the global business environment and financial markets; and
3. Provide the quantitative and analytical skills necessary to be competitive in this rapidly changing global environment.

BBA With a Major in Management Information Systems and Data Analytics
1. Develop knowledge of technological developments in the global business realm;
2. Provide skills to operate and manage computer-based information systems;
3. Impart technological skills in this evolving field for responding to social and economic developments in order to become creative and responsible leaders in business and society.

Degrees

Undergraduate Degrees
- Bachelor of Business Administration with a major in Accounting (BBA-ACC) (p. 45)
- Bachelor of Business Administration with a major in Management Information Systems and Data Analytics (BBA-MIS) (p. 47)

Bachelor of Business Administration with a concentration in:
- Business Administration (BBA-BA) (p. 48)
- International Economics (BBA-ECO) (p. 51)
- Finance (BBA-FIN) (p. 50)
- Management (BBA-MGT) (p. 53)
- Marketing (BBA-MKT) (p. 54)
- Transportation & International Logistics (BBA-TIL) (p. 55)

Bachelor of Applied Arts & Sciences in Business with a concentration in:
- Business Administration (BAAS-BA) (p. 57)
- Management (BAAS-MGT) (p. 58)
- Transportation & International Logistics (BAAS-TIL) (p. 59)

Minors
(For students outside the A. R. Sanchez, Jr. School of Business)
- Minor in Business Administration (p. 60)
- Minor in Management Information Systems and Data Analytics (p. 61)
- Minor in Economics (p. 61)
- Minor in Entrepreneurship (p. 61)
- Minor in Management (p. 61)
- Minor in Marketing (p. 61)

Certificate
- Certificate in Business Leadership (p. 62)
- Certificate in Entrepreneurship (p. 62)
- Certificate in Oil and Gas Accounting (p. 63)
- Certificate in Transportation, International Trade & Logistics (p. 63)

Bachelor of Business Administration

Major in Accounting

Degree Requirements

Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements
for Graduation (p. 36)* section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
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</table>

[University Core Curriculum] (p. 436)

Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation"

#### Math Elective

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MATH 1325</td>
<td>Business Math II</td>
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#### Microeconomics Elective

<table>
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<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
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</tbody>
</table>

#### General Electives

Any 1000-4000 level courses which may include 1 SCH in Life and Physical Science Lab. Vocational or VTF classes are excluded.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</table>

#### Communication

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>BA 3301</td>
<td>Professional Written Comm</td>
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</table>

#### Business Foundation

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DS 2310</td>
<td>Business Statistics I</td>
<td>3</td>
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</table>

#### Common Body of Knowledge

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
<td>3</td>
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<tr>
<td>BA 3320</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>MIS 3310</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3320</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3310</td>
<td>Introduction to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3310</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>POM 3310</td>
<td>Production &amp; Operations Mgt</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 3310</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3320</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3330</td>
<td>Intermediate Accounting III</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3340</td>
<td>Advanced Managerial Accounting</td>
<td>3</td>
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<tr>
<td>ACC 3350</td>
<td>Federal Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3370</td>
<td>Introduction to Accounting Sys</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4370</td>
<td>Auditing and Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Advanced Accounting Elective

Select 3 SCH of any 3000-4000 level ACC elective

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 4390</td>
<td>Business Strategy (must be taken during the final semester prior to graduation)</td>
<td>3</td>
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</table>

#### Business Elective

Select 3 SCH from any 3000-4000 level course offered by the A. R. Sanchez, Jr. School of Business not used above

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 120

---

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate. (p. 36)

#### Freshman

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
</tr>
<tr>
<td>MATH 1324</td>
<td>Business Math I</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
</tr>
<tr>
<td>Creative Arts</td>
<td></td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
</tr>
<tr>
<td>MATH 1325</td>
<td>Business Math II</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
</tr>
<tr>
<td>Life &amp; Physical Science*</td>
<td></td>
</tr>
</tbody>
</table>

*The 1SCH of Life & Phys. Sci. Lab will apply to Gen. Elective

<table>
<thead>
<tr>
<th>Sophomore</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
</tr>
<tr>
<td>DS 2310</td>
<td>Business Statistics I</td>
</tr>
<tr>
<td>ECO 2301</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Junior</th>
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</thead>
<tbody>
<tr>
<td>ACC 3310</td>
<td>Intermediate Accounting I</td>
</tr>
<tr>
<td>ACC 3370</td>
<td>Introduction to Accounting Sys</td>
</tr>
<tr>
<td>BA 3301</td>
<td>Professional Written Comm</td>
</tr>
<tr>
<td>FIN 3310</td>
<td>Introduction to Finance</td>
</tr>
</tbody>
</table>
### Bachelor of Business Administration
#### Major in Management Information Systems and Data Analytics

#### Degree Requirements

**Hours Required**

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td>Math</td>
<td>MATH 1325 Business Math II</td>
<td>3</td>
</tr>
<tr>
<td>Microeconomics Elective</td>
<td>ECO 2302 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td>Any 1000-4000 level courses which may include 1 SCH in Life and Physical Science Lab. Vocational or VTF classes are excluded.</td>
<td>6</td>
</tr>
<tr>
<td>Communication</td>
<td>BA 3301 Professional Written Comm</td>
<td>3</td>
</tr>
<tr>
<td>Business Foundation</td>
<td>ACC 2301 Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Common Body of Knowledge</td>
<td>ACC 2302 Intro to Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DS 2310 Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MIS 3310 Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 3320 Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>FIN 3310 Introduction to Finance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MGT 3310 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MKT 3310 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>POM 3310 Production &amp; Operations Mgt</td>
<td>3</td>
</tr>
<tr>
<td>Major</td>
<td>MIS 2350 Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MIS 3320 Information System Analysis</td>
<td>3</td>
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<tr>
<td></td>
<td>MIS 3330 Database Design Implementation</td>
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<td></td>
<td>MIS 3340 Data Comm. &amp; Networking</td>
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<td></td>
<td>MIS 3360 Business Data Visualization</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MIS 4320 Data Mining and Buss Intel</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MIS 4360 Social Business Analytics</td>
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<td></td>
<td>MIS 4380 Business Decision Modeling</td>
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<tr>
<td></td>
<td>BA 4390 Business Strategy (must be taken during the final semester prior to graduation)</td>
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</tr>
<tr>
<td>Select 3 SCH any advanced MIS elective</td>
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</tr>
<tr>
<td>Total Semester Credit Hours</td>
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<td>120</td>
</tr>
</tbody>
</table>

1. General Elective. Select 6 SCH from any subject at any level. Vocational or VTF classes are excluded.
2. Advanced Accounting Elective, select 3 SCH from any 3000-4000 level ACC courses.

*Actual degree plans may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed.*

---

**Four-Year Degree Plan**

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)
## Bachelor of Business Administration
### Concentration in Business Administration

#### Degree Requirements

**Hours Required**

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td>Math</td>
<td>MATH 1325 Business Math II</td>
<td>3</td>
</tr>
<tr>
<td>Microeconomics Elective</td>
<td>ECO 2302 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td>Any 1000-4000 level courses which may include 1SCH in Life and Physical Science Lab. Vocational or VTF classes are excluded.</td>
<td>6</td>
</tr>
</tbody>
</table>

**Notes**

- Actual degree plans may vary depending on availability of courses in a given semester.
- Some courses may require prerequisites not listed.

---

**Freshman**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1324</td>
<td>Business Math I</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>Creative Arts</td>
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</tr>
<tr>
<td>Life &amp; Physical Science</td>
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<td>Life &amp; Physical Science Lab</td>
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**Spring**

<table>
<thead>
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<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
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<tr>
<td>MATH 1325</td>
<td>Business Math II</td>
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</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science*</td>
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</table>

*The 1SCH of Life & Phys. Sci. Lab will apply to Gen. Elective

**Sophomore**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DS 2310</td>
<td>Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MIS 2350</td>
<td>Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td></td>
<td>3</td>
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</tbody>
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**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
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<tr>
<td>General Elective</td>
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<tr>
<td>General Elective</td>
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</table>

**Junior**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 3301</td>
<td>Professional Written Comm</td>
<td>3</td>
</tr>
<tr>
<td>BA 3320</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>MIS 3310</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>MIS 3320</td>
<td>Information System Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MIS 3340</td>
<td>Data Comm. &amp; Networking</td>
<td>3</td>
</tr>
</tbody>
</table>

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3320</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>MIS 3330</td>
<td>Database Design Implementation</td>
<td>3</td>
</tr>
<tr>
<td>MIS 3360</td>
<td>Business Data Visualization</td>
<td>3</td>
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</table>

**Senior**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3310</td>
<td>Introduction to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MIS 4320</td>
<td>Data Mining and Buss Intel</td>
<td>3</td>
</tr>
<tr>
<td>MIS 4360</td>
<td>Social Business Analytics</td>
<td>3</td>
</tr>
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<td>Advanced MIS Elective</td>
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**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>BA 4390</td>
<td>Business Strategy</td>
<td>3</td>
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<td>MIS 4380</td>
<td>Business Decision Modeling</td>
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<td>MKT 3310</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>POM 3310</td>
<td>Production &amp; Operations Mgt</td>
<td>3</td>
</tr>
</tbody>
</table>

Actual degree plans may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed.
Communication
BA 3301 Professional Written Comm 3

Business Foundation
ACC 2301 Intro to Financial Accounting 3
ACC 2302 Intro to Managerial Accounting 3
DS 2310 Business Statistics I 3

Common Body of Knowledge
BA 3310 Legal Environment of Business 3
BA 3320 International Business 3
MIS 3310 Management Information Systems 3
ECO 3320 Managerial Economics 3
FIN 3310 Introduction to Finance 3
MGT 3310 Principles of Management 3
MKT 3310 Principles of Marketing 3
POM 3310 Production & Operations Mgt 3

Concentration
Select 30 SCH including: 6 SCH of any advanced Accounting; 6 SCH of any advanced Economics; 6 SCH of any advanced Finance; 6 SCH of any advanced Management; 6 SCH of any advanced Marketing or Transportation and Logistics.

Total Semester Credit Hours 120

Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman
Fall
ENGL 1301 English Composition I 3
HIST 1301 The US to 1877 3
MATH 1324 Business Math I 3
UNIV 1201 Learn a Global Context I 2
Creative Arts 3
Life & Physical Science 3
Life & Physical Science Lab 1

Semester Credit Hours 18

Spring
ENGL 1302 English Composition II 3
HIST 1302 The US Since 1877 3
MATH 1325 Business Math II 3
UNIV 1302 Signature Course 3
Life & Physical Science* 3

*The 1 SCH of Life & Phys. Sci. Lab will apply to Gen. Elective

Semester Credit Hours 15

Sophomore
Fall
ACC 2301 Intro to Financial Accounting 3
DS 2310 Business Statistics I 3
ECO 2301 Principles of Microeconomics 3
PSCI 2305 American National Government 3

Language, Philosophy & Culture 3

Semester Credit Hours 15

Spring
ACC 2302 Intro to Managerial Accounting 3
ECO 2302 Principles of Microeconomics 3
PSCI 2306 American State Government 3
General Elective 3
General Elective 3

Semester Credit Hours 15

Junior
Fall
BA 3301 Professional Written Comm 3
BA 3320 International Business 3
ECO 3320 Managerial Economics 3
FIN 3310 Introduction to Finance 3
MGT 3310 Principles of Management 3

Semester Credit Hours 15

Spring
BA 3310 Legal Environment of Business 3
MIS 3310 Management Information Systems 3
MKT 3310 Principles of Marketing 3
ACC - Advanced Elective 3
FIN - Advanced Elective 3

Semester Credit Hours 15

Senior
Fall
POM 3310 Production & Operations Mgt 3
ACC - Advanced Elective 3
FIN - Advanced Elective 3
MKT/TIL - Advanced Elective 3

Semester Credit Hours 15

Spring
BA 4390 Business Strategy 3
ECO - Advanced Elective 3
MGT - Advanced Elective 3
MKT/TIL - Advanced Elective 3

Semester Credit Hours 12

Total Semester Credit Hours 120

1. General Elective. Select 6 SCH from any subject at any level. Vocational or VTF classes are excluded.
Bachelor of Business Administration
Concentration in Finance

Degree Requirements

Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
</tr>
</tbody>
</table>

Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation"

Math
MATH 1325  Business Math II  3

Microeconomics Elective
ECO 2302  Principles of Microeconomics  3

General Electives
Any 1000-4000 level courses which may include 1SCH in Life and Physical Science Lab. Vocational or VTF classes are excluded.

Communication
BA 3301  Professional Written Comm  3

Business Foundation
ACC 2301  Intro to Financial Accounting  3
ACC 2302  Intro to Managerial Accounting  3
DS 2310  Business Statistics I  3

Common Body of Knowledge
BA 3310  Legal Environment of Business  3
BA 3320  International Business  3
MIS 3310  Management Information Systems  3
ECO 3320  Managerial Economics  3
FIN 3310  Introduction to Finance  3
MGT 3310  Principles of Management  3
MKT 3310  Principles of Marketing  3
POM 3310  Production & Operations Mgt  3

Concentration
ACC 3310  Intermediate Accounting I  3
ECO 3310  Money and Banking  3
FIN 3320  Financial Institutions&Markets  3
FIN 3330  Investments  3
FIN 3360  Managerial Finance  3
FIN 4380  International Finance  3

BA 4390  Business Strategy (must be taken during the final semester prior to graduation)  3

Select 6 SCH from the following:
BA 4398  Business Internship
FIN 4335  Portfolio Management
FIN 4345  Derivatives
FIN 4370  Commercial Bank Mgt
FIN 4385  Strategic Financial Mgt

Select 3 SCH from the following:
ACC 3320  Intermediate Accounting II
ECO 4320  Intermediate Microeconomics
ECO 4380  Applied Econometrics

Total Semester Credit Hours  120

Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>3</td>
</tr>
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<td>MATH 1324</td>
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<tr>
<td>UNIV 1201</td>
<td>2</td>
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<table>
<thead>
<tr>
<th>Spring Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1302</td>
<td>3</td>
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<tr>
<td>HIST 1302</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1325</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>3</td>
</tr>
</tbody>
</table>

*The 1SCH of Life & Phys. Sci. Lab will apply to Gen. Elective

Sophomore

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>3</td>
</tr>
<tr>
<td>DS 2310</td>
<td>3</td>
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<td>ECO 2301</td>
<td>3</td>
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<tr>
<td>PSCI 2305</td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Credit Hours  15
Bachelor of Business Administration
Concentration in International Economics

Degree Requirements
Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
<td></td>
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<tr>
<td>Math</td>
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<td>MATH 1325</td>
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<tr>
<td>Microeconomics Elective</td>
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<tr>
<td>ECO 2302</td>
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<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td></td>
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<tr>
<td>Any 1000-4000 level courses which may include 1 SCH in Life and Physical Science Lab. Vocational or VTF classes are excluded.</td>
<td>6</td>
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<tr>
<td>Communication</td>
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<tr>
<td>BA 3301</td>
<td>Professional Written Comm</td>
<td>3</td>
</tr>
<tr>
<td>Business Foundation</td>
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<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DS 2310</td>
<td>Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>Common Body of Knowledge</td>
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</tr>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
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<tr>
<td>BA 3320</td>
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<tr>
<td>BA 3330</td>
<td>Managerial Economics</td>
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</tr>
<tr>
<td>FIN 3300</td>
<td>Investments</td>
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<td>FIN 4380</td>
<td>International Finance</td>
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<td>FIN - Restricted Elective 2</td>
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<tr>
<td>BA 4390</td>
<td>Business Strategy</td>
<td>3</td>
</tr>
<tr>
<td>FIN - Restricted Elective 2</td>
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<td></td>
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<tr>
<td>FIN - Restricted Elective 2</td>
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<td></td>
</tr>
<tr>
<td>POM 3310</td>
<td>Production &amp; Operations Mgt</td>
<td>3</td>
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<tr>
<td>Total Semester Credit Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
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</tr>
</tbody>
</table>

1 Select 6 SCH from any subject at any level. Vocational or VTF classes are excluded.
2 FIN - Restricted Elective, select 6 SCH from BA 4398, FIN 4335, FIN 4345, FIN 4370, FIN 4385, and 3 SCH selected from ACC 3320, ECO 4320, ECO 4380.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.
Select 9 SCH from the following:

- BA 4398  Business Internship
- ECO 3325  Latin American Economics Iss
- ECO 4360  Public Finance
- ECO 4199 - ECO 4399  Financial Institutions & Markets
- FIN 3330  Investments & Portfolio Mgt
- FIN 4380  International Finance

Business Electives
Select 3 SCH from any 3000-4000 level course offered by the A. R. Sanchez, Jr. School of Business not previously used

Total Semester Credit Hours 120

Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1324</td>
<td>Business Math I</td>
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<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
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<tr>
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<td>Life &amp; Physical Science Lab</td>
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Total Semester Credit Hours 18

Spring

<table>
<thead>
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<tbody>
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<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1325</td>
<td>Business Math II</td>
<td>3</td>
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<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
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<tr>
<td>Life &amp; Physical Science*</td>
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<td>3</td>
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*The 1 SCH of Life & Phys. Sci. Lab will apply to Gen. Elective

Total Semester Credit Hours 15

Sophomore

Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DS 2310</td>
<td>Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>Language, Philosophy &amp; Culture</td>
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Total Semester Credit Hours 15

Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
<td>3</td>
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</table>

Total Semester Credit Hours 12

Junior

Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ECO 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
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<tr>
<td>General Elective</td>
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<td>General Elective</td>
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Semester Credit Hours 15

Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BA 3301</td>
<td>Professional Written Comm</td>
<td>3</td>
</tr>
<tr>
<td>BA 3320</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4310</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4340</td>
<td>International Economics</td>
<td>3</td>
</tr>
<tr>
<td>MIS 3310</td>
<td>Management Information Systems</td>
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</table>

Semester Credit Hours 15

Senior

Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ECO 4380</td>
<td>Applied Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>POM 3310</td>
<td>Production &amp; Operations Mgt</td>
<td>3</td>
</tr>
<tr>
<td>ECO - Restricted Elective</td>
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<td>ECO - Restricted Elective</td>
<td></td>
<td>3</td>
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<tr>
<td>Advanced Business Elective</td>
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Semester Credit Hours 15

Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 4390</td>
<td>Business Strategy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3310</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4320</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO - Restricted Elective</td>
<td></td>
<td>3</td>
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</tbody>
</table>

Semester Credit Hours 12

Total Semester Credit Hours 120

1 General Elective, select 6 SCH from any subject at any level. Vocational or VTF classes are excluded.
2 Select from BA 4398, ECO 3325, ECO 4360, ECO 4399, FIN 3320, FIN 3330, or FIN 4380.

Actual degree plans may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed.
Bachelor of Business Administration  
Concentration in Management

Degree Requirements  
Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td>Math</td>
<td>MATH 1325 Business Math II</td>
<td>3</td>
</tr>
<tr>
<td>Microeconomics Elective</td>
<td>ECO 2302 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td>Any 1000-4000 level courses which may include 1 SCH in Life and Physical Science Lab. Vocational or VTF classes are excluded.</td>
<td>6</td>
</tr>
<tr>
<td>Communication</td>
<td>BA 3301 Professional Written Comm</td>
<td>3</td>
</tr>
<tr>
<td>Business Foundation</td>
<td>ACC 2301 Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACC 2302 Intro to Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DS 2310 Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>Common Body of Knowledge</td>
<td>BA 3310 Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BA 3320 International Business</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MIS 3310 Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 3320 Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>FIN 3310 Introduction to Finance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MGT 3310 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MKT 3310 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>POM 3310 Production &amp; Operations Mgt</td>
<td>3</td>
</tr>
<tr>
<td>Concentration</td>
<td>BA 4390 Business Strategy (must be taken during final semester prior to graduation)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MGT 3320 Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
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<td>MGT 3340 Business Ethics</td>
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<tr>
<td></td>
<td>MGT 3370 Human Resources Management</td>
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<tr>
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<td>MGT 4340 Leadership Theory and Practice</td>
<td>3</td>
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<td></td>
<td>MGT 4350 Business, Govt&amp;Society</td>
<td>3</td>
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<td></td>
<td>MGT 4360 Entrepreneurship&amp;Mgt of Innov</td>
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<td></td>
<td>MGT 4380 Organizational Theory</td>
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<tr>
<td>Business Elective</td>
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<tr>
<td></td>
<td>Select 6 SCH from any 3000-4000 level course offered by the A. R. Sanchez, Jr. School of Business not previously used</td>
<td>6</td>
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<tr>
<td>Total Semester Credit Hours</td>
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<td>120</td>
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</table>

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>ENGL 1301 English Composition I</td>
</tr>
<tr>
<td>HIST 1301 The US to 1877</td>
</tr>
<tr>
<td>MATH 1324 Business Math I</td>
</tr>
<tr>
<td>UNIV 1201 Learn a Global Context I</td>
</tr>
<tr>
<td>Creative Arts</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
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<tr>
<td>Life &amp; Physical Science Lab</td>
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<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Spring</td>
</tr>
<tr>
<td>ENGL 1302 English Composition II</td>
</tr>
<tr>
<td>HIST 1302 The US Since 1877</td>
</tr>
<tr>
<td>MATH 1325 Business Math II</td>
</tr>
<tr>
<td>UNIV 1302 Signature Course</td>
</tr>
<tr>
<td>Life &amp; Physical Science*</td>
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</table>

*The 1SCH of Life & Phys. Sci. Lab will apply to Gen. Elective

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Sophomore</td>
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<tr>
<td>Fall</td>
</tr>
<tr>
<td>ACC 2301 Intro to Financial Accounting</td>
</tr>
<tr>
<td>DS 2310 Business Statistics I</td>
</tr>
<tr>
<td>ECO 2301 Principles of Macroeconomics</td>
</tr>
<tr>
<td>PSCI 2305 American National Government</td>
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<tr>
<td>Language, Philosophy &amp; Culture</td>
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<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Spring</td>
</tr>
<tr>
<td>ACC 2302 Intro to Managerial Accounting</td>
</tr>
<tr>
<td>ECO 2302 Principles of Microeconomics</td>
</tr>
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<td>PSCI 2306 American State Government</td>
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<table>
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<tr>
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</tr>
<tr>
<td>Fall</td>
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<tr>
<td>BA 3301 Professional Written Comm</td>
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</table>
BA 3310  Legal Environment of Business  3
ECO 3320  Managerial Economics  3
MGT 3310  Principles of Management  3
MKT 3310  Principles of Marketing  3

Semester Credit Hours  15

Spring
BA 3320  International Business  3
FIN 3310  Introduction to Finance  3
MGT 3340  Business Ethics  3
MIS 3310  Management Information Systems  3
POM 3310  Production & Operations Mgt  3

Semester Credit Hours  15

Senior
Fall
MGT 3320  Organizational Behavior  3
MGT 3370  Human Resources Management  3
MGT 4350  Business, Govt&Society  3
MGT 4380  Organizational Theory  3

Semester Credit Hours  15

Spring
BA 4390  Business Strategy  3
MGT 4340  Leadership Theory and Practice  3
MGT 4360  Entrepreneurship&Mgt of Innov  3

Semester Credit Hours  12

Total Semester Credit Hours  120

1. General Elective, select 6 SCH from any subject at any level. Vocational or VTF classes are excluded.

Actual degree plans may vary depending on availability of courses in a given semester.
Some courses may require prerequisites not listed.

Bachelor of Business Administration
Concentration in Marketing

Degree Requirements
Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
<td>42</td>
</tr>
<tr>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
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</tr>
<tr>
<td>Math</td>
<td>MATH 1325  Business Math II</td>
<td>3</td>
</tr>
<tr>
<td>Microeconomics Elective</td>
<td>ECO 2302  Principles of Microeconomics</td>
<td>3</td>
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<tr>
<td>General Electives</td>
<td>Any 1000-4000 level courses which may include 1 SCH in Life and Physical Science Lab. Vocational or VTF classes are excluded.</td>
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</tr>
<tr>
<td>Communication</td>
<td>BA 3301  Professional Written Comm</td>
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</tr>
<tr>
<td>Business Foundation</td>
<td>ACC 2301  Intro to Financial Accounting</td>
<td>3</td>
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<tr>
<td>ACC 2302  Intro to Managerial Accounting</td>
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<td>3</td>
</tr>
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<td>DS 2310  Business Statistics I</td>
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<td>Common Body of Knowledge</td>
<td>BA 3310  Legal Environment of Business</td>
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<tr>
<td>BA 3320  International Business</td>
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</tr>
<tr>
<td>MIS 3310  Management Information Systems</td>
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<td>ECO 3320  Managerial Economics</td>
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<td>FIN 3310  Introduction to Finance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGT 3310  Principles of Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MKT 3310  Principles of Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>POM 3310  Production &amp; Operations Mgt</td>
<td>3</td>
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<tr>
<td>Concentration</td>
<td>BA 4390  Business Strategy (must be taken during final semester prior to graduation)</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3320  Buyer Behavior</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MKT 3330  Advertising &amp; Promotion Mgt</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MKT 4310  International Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MKT 4320  Marketing Research</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MKT 4330  Marketing Management</td>
<td>3</td>
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<td>TIL 3340  Business Logistics Management</td>
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<tr>
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<td>Total Semester Credit Hours</td>
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<td>120</td>
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</table>

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)
### Bachelor of Business Administration
### Concentration in Transportation & International Logistics

**Degree Requirements**

**HOURS REQUIRED**

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 3320</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3320</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3310</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3310</td>
<td>Introduction to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
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<tr>
<td>MIS 3310</td>
<td>Management Information Systems</td>
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<tr>
<td>MKT 3330</td>
<td>Advertising &amp; Promotion Mgt</td>
<td>3</td>
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### Senior

#### Fall

- MKT 3320: Buyer Behavior
- MKT 4320: Marketing Research
- Til 3340: Business Logistics Management
- Advanced Business Elective
- Advanced Business Elective

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>POM 3310</td>
<td>Production &amp; Operations Mgt</td>
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</table>

### Spring

- BA 4390: Business Strategy
- MKT 4310: International Marketing
- MKT 4330: Marketing Management
- Advanced Business Elective

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BA 3301</td>
<td>Professional Written Comm</td>
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Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.
Business Foundation

<table>
<thead>
<tr>
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<th>SCH</th>
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<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
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<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
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<tr>
<td>DS 2310</td>
<td>Business Statistics I</td>
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Common Body of Knowledge

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
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<tr>
<td>BA 3320</td>
<td>International Business</td>
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<tr>
<td>MIS 3310</td>
<td>Management Information Systems</td>
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<tr>
<td>ECO 3320</td>
<td>Managerial Economics</td>
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<td>FIN 3310</td>
<td>Introduction to Finance</td>
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<td>MGT 3310</td>
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<td>MKT 3310</td>
<td>Principles of Marketing</td>
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<tr>
<td>POM 3310</td>
<td>Production &amp; Operations Mgt</td>
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Concentration

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<tbody>
<tr>
<td>BA 3315</td>
<td>Intro Int'l Commercial Law</td>
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<tr>
<td>BA 4390</td>
<td>Business Strategy (must be taken during final semester prior to graduation)</td>
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<tr>
<td>TIL 3310</td>
<td>Principles of Transportation</td>
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<tr>
<td>TIL 3311</td>
<td>Export/Import Operations&amp;Pra</td>
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<td>TIL 3340</td>
<td>Business Logistics Management</td>
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<tr>
<td>TIL 3350</td>
<td>Global Business Logistics</td>
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<tr>
<td>TIL 3360</td>
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Business Elective

Select 9 SCH from any 3000-4000 level course offered by the A. R. Sanchez, Jr. School of Business not previously used

Total Semester Credit Hours 120

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>SCH</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1324</td>
<td>Business Math I</td>
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<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
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<tr>
<td>Life &amp; Physical Science Lab</td>
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Semester Credit Hours 18

Spring

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<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1325</td>
<td>Business Math II</td>
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Senior

Fall

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<th>Course</th>
<th>Title</th>
<th>SCH</th>
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<tr>
<td>ECO 3320</td>
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<tr>
<td>TIL 3311</td>
<td>Export/Import Operations&amp;Pra</td>
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<td>TIL 3340</td>
<td>Business Logistics Management</td>
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<tr>
<td>Advanced Business Elective</td>
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<td>Advanced Business Elective</td>
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Semester Credit Hours 15

Spring

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<th>Title</th>
<th>SCH</th>
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<tr>
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<td>POM 3310</td>
<td>Production &amp; Operations Mgt</td>
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<tr>
<td>TIL 3360</td>
<td>Supply Chain Security &amp; Comp</td>
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<td>Advanced Business Elective</td>
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Semester Credit Hours 12

Total Semester Credit Hours 120
1. General Elective, select 6 SCH from any subject at any level. Vocational or VTF classes are excluded.

Actual degree plans may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed.

Bachelor of Applied Arts & Sciences in Business with a Concentration in Business Administration

Degree Requirements

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
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<tr>
<td><strong>Math</strong></td>
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<tr>
<td>MATH 1325</td>
<td>Business Math II</td>
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<tr>
<td><strong>Microeconomics Elective</strong></td>
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</tr>
<tr>
<td>ECO 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Communication</strong></td>
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<td>BA 3301</td>
<td>Professional Written Comm</td>
<td>3</td>
</tr>
<tr>
<td><strong>Business Foundation</strong></td>
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<td></td>
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<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
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</tr>
<tr>
<td><strong>Vocational Technical Field-VTF</strong></td>
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<td>Select 21 SCH from Business related vocational programs only</td>
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<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
<td>3</td>
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<tr>
<td>BA 3320</td>
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<tr>
<td>BA 4390</td>
<td>Business Strategy</td>
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<tr>
<td>ECO 3320</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3310</td>
<td>Introduction to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
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</tr>
<tr>
<td>MIS 3310</td>
<td>Management Information Systems</td>
<td>3</td>
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<td>MKT 3310</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>TIL 3310</td>
<td>Principles of Transportation</td>
<td>3</td>
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<tr>
<td><strong>Advanced Business Elective</strong></td>
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</tr>
<tr>
<td>Select 9 SCH from any 3000-4000 level course offered by the A.R. Sanchez, Jr. School of Business not previously used</td>
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<tr>
<td><strong>Advanced General Electives</strong></td>
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</tbody>
</table>

Select 6 SCH from any 3000-4000 level course. 6

Total Semester Credit Hours 120

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
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</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1324</td>
<td>Business Math I</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>Creative Arts</td>
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<tr>
<td>Life &amp; Physical Science</td>
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</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
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<td>1</td>
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Semester Credit Hours 18

Spring

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1302</td>
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<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
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</tr>
<tr>
<td>MATH 1325</td>
<td>Business Math II</td>
<td>3</td>
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<td>UNIV 1302</td>
<td>Signature Course</td>
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<td>Life &amp; Physical Science</td>
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Semester Credit Hours 15

Sophomore

<table>
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<tr>
<th>Semester</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
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<td>3</td>
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<tr>
<td>VTF - Vocational Technical Field (business related)</td>
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<tr>
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Semester Credit Hours 18

Spring

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
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<td>ECO 2302</td>
<td>Principles of Microeconomics</td>
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Semester Credit Hours 18

Junior

<table>
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<tr>
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<th>Fall</th>
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</tr>
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<tbody>
<tr>
<td>BA 3301</td>
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<tr>
<td>FIN 3310</td>
<td>Introduction to Finance</td>
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Semester Credit Hours 9

Texas A&M International University 2021-2022 Catalog
Bachelor of Applied Arts & Sciences in Business with a Concentration in Management

Degree Requirements

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
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</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
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</table>

Math

MATH 1325  Business Math II  3

Microeconomics Elective

ECO 2302  Principles of Microeconomics  3

Communication

BA 3301  Professional Written Comm  3

Business Foundation

ACC 2301  Intro to Financial Accounting  3
ACC 2302  Intro to Managerial Accounting  3

Vocational Technical Field-VTF

Select 21 SCH from Business related vocational programs only  21

Concentration

BA 3310  Legal Environment of Business  3
BA 4390  Business Strategy  3
MGT 3310  Principles of Management  3
MGT 3320  Organizational Behavior  3
MGT 3340  Business Ethics  3
MGT 3370  Human Resources Management  3
MGT 4340  Leadership Theory and Practice  3
MGT 4350  Business, Govt&Society  3
MGT 4360  Entrepreneurship&Mgt of Innov  3
MGT 4380  Organizational Theory  3

Advanced Business Elective

Select 6 SCH from any 3000-4000 level course offered by the A.R. Sanchez, Jr. School of Business not previously used  6

Advanced General Electives

Select 6 SCH from any 3000-4000 level course.  6

Total Semester Credit Hours  120

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall  

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
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<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
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Spring  

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<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
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</table>
Bachelor of Applied Arts & Sciences in Business with a Concentration in Transportation & International Logistics

Degree Requirements

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
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<td>[University Core Curriculum] (p. 436)</td>
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<td>Business Math II</td>
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<tr>
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<tr>
<td>ECO 2301</td>
<td>Principles of Macroeconomics</td>
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<td>Language, Philosophy &amp; Culture</td>
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<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
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<td>VTF- Vocational Technical Field (business related)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Semantic Credit Hours</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td><strong>Spring</strong></td>
<td></td>
</tr>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3320</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3340</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Advanced General Elective</td>
<td>3</td>
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<tr>
<td></td>
<td>Semantic Credit Hours</td>
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<tr>
<td></td>
<td><strong>Senior</strong></td>
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</tr>
<tr>
<td>MGT 3370</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4350</td>
<td>Business, Govt&amp;Society</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4380</td>
<td>Organizational Theory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Advanced Business Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Semantic Credit Hours</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td><strong>Spring</strong></td>
<td></td>
</tr>
<tr>
<td>BA 4390</td>
<td>Business Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4340</td>
<td>Leadership Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4360</td>
<td>Entrepreneurship&amp;Mgt of Innov</td>
<td>3</td>
</tr>
</tbody>
</table>

Advanced Business Elective 3

Total Semester Credit Hours 120

¹ Lab section or co-requisite might be required.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.
TIL 3350  Global Business Logistics 3
TIL 3360  Supply Chain Security & Comp 3

**Advanced Business Elective**
Select 6 SCH from any 3000-4000 level course offered by the A.R. Sanchez, Jr. School of Business not previously used 6

**Advanced General Electives**
Select 6 SCH from any 3000-4000 level course. 6

**Total Semester Credit Hours** 120

---

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

#### Freshman

**Fall**
- ENGL 1301  English Composition I 3
- HIST 1301  The US to 1877 3
- MATH 1324  Business Math I 3
- UNIV 1201  Learn a Global Context I 2
- Creative Arts 3
- Life & Physical Science 3
- Life & Physical Science Lab 1

**Semester Credit Hours** 18

**Spring**
- ENGL 1302  English Composition II 3
- HIST 1302  The US Since 1877 3
- MATH 1325  Business Math II 3
- UNIV 1302  Signature Course 3
- Life & Physical Science 1

**Semester Credit Hours** 15

---

#### Sophomore

**Fall**
- ACC 2301  Intro to Financial Accounting 3
- ECO 2301  Principles of Macroeconomics 3
- PSCI 2305  American National Government 3
- Language, Philosophy & Culture 3
- VTF - Vocational Technical Field (business related) 3
- VTF - Vocational Technical Field (business related) 3

**Semester Credit Hours** 18

**Spring**
- ACC 2302  Intro to Managerial Accounting 3
- ECO 2302  Principles of Microeconomics 3
- PSCI 2306  American State Government 3
- VTF - Vocational Technical Field (business related) 3
- VTF - Vocational Technical Field (business related) 3

**Semester Credit Hours** 18

---

#### Junior

**Fall**
- BA 3301  Professional Written Comm 3
- MKT 3310  Principles of Marketing 3
- TIL 3310  Principles of Transportation 3
- VTF - Vocational Technical Field (business related) 3
- VTF - Vocational Technical Field (business related) 3

**Semester Credit Hours** 15

**Spring**
- BA 3310  Legal Environment of Business 3
- TIL 3350  Global Business Logistics 3
- TIL 3360  Supply Chain Security & Comp 3
- Advanced General Elective 3

**Semester Credit Hours** 12

---

#### Senior

**Fall**
- BA 3320  International Business 3
- TIL 3311  Export/Import Operations & Pra 3
- TIL 3340  Business Logistics Management 3
- Advanced General Elective 3

**Semester Credit Hours** 12

**Spring**
- BA 3315  Intro Int'l Commercial Law 3
- BA 4390  Business Strategy 3
- Advanced Business Elective 3
- Advanced Business Elective 3

**Semester Credit Hours** 12

**Total Semester Credit Hours** 120

1 Lab section or co-requisite might be required.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

---

### Business Administration Minor

For students outside the A. R. Sanchez, Jr. School of Business

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3311</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
</tbody>
</table>

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**Minor Curriculum - Business Administration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
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</tr>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
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<td>FIN 3311</td>
<td>Personal Finance</td>
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</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
</tbody>
</table>
MKT 3310 Principles of Marketing 3

Total Semester Credit Hours 18

Economics Minor
For students outside the A.R. Sanchez, Jr. School of Business

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Curriculum - Economics</td>
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<td></td>
</tr>
<tr>
<td>Required courses:</td>
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</tr>
<tr>
<td>ECO 2301 Principles of Macroeconomics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECO 2302 Principles of Microeconomics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select 4 courses from the following:</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>ECO 3310 Money and Banking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 3320 Managerial Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 3325 Latin American Economics Iss</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 4310 Intermediate Macroeconomics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 4320 Intermediate Microeconomics</td>
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<td></td>
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<tr>
<td>ECO 4360 Public Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 4380 Applied Econometrics</td>
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<td></td>
</tr>
<tr>
<td>ECO 4399 Issues in Economics</td>
<td></td>
<td></td>
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<tr>
<td>Total Semester Credit Hours</td>
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</table>

Entrepreneurship Minor
For students outside the A.R. Sanchez, Jr. School of Business

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACC 2301 Intro to Financial Accounting</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>MGT 3310 Principles of Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MKT 3310 Principles of Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGT 4360 Entrepreneurship&amp;Mgt of Innov</td>
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<tr>
<td>Select 6 semester hours from the following:</td>
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<tr>
<td>ACC 2302 Intro to Managerial Accounting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MKT 3330 Advertising &amp; Promotion Mgt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MKT 4399 Issues in Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGT 3370 Human Resources Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA 3310 Legal Environment of Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 3320 Teamwork and Communication</td>
<td></td>
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<tr>
<td>COMM 3322 Public Relations</td>
<td></td>
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<tr>
<td>COMM 3329 Fundamentals of Advertising</td>
<td></td>
<td></td>
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<tr>
<td>COMM 4329 Digital Communication Design</td>
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<td></td>
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<tr>
<td>UNIV 3320 Community Engmt&amp;Agents of Chng</td>
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</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>18</td>
<td></td>
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</tbody>
</table>

Management Information Systems and Data Analytics Minor
For students outside the A.R. Sanchez, Jr. School of Business

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Curriculum - Management Information Systems and Data Analytics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 2350 Introduction to Programming</td>
<td>3</td>
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<tr>
<td>MIS 3310 Management Information Systems</td>
<td>3</td>
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<tr>
<td>Select 4 courses from the following:</td>
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<tr>
<td>MIS 3320 Information System Analysis</td>
<td></td>
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<tr>
<td>MIS 3330 Database Design Implementation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 3340 Data Comm. &amp; Networking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 3360 Business Data Visualization</td>
<td></td>
<td></td>
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<tr>
<td>MIS 4320 Data Mining and Buss Intel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 4360 Social Business Analytics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 4380 Business Decision Modeling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 4399 Issues in Information Systems or any approved elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
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</table>

Management Minor
For students outside the A.R. Sanchez, Jr. School of Business

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>Minor Curriculum - Management</td>
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<tr>
<td>Required courses:</td>
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<td>MGT 3310 Principles of Management</td>
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<td>Select 15 semester hours from the following:</td>
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<td>MGT 3320 Organizational Behavior</td>
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<td>MGT 3340 Business Ethics</td>
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<td>MGT 3370 Human Resources Management</td>
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<td>MGT 4340 Leadership Theory and Practice</td>
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<td>MGT 4350 Business, Govt&amp;Society</td>
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<tr>
<td>MGT 4360 Entrepreneurship&amp;Mgt of Innov</td>
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<td></td>
</tr>
<tr>
<td>MGT 4380 Organizational Theory</td>
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<td></td>
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<tr>
<td>MGT 4399 Issues in Management</td>
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<td></td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>18</td>
<td></td>
</tr>
</tbody>
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Marketing Minor
(For students outside the A.R. Sanchez, Jr. School of Business)
Certificate in Business Leadership

Purpose:
The Certificate in Business Leadership is an undergraduate certificate program which is designed to provide education for students desiring to enter the workplace with special skills and certification in business leadership. Specifically, students who successfully complete this 12 semester credit hours (SCH) will gain an understanding of business leadership theory, methods, and techniques. The program is designed for current undergraduate business majors.

Upon completion of this certificate program, students will be able to:

1. Apply business leadership skills to modern business operations.
2. Use business leadership theory to analyze managerial problems and opportunities.
3. Apply business leadership methods to entrepreneurial and small business situations.
4. Evaluate business leadership techniques for their applicability in understanding and solving business problems.
5. Solve business cases using business leadership methods.

Criteria for Earning the Certificate:
Students must complete the four courses in the program with at least a “C” in each course.

Criteria for Admission:
Students must be a current undergraduate student in the A.R. Sanchez, Jr. School of Business. Current business majors must be in good academic standing with a cumulative grade point average of 2.0 or higher.

Students interested in pursuing the Certificate in Business Leadership must complete the appropriate form with the School of Business as soon as possible, but no less than one semester before completion of their degree. The School of Business and the Office of the University Registrar will provide the documentation certifying the completion of the certificate.

Total Semester Credit Hours 18

Courses in the Certificate Program

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 3310</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3320</td>
<td>Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3330</td>
<td>Advertising &amp; Promotion Mgt</td>
<td>3</td>
</tr>
<tr>
<td>MKT 4310</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 4320</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 4330</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 4399</td>
<td>Issues in Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 12

Certificate in Entrepreneurship

Purpose:
The Certificate in Entrepreneurship is an undergraduate certificate program which is designed to provide education for students desiring to enter the workplace with an interest toward starting their own business with the skills needed to be successful in their entry into the business world. Specifically, students who successfully complete this 12 semester credit hours (SCH) will gain an understanding of basic accounting and how to set up the books of their new enterprise, how to effectively manage personnel in running their business, how to successfully promote their business, and how to be innovative in their entrepreneurial venture. The program is designed for current undergraduate students enrolled in Texas A&M International University.

Upon completion of this certificate program, students will be able to:

1. Use generally accepted accounting principles in the operations of their newly formed business enterprise.
2. Implement effective promotional and marketing tools to make their new business successful and competitive with other firms.
3. Be successful in the implementation of effective personnel management policies in their business.
4. Understand how to be innovative in making their business competitive alongside other comparable business competitors.

Administration of the Certificate
The Certificate in Entrepreneurship is administrated by the A.R. Sanchez, Jr. School of Business and the Dean of the College is responsible for the oversight of the program.

For more information, contact:

- Maria M. Blasco
  WHT 204C
  956-326-2483
  maggie@tamiu.edu

- Anabelly Sanchez
  WHT 204A
  956-326-2489
  anabelly.sanchez@tamiu.edu
Criteria for Admission

Students must be a current undergraduate student at Texas A&M International University. All majors must be in good academic standing with a cumulative grade point average of 2.0 or higher.

Students interested in pursuing the Certificate in Entrepreneurship must complete the appropriate form with the School of Business as soon as possible, but no less than one semester before completion of their degree. The School of Business and the Office of the University Registrar will provide the documentation certifying the completion of the certificate.

Criteria for Earning the Certificate

Students must complete the four courses in the program with at least a “C” in each of the four courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3310</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4360</td>
<td>Entrepreneurship&amp;Mgt of Innov</td>
<td>3</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Administration of the Certificate

The Certificate in Business Leadership is administered by the A.R. Sanchez Jr. School of Business and the Dean of the College is responsible for the oversight of the program.

For more information, contact:

• Maria M. Blasco
  WHT 204C
  956-326-2483
  maggie@tamiu.edu

• Anabelly Sanchez
  WHT 204A
  956-326-2489
  anabelly.sanchez@tamiu.edu

Certificate in Oil and Gas Accounting

Purpose:

The Oil and Gas Certificate is an undergraduate certificate program which is designed to add education for students desiring to enter the workplace in the oil and gas industry. Specifically, students who successfully complete this 12 SCH will gain an understanding of oil and gas industry and particularly a working knowledge of accounting in this growing industry. The program is designed for business majors, either current or past.

Upon completion of this certificate program, students will be able to:

1. Explain the role and importance of oil and gas industry to the U.S. economy.
2. Explain the different accounting aspects in the oil and gas industry and exploration and production of oil and gas.
3. Explain the accounting descriptions and procedures for production activities, accounting for asset retirement obligations and asset impairment, accounting from oil and gas sales, and joint interest accounting for oil and gas operations.
4. Explain basic taxation in accounting, accounting for conveyances of oil and gas interests, and oil and gas disclosures.
5. Solve cases regarding accounting aspects of oil and gas leases, working interests, and gas contracts.

Criteria for Admission

Students must be either current undergraduate majors in the A.R. Sanchez Jr. School of Business, or be students who have previously earned an undergraduate degree in business. Current business majors must be in good standing with a cumulative grade point average of 2.0.

Students interested in pursuing the Certificate in Oil and Gas Accounting should register with the School of Business and meet with its advisor. If pursuing a degree, students must complete the appropriate form with the School of Business as soon as possible, but no less than one semester before completion of their degree. The School of Business and the Office of the University Registrar will provide the documentation certifying the completion of the certificate.

The Oil and Gas Accounting Certificate is administrated by the A.R. Sanchez Jr. School of Business and the Dean of the College is responsible for the oversight of the program.

Criteria for Earning the Certificate

Students must complete the four courses in the program with at least a C in each of the following courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 3330</td>
<td>Intro to Oil and Gas Industry</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3360</td>
<td>Oil and Gas Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4360</td>
<td>Oil and Gas Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4380</td>
<td>Oil &amp; Gas Acc Colloquium</td>
<td>3</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Certificate in Transportation, International Trade, and Logistics

Purpose:

The Certificate in International Trade and Logistics is an undergraduate level certificate program which is designed to add specialized education for students desiring to enter the workplace in the International Trade arena. Specifically, students who successfully complete this 12 SCH will gain an effective working knowledge of Import and Export procedures, International Trade legal environment and Global Supply Chain Logistics and Security aspects in this all important globally expanding trade and logistics activity.
The program is designed for business majors, either current or past who would like to secure an easy entry into International Trade and associated careers of Customs Broking, Logistics, and Customs and Border Protection services. The program is open for non-business students that have at least two years of work experience beyond a high school diploma, in international trade and associated activities with the approval of admissions committee.

The course work under this certification is intended to be of interest to veterans who may already have basic training in military logistics to pursue as a transition path into civilian life thus becoming a "troops to trade" career option. Towards this goal, it's also contemplated as a desired objective that a student completing this certification be sufficiently motivated and empowered to sit for and obtain a Custom Broker License (subject to meeting the Customs and Border Protection’s other requirements in that respect).

Upon completion of this certificate program, students will have a reasonable working knowledge of transportation and international trade activities to be able to:

1. Describe the domestic and international freight and passenger transportation environment in which users (shippers, receivers, passengers), providers (carriers) and the government (federal, state, local) operate.
2. Evaluate and apply the practical aspects of export and import management (shipping and documentation procedures) by and for international businesses.
3. Describe the basic legal forms of international trade and business.
4. Discern the critical transportation management issues and challenges in the movement of goods through the global supply chains.
5. Identify the roles and dimensions of Harmonization, Information Technology, and Risk Management in a global supply chain.

Criteria for Admission

For students wanting to pursue this certification as part of their undergraduate diploma: They must be current undergraduate majors in the A.R. Sanchez, Jr. School of Business or other colleges in TAMIU in good standing with a cumulative grade point average of 2.0.

For military personnel and students wanting to pursue this certification as a stand-alone certification: They must have two or more years of military service or have at least two years of work experience beyond a high school diploma, in international trade and associated activities and the approval of admissions committee.

Students interested in pursuing the Certificate in International Trade and Logistics should register with the School of Business and meet (in person, or via Skype or conference call) with its advisor (for approval of work experience). If pursuing a degree on TAMIU campus, students must complete the appropriate form with the School of Business as soon as possible, but no less than one semester before completion of their degree. The School of Business and the Office of the Registrar will provide the documentation certifying the completion of the certificate.

The Certificate in International Trade and Logistics is administrated by the A.R. Sanchez, Jr. School of Business and the Dean of the College is responsible for the oversight of the program.

Criteria for Earning the Certificate

Students must complete any four of the five courses below with no less than a C in each of them as listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIL 3310</td>
<td>Principles of Transportation</td>
<td>3</td>
</tr>
<tr>
<td>TIL 3311</td>
<td>Export/Import Operations &amp; Practice</td>
<td>3</td>
</tr>
<tr>
<td>TIL 3350</td>
<td>Global Business Logistics</td>
<td>3</td>
</tr>
<tr>
<td>TIL 3360</td>
<td>Supply Chain Security &amp; Compliance</td>
<td>3</td>
</tr>
<tr>
<td>BA 3315</td>
<td>Intro Intl Commercial Law</td>
<td>3</td>
</tr>
</tbody>
</table>

College of Arts and Sciences

College of Arts and Sciences (COAS)

The College of Arts and Sciences is the University's largest and most comprehensive academic unit. The College enjoys a broad mission in teaching, research, creative activities, and service to our international community. The College prepares students to:

- Think critically and communicate effectively
- Increase their knowledge base and appreciate the global nature of their world
- Participate actively in their education through collaboration with faculty in research and professional activities
- Become involved as leaders in their communities
- Pursue postgraduate and professional degrees in a variety of fields

Our graduate programs produce quality professionals with advanced technical and research skills who are dedicated to their discipline and have a desire to improve society.

General Requirements for Undergraduate Degrees

See Academic Regulations (p. 36) - Undergraduate for specific TAMIU regulations.

Combined BA/MA, BS/MS Degree

Undergraduate students with majors in Communication, English, Criminal Justice, History, Mathematics, Political Science, Psychology or Sociology may pursue a combined BA/MA, BA/MS or BS/MS program. Students can take up to nine (9) SCH of graduate coursework during their senior year. Students may apply for admission to the Master of Arts/Master of Science program during their junior year. Students must begin the process by submitting a Graduate School application online via ApplyTexas. To be considered for admission into a graduate program by the TAMIU Graduate School, you must meet the requirements of the individual graduate program to which you are applying. Students will need to complete all admission requirements to the program during their junior year, to include the application for admission. Students accepted
into the program will begin taking graduate courses during the senior year. Students must attain a “B” in their coursework to remain in and continue the combined program.

Students may count a portion or all of these graduate hours toward their undergraduate degree requirements or save a portion or all of them to count toward the graduate degree requirements. Graduate courses used toward the undergraduate degree requirements will not be counted towards the graduate degree requirements.

Undergraduate students enrolled in the BA or BS in Mathematics (not the BA in Mathematics with 7-12 Certification) may pursue a combined BA/BS/MS program. Those who pursue the BA in Mathematics with 7-12 Certification should also take MATH 4345 Complex Variables. Students electing to complete the BA/BS/MS in Mathematics are eligible for either the thesis or non-thesis option including Mathematics Education and Applied-Statistics tracks.

**Pre-Law Students**

To be eligible for admission to law school the student must have completed a baccalaureate degree. In addition, each applicant to law school must take the Law School Admission Test (LSAT). This test is usually taken during the fall semester of the senior year. While law schools consider a variety of factors, the LSAT score and undergraduate performance are generally given the most weight in determining which applicants will be admitted to a given law school.

The first two years of study for pre-law students are similar to the core curriculum courses taken by all students at Texas A&M International University. The final two years will be used to fulfill the remaining requirements of an undergraduate degree.

Law schools do not require that students select any particular major or sequence of courses as undergraduates. However, according to the Association of American Law Schools, a prelegal education should emphasize oral and written communication skills, a critical understanding of social institutions, and analytical thinking. Therefore, with regard to the selection of appropriate electives, pre-law students should seek the advice of a pre-law advisor in the College of Arts and Sciences.

The following courses are some of those recommended as electives for the pre-law student: BA 3310, COMM 4323, ECO 1301, PHIL 2301, PSCI 3313, PSCI 3314, PSCI 3404, PSCI 4311, PSCI 4312, PSCI 4313, PSCI 4326 or any 3000-4000 level English course.

In addition to helping pre-law students with the selection of course electives, the pre-law advisor can assist students in obtaining information about particular law schools, LSAT preparation, and the activities of the pre-law student organization.

**Pre-Medical and Pre-Dental Program**

Students seeking to qualify for entrance to professional schools in medicine or dentistry are encouraged to meet regularly with a designated pre-health professions advisor in the College of Arts and Sciences. Pre-Medical and Pre-Dental advisors can guide students through additional requirements, recommended courses, and partnerships with professional schools.

The vast majority of students entering medical or dental school must complete four-years of college work. The curriculum offered by the College of Arts and Sciences provides a solid foundation in biology, chemistry, mathematics, and physics. A student does not have to major in biology or chemistry to meet medical and dental school prerequisites. As long as the student successfully completes the following courses, they will be able to matriculate into a state supported institution:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1306</td>
<td>Principles of Biology I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1106</td>
<td>Principles of Biology I-Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1311</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1111</td>
<td>General Chemistry I-Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2425</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3451</td>
<td>Biochemistry I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1342</td>
<td>Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td>General or University Physics I and II</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Three additional BIOL 4hr course</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Students are encouraged to discuss their application plans with their advisor, and to take Medical College Admission Test (MCAT), or Dental Admission Test (DAT), by April the year before they wish to matriculate to professional school.

**Teacher Education**

Students pursuing a Bachelor degree in the College of Arts and Sciences may include teacher certification for 7-12 or All-Level. Teacher Certification in grades 7-12 is offered in the following areas: English, History, Mathematics, and Science. All-Level certification is available in Arts, Music and Spanish.

Students may contact the Certification Office for information about requirements for Teacher Certification. Additional information is included in the introduction section of the College of Education in this catalog.

**Degrees**

**Undergraduate Degrees**

**Bachelor of Applied Arts & Sciences**

- Bachelor of Applied Arts and Sciences (BAAS) (p. 185)
- Bachelor of Applied Arts and Sciences (p. 186) Criminal Justice Concentration (BAAS) (p. 186)

**Bachelor of Arts**

- Bachelor of Arts with a Double Major (BA) (p. 66)
- Bachelor of Arts with a major in Art (BA) (p. 109)
- Bachelor of Arts with a major in Art with All Level Certification (BA) (p. 111)
• Bachelor of Arts with a major in Biology (BA) (p. 77)
• Bachelor of Arts with a major in Communication (BA) (p. 170)
• Bachelor of Arts with a major in Communication with a concentration in Digital and Strategic Communication (BA) (p. 171)
• Bachelor of Arts with majors in Communication and Spanish (BA) (p. 173)
• Bachelor of Arts with majors in Criminal Justice and Political Science (BA) (p. 187)
• Bachelor of Arts with a major in English (BA) (p. 137)
• Bachelor of Arts with a major in English with Grades 7-12 Certification (BA) (p. 139)
• Bachelor of Arts with a major in History (BA) (p. 140)
• Bachelor of Arts with a major in History with Grades 7-12 Certification (BA) (p. 144)
• Bachelor of Arts with majors in History and Political Science (BA) (p. 142)
• Bachelor of Arts with a major in Mathematics (BA) (p. 157)
• Bachelor of Arts with a major in Mathematics with Grades 7-12 Certification (BA) (p. 158)
• Bachelor of Arts with a major in Political Science (BA) (p. 191)
• Bachelor of Arts with a major in Psychology (BA) (p. 174)
• Bachelor of Arts with a major in Sociology (BA) (p. 193)
• Bachelor of Arts with a major in Spanish (BA) (p. 146)
• Bachelor of Arts with a major in Spanish with All Level Certification (p. 148)

Bachelor of Music

• Bachelor of Music in Performance (BM) (p. 112)
• Bachelor of Music Education (BM) (p. 115)

Bachelor of Science

• Bachelor of Science with a major in Biology (BS) (p. 79)
• Bachelor of Science with a major in Chemistry (BS) (p. 80)
• Bachelor of Science with a major in Mathematics (BS) (p. 160)
• Bachelor of Science with a major in Computer Engineering (BS) (p. 94)
• Bachelor of Science with a major in Petroleum Engineering (BS) (p. 96)
• Bachelor of Science with a major in Systems Engineering (BS) (p. 97)
• Bachelor of Science with a major in Science with Grades 7-12 Certification (BS) (p. 82)
• Bachelor of Science in Criminal Justice (BSCJ) (p. 194)

Minors

• Anthropology (p. 196)
• Applied Physics (p. 161)
• Art History (p. 117)
• Biology (p. 83)
• Chemistry (p. 83)
• Communication (p. 176)

• Computer Science
• Creative Writing (p. 149)
• Criminal Justice (p. 196)
• Dance (p. 117)
• English (p. 150)
• Environmental Science (p. 84)
• Geography (p. 196)
• Geology
• History (p. 150)
• International Leadership (p. 196)
• Mathematics (p. 161)
• Military Science (p. 163)
• Music (p. 117)
• Petroleum Engineering (p. 99)
• Philosophy (p. 150)
• Political Science (p. 197)
• PreLaw (p. 197)
• Psychology (p. 176)
• Sociology (p. 197)
• Spanish (p. 151)
• Studio Art (p. 118)
• Theatre Arts (p. 118)
• Translation of English & Spanish (p. 151)
• Women’s & Gender Studies (p. 151)
• Writing and Rhetoric (p. 151)

See APPENDIX C (p. 440) for College of Education and A.R. SANCHEZ, JR. School of Business Minors Available.

Bachelor of Arts with a Double Major (BA)

Degree Requirements

The BA with a Double Major degree allows students to combine two majors into one degree to provide depth in two areas of study rather than just one. Students may choose combinations of the disciplines listed below. The Communication and Spanish combination is listed separately because of the specialized nature of some of the course requirements.

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the “Requirements for Graduation (p. 36)” section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.
## Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>[University Core Curriculum]</strong> (p. 436)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td><strong>Math Elective (except if one major is in Music)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 3 SCH from any math course above the level of College Algebra</td>
<td>3</td>
</tr>
<tr>
<td><strong>Foreign Language/Study Abroad</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 6 SCH in course work (not credit by exam) above the university’s foreign language graduation requirement. Thus students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
<td>6</td>
</tr>
<tr>
<td><strong>Major Options</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 33 SCH each in two disciplines from the following:</td>
<td>66</td>
</tr>
</tbody>
</table>

### Communication

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3300</td>
<td>Intro to Theo Prin of Comm</td>
</tr>
<tr>
<td>COMM 3310</td>
<td>Methods of Inquiry:Quant Rsch</td>
</tr>
<tr>
<td>COMM 4340</td>
<td>Communication Ethics</td>
</tr>
<tr>
<td>COMM 4350</td>
<td>Internship</td>
</tr>
<tr>
<td>COMM 4360</td>
<td>Comm Theory&amp;Practice</td>
</tr>
</tbody>
</table>

Select 18 SCH of advanced Communication electives

### Criminal Justice

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 1301</td>
<td>Intro to Criminal Justice</td>
</tr>
<tr>
<td>CRIJ 2329</td>
<td>Fundamentals of Criminal Law</td>
</tr>
<tr>
<td>CRIJ 4321</td>
<td>Senior Pro-Seminar-WIN</td>
</tr>
<tr>
<td>CRIJ 4325</td>
<td>Statistics in Criminal Justice</td>
</tr>
<tr>
<td>SOCI 3336</td>
<td>Criminology</td>
</tr>
</tbody>
</table>

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 3301</td>
<td>Research Methods in Social Sci</td>
</tr>
<tr>
<td>PSCI 3301</td>
<td>Research Methods in Social Sci</td>
</tr>
<tr>
<td>SOCI 3301</td>
<td>Research Methods in Social Sci</td>
</tr>
</tbody>
</table>

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 1306</td>
<td>Courts&amp;Criminal Procedure</td>
</tr>
<tr>
<td>CRIJ 2313</td>
<td>Correctional Systems&amp;Practice</td>
</tr>
<tr>
<td>CRIJ 2328</td>
<td>Police Systems&amp;Practices</td>
</tr>
</tbody>
</table>

Select 12 SCH advanced electives (9 SCH may be at the graduate level for BS/MS CRIJ students)

### English

Surveys of Literature-in addition to the Survey of Literature from Core Curriculum, select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2322</td>
<td>British Lit Through Neoclass</td>
</tr>
<tr>
<td>ENGL 2323</td>
<td>British Lit: Romantics-Pres</td>
</tr>
</tbody>
</table>

### American Literature

select 6 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3330</td>
<td>Early American Literature</td>
</tr>
<tr>
<td>ENGL 3331</td>
<td>Late 19th Century American Lit</td>
</tr>
<tr>
<td>ENGL 3332</td>
<td>Early 20th Century American Lt</td>
</tr>
<tr>
<td>ENGL 3333</td>
<td>Late 20th Century American Lit</td>
</tr>
<tr>
<td>ENGL 4330</td>
<td>Studies in American Literature</td>
</tr>
<tr>
<td>ENGL 4331</td>
<td>Major American Authors</td>
</tr>
<tr>
<td>ENGL 4334</td>
<td>American Literary Renaissance</td>
</tr>
<tr>
<td>ENGL 4335</td>
<td>Minority Voices</td>
</tr>
<tr>
<td>ENGL 4336</td>
<td>Chicano/a Literature</td>
</tr>
<tr>
<td>ENGL 4339</td>
<td>Reading Nature in American Lit</td>
</tr>
</tbody>
</table>

### British Literature

select 6 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3320</td>
<td>The Middle Ages</td>
</tr>
<tr>
<td>ENGL 3321</td>
<td>The 16th Century</td>
</tr>
<tr>
<td>ENGL 3322</td>
<td>The 17th Century</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>The Restoration &amp; 18th Cent</td>
</tr>
<tr>
<td>ENGL 3324</td>
<td>19th Cent Brit. Lit: Romantics</td>
</tr>
<tr>
<td>ENGL 3325</td>
<td>19th Century Lit: Victorians</td>
</tr>
<tr>
<td>ENGL 3326</td>
<td>British Lit from 1900 to WWII</td>
</tr>
<tr>
<td>ENGL 3327</td>
<td>British Lit from WWII to Pres</td>
</tr>
<tr>
<td>ENGL 4320</td>
<td>Studies in English Literature</td>
</tr>
<tr>
<td>ENGL 4321</td>
<td>Major British Authors</td>
</tr>
<tr>
<td>ENGL 4322</td>
<td>Shakespeare’s Major Plays</td>
</tr>
<tr>
<td>ENGL 4323</td>
<td>Shakespeare in Performance</td>
</tr>
<tr>
<td>ENGL 4324</td>
<td>Women in Shakespeare</td>
</tr>
<tr>
<td>ENGL 4325</td>
<td>Studies in Shakespeare</td>
</tr>
</tbody>
</table>

### Shakespeare

select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 4322</td>
<td>Shakespeare’s Major Plays</td>
</tr>
<tr>
<td>ENGL 4323</td>
<td>Shakespeare in Performance</td>
</tr>
<tr>
<td>ENGL 4324</td>
<td>Women in Shakespeare</td>
</tr>
<tr>
<td>ENGL 4325</td>
<td>Studies in Shakespeare</td>
</tr>
</tbody>
</table>

### Required Course:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 4399</td>
<td>Senior Seminar - WIN</td>
</tr>
</tbody>
</table>

Select an additional 9 SCH 3000-4000 level ENGL electives.

### History

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2321</td>
<td>Eastern Civilizations</td>
</tr>
<tr>
<td>HIST 2322</td>
<td>Western Civilization</td>
</tr>
<tr>
<td>HIST 3302</td>
<td>History of Texas</td>
</tr>
<tr>
<td>HIST 3303</td>
<td>Historical Methods-WIN</td>
</tr>
<tr>
<td>HIST 4310</td>
<td>Historical Perspectives-WIN</td>
</tr>
</tbody>
</table>

Select 9 SCH International History electives from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3330</td>
<td>Colonial Latin America</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>HIST 3331</td>
<td>Modern Latin America</td>
</tr>
<tr>
<td>HIST 3332</td>
<td>Mexico</td>
</tr>
<tr>
<td>HIST 3333</td>
<td>Central America &amp; Caribbean</td>
</tr>
<tr>
<td>HIST 3340</td>
<td>World Cultural History</td>
</tr>
<tr>
<td>HIST 3352</td>
<td>World Historical Biography</td>
</tr>
<tr>
<td>HIST 3379</td>
<td>World Intellectual History</td>
</tr>
<tr>
<td>HIST 3386</td>
<td>World Immigration History</td>
</tr>
<tr>
<td>HIST 3391</td>
<td>Islamic Civil 600-1400 CE</td>
</tr>
<tr>
<td>HIST 3392</td>
<td>Contemporary Islamic World</td>
</tr>
<tr>
<td>HIST 3393</td>
<td>History of Africa to 1880</td>
</tr>
<tr>
<td>HIST 3394</td>
<td>History of Africa Since 1880</td>
</tr>
<tr>
<td>HIST 3395</td>
<td>Contemporary South Asia</td>
</tr>
<tr>
<td>HIST 3396</td>
<td>Borders &amp; Identities in India</td>
</tr>
<tr>
<td>HIST 4338</td>
<td>Pre-Modern Europe</td>
</tr>
<tr>
<td>HIST 4339</td>
<td>Renaissance &amp; Reformation Euro</td>
</tr>
<tr>
<td>HIST 4340</td>
<td>European Age of Enlightenment</td>
</tr>
<tr>
<td>HIST 4341</td>
<td>19th-Century Europe</td>
</tr>
<tr>
<td>HIST 4342</td>
<td>Modern Europe: 1914-1990</td>
</tr>
<tr>
<td>HIST 4380</td>
<td>Women in the Developing World</td>
</tr>
<tr>
<td>HIST 4391</td>
<td>Seminar in World History</td>
</tr>
<tr>
<td>HIST 4392</td>
<td>Seminar in European History</td>
</tr>
<tr>
<td>HIST 4393</td>
<td>Sem. in Latin American History</td>
</tr>
<tr>
<td>HIST 4394</td>
<td>Seminar in Eastern History</td>
</tr>
</tbody>
</table>

Select 9 SCH U.S. History electives from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3310</td>
<td>Military History of the US</td>
</tr>
<tr>
<td>HIST 3341</td>
<td>U.S. Cultural History</td>
</tr>
<tr>
<td>HIST 3354</td>
<td>U.S. Historical Biography</td>
</tr>
<tr>
<td>HIST 3355</td>
<td>U.S. History and Film</td>
</tr>
<tr>
<td>HIST 3370</td>
<td>U.S. Women’s History</td>
</tr>
<tr>
<td>HIST 3371</td>
<td>History of US Workers</td>
</tr>
<tr>
<td>HIST 3375</td>
<td>U.S. Southern History</td>
</tr>
<tr>
<td>HIST 3380</td>
<td>Intellectual History of the US</td>
</tr>
<tr>
<td>HIST 3381</td>
<td>Sport and US History</td>
</tr>
<tr>
<td>HIST 3385</td>
<td>Mexican American History</td>
</tr>
<tr>
<td>HIST 3387</td>
<td>U.S. Immigration History</td>
</tr>
<tr>
<td>HIST 4316</td>
<td>Colonial America: Dis-1763</td>
</tr>
<tr>
<td>HIST 4317</td>
<td>Am Rev/Early Nat Era 1763-1815</td>
</tr>
<tr>
<td>HIST 4318</td>
<td>Age of Jackson to Civil War</td>
</tr>
<tr>
<td>HIST 4350</td>
<td>North American Borderlands</td>
</tr>
<tr>
<td>HIST 4366</td>
<td>United States, 1865-1914</td>
</tr>
<tr>
<td>HIST 4367</td>
<td>United States, 1914-1945</td>
</tr>
<tr>
<td>HIST 4368</td>
<td>United States Since 1945</td>
</tr>
<tr>
<td>HIST 4390</td>
<td>Seminar in US History</td>
</tr>
</tbody>
</table>

**Mathematics**

Includes 1 SCH surplus from MATH 2413 in the core;

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2414</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 2415</td>
<td>Calculus III</td>
</tr>
<tr>
<td>MATH 3330</td>
<td>Ordinary Diff Equations</td>
</tr>
</tbody>
</table>

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<tr>
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</thead>
<tbody>
<tr>
<td>MATH 3360</td>
<td>Statistical Analysis</td>
</tr>
<tr>
<td>MATH 3365</td>
<td>Discrete Mathematics</td>
</tr>
<tr>
<td>MATH 4335</td>
<td>Advanced Calculus</td>
</tr>
</tbody>
</table>

Select an additional 12 SCH advanced MATH electives

**Music**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSI 1116</td>
<td>Aural Training I</td>
</tr>
<tr>
<td>MUSI 1117</td>
<td>Aural Training II</td>
</tr>
<tr>
<td>MUSI 1211</td>
<td>Music Theory I</td>
</tr>
<tr>
<td>MUSI 1212</td>
<td>Music Theory II</td>
</tr>
<tr>
<td>MUSI 2116</td>
<td>Aural Training III</td>
</tr>
<tr>
<td>MUSI 2117</td>
<td>Aural Training IV</td>
</tr>
<tr>
<td>MUSI 2211</td>
<td>Music Theory III</td>
</tr>
<tr>
<td>MUSI 2212</td>
<td>Music Theory IV</td>
</tr>
<tr>
<td>MUSI 3346</td>
<td>Form and Analysis</td>
</tr>
</tbody>
</table>

Select 2 SCH of MUAP 1113 and 4 SCH of MUAP 3113. 2 SCH of lower level and 4 SCH of upper level Music Ensemble (MUEN 1130, 1133, 1140, 1143, 3130, 3133, 3140, 3143), and 6 SCH 3000-4000 of MUAP, MUEN, MUSI.

**Political Science**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PSCI 2301</td>
<td>Intro to Political Leadership</td>
</tr>
<tr>
<td>PSCI 3301</td>
<td>Research Methods in Social Sci</td>
</tr>
<tr>
<td>PSCI 4351</td>
<td>Senior Seminar in PSCI</td>
</tr>
</tbody>
</table>

Select 6 SCH from the following American Politics courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3320</td>
<td>Congress and the Presidency</td>
</tr>
<tr>
<td>PSCI 4311</td>
<td>The Constitution and Civil Lib</td>
</tr>
<tr>
<td>PSCI 4312</td>
<td>Constitution and Crim Pro Law</td>
</tr>
<tr>
<td>PSCI 4313</td>
<td>Constitution and Govt Powers</td>
</tr>
<tr>
<td>PSCI 4320</td>
<td>The Political System of U.S</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci *</td>
</tr>
</tbody>
</table>

Select 3 SCH from the following Constitutional Law courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PSCI 4311</td>
<td>The Constitution and Civil Lib</td>
</tr>
<tr>
<td>PSCI 4313</td>
<td>Constitution and Govt Powers</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci *</td>
</tr>
</tbody>
</table>

Select 3 SCH from the following Political Philosophy courses:

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3313</td>
<td>Class&amp;Med Political Phil</td>
</tr>
<tr>
<td>PSCI 3314</td>
<td>Modern Political Philosophy</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci *</td>
</tr>
</tbody>
</table>

Select 3 SCH from the following Comparative Politics courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3305</td>
<td>Govt &amp; Politics of Europe</td>
</tr>
<tr>
<td>PSCI 3308</td>
<td>Latin American Pol Systems</td>
</tr>
<tr>
<td>PSCI 3310</td>
<td>Studies in Comp Politics</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci *</td>
</tr>
</tbody>
</table>

Select 3 SCH from the following International Politics courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3340</td>
<td>International Law &amp; Org</td>
</tr>
<tr>
<td>PSCI 4307</td>
<td>The Interamerican System</td>
</tr>
<tr>
<td>PSCI 4309</td>
<td>Mexican Politics &amp; Government</td>
</tr>
<tr>
<td>PSCI 4310</td>
<td>Drug Trafficking</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci *</td>
</tr>
</tbody>
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Select 3 SCH from the following International Politics courses:

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<td>Drug Trafficking</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci *</td>
</tr>
</tbody>
</table>
Select an additional 6 SCH advanced PSCI electives (3000-4000 level) not used for any other requirement.

**Psychology**

- PSYC 2301 Intro to Psychology
- PSYC 2314 Lifespan Growth & Development
- PSYC 2117 Basic Stats for Psych Lab & PSYC 2317 and Basic Stats for Psychology
- PSYC 3102 Rsrch Methods in Beh Sci Lab & PSYC 3302 and Research Methods in Psych
- PSYC 3301 Social Psychology
- PSYC 4301 Psychology of Personality
- PSYC 4325 Cognitive Psychology

Select 10 SCH from the following:

- PSYC 3304 Learning and Memory
- PSYC 3310 Biological Psychology
- PSYC 3315 Psychology of Aging
- PSYC 4199-4399
- PSYC 4303 Abnormal Psychology
- PSYC 4305 Psychology of Language
- PSYC 4306 Language Development
- PSYC 4307 The Psychology of Bilingualism
- PSYC 4308 Theory & Prin of Psyc Testing
- PSYC 4309 Foundations of Language
- PSYC 4310 Psychology of Human Sexuality
- PSYC 4315 Alcohol, Drugs & Human Behav

**Sociology**

- SOCI 1301 Intro to Sociology
- SOCI 1306 Cont Social Prob & Social Pol
- SOCI 3301 Research Methods in Social Sci
- SOCI 3304 Sociological Theory
- SOCI 4310 Social Inequality
- SOCI 4317 Race & Ethnic Relations
- SOCI 4380 Senior Proseminar

Select an additional 12 SCH advanced SOCI electives

**Spanish**

- SPAN 3305 Spanish Academic Writing
- SPAN 3310 Intro to Literature in Spanish
- SPAN 3321 or SPAN 3322 Stud in Span Lit Before 1700 or Stud in Span Lit After 1700
- SPAN 3323 or SPAN 3326 Stud in Span Am Lit: Conq-Mod or Stud Span Am Lit: 19th & 20th
- SPAN 4303 The Spanish American Novel
- SPAN 4308 Cervantes & Don Quijote
- SPAN 4312 History of Spanish Language

Select an additional 12 SCH advanced Spanish electives

**International Studies**

Select 3 SCH from the following:

- If one of your majors is Music, MUSI 3300 and MUSI 3301 are required.

- ARTS 1303 Art Hist Surv: Prehist-Renaiss
- ARTS 3310 Studies Art Hist & Criticism
- ARTS 3330 18th & 19th Century Art
- ARTS 3352 Modern Art 1860-1960
- ARTS 3353 Art Since 1945
- COMM 4320 Trends in International Comm
- ENGL 2332 Survey of World Lit to 1650
- ENGL 2333 Survey of World Lit Since 1650
- ENGL 3341 Great Bks: Classic. to Renais.
- ENGL 3342 Great Bks: Renais. to Present
- ENGL 3351 World Mythology
- ENGL 3352 World Folklore
- ENGL 4340 Studies in World Literature
- GEOG 1303 General World Geography
- GEOG 3351 World History & Geography
- GEOG 3352 Latin American Historical Geog
- GEOG 3353 Political Geography
- HIST 2321 Eastern Civilizations
- HIST 2322 Western Civilization
- HIST 3330 Colonial Latin America
- HIST 3392 Contemporary Islamic World
- HIST 3393 History of Africa to 1880
- HIST 3394 History of Africa Since 1880
- HIST 4338 Pre-Modern Europe
- HIST 4340 European Age of Enlightenment
- HIST 4341 19th-Century Europe
- HIST 4342 Modern Europe: 1914-1990
- HIST 4391 Seminar in World History
- MUSI 3300 Music History I
- MUSI 3301 Music History II
- PORT 3324 Luso-Brazilian Lit & Culture
- PSCI 3305 Govt & Politics of Europe
- PSCI 3308 Latin American Pol Systems
- PSCI 3310 Studies in Comp Politics
- PSCI 3340 International Law & Org
- PSCI 4307 The Interamerican System
- PSCI 4309 Mexican Politics & Government
- PSCI 4335 International Politics
- SOCI 3307 U.S.-Mexico Border Subcultures
- SOCI 3308 Latin American Cultures
- SOCI 4318 Globalization
- SPAN 4300 Contemp Span Am Soc in Lit

Total Semester Credit Hours 120
* Mathematics: includes 1 SCH surplus from MATH 2413 in the core PSCI: when the topic is related to sub-field; course may be repeated when content changes (for all PSCI 4321 courses)
Note: All CRIJ majors must first satisfy the lower level CRIJ courses or their junior/community college equivalents in the sequence indicated before enrolling in advanced courses.
BA/MA, BS/MS Option: See Combined BA/MA, BS/MS Programs in this section

Four-Year Degree Plan
The BA with a Double Major degree allows students to combine two majors into one degree to provide depth in two areas of study rather than just one. Students may choose combinations of the disciplines included in the Program of Study Requirements. Following is one suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman
Fall
ENGL 1301 English Composition I 3
HIST 1301 The US to 1877 3
UNIV 1201 Learn a Global Context I 2
Foreign Language/Study Abroad 3
Life & Physical Science 3
Life & Physical Science Lab 1

Semester Credit Hours 15

Spring
ENGL 1302 English Composition II 3
MATH 1314 College Algebra 3
HIST 1302 The US Since 1877 3
UNIV 1302 Signature Course 3
Foreign Language/Study Abroad 3

Semester Credit Hours 15

Sophomore
Fall
PSCI 2305 American National Government 3
Language, Philosophy&Culture 3
Life & Physical Science 3
Major 1 3
Major 2 3

Semester Credit Hours 15

Spring
PSCI 2306 American State Government 3
Soc/Behavioral Science 3
Major 1 3
Major 1 3
Major 2 3

Semester Credit Hours 15

Junior
Fall
Creative Arts 3
MATH Elective (Music majors must enroll for MUSI 3300) 3
Major 1 3
Major 1 3
Major 2 3
Major 2 3

Semester Credit Hours 18

Spring
International Studies (Music majors must enroll for MUSI 3301) 3
Major 1 3
Major 1 3
Major 2 3
Major 2 3

Semester Credit Hours 15

Senior
Fall
Major 1 3
Major 1 3
Major 2 3

Semester Credit Hours 12

Total Semester Credit Hours 120

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

Biology and Chemistry Degrees

Majors
• Bachelor of Arts with a Major in Biology (BA) (p. 77)
• Bachelor of Science with a Major in Biology (BS) (p. 79)
• Bachelor of Science with a Major in Chemistry (BS) (p. 80)
• Bachelor of Science with a Major in Science with Grades 7-12 Certification (BS) (p. 82)
Minors

- Biology (p. 83)
- Chemistry (p. 83)
- Environmental Science (p. 84)

Courses

BIOL 1101 Supplemental Laboratory
This course allows a transfer student to make up a laboratory deficiency at the introductory level. May be taken only for introductory courses. Laboratory fee applicable.
Prerequisites: Permission of Department Chair.

BIOL 1106 Principles of Biology I-Lab
Laboratory course to accompany BIOL 1306. Practical exercises reinforce BIOL 1306 lecture material. Topics will include include biochemistry, cell structure and function, photosynthesis and respiration, DNA structure and function, mitosis, meiosis, and Mendelian genetics. Must be taken concurrently with BIOL 1306. Laboratory fee applicable.

BIOL 1111 Principles of Biology II-Lab
Laboratory course to accompany BIOL 1311. Practical exercises reinforce BIOL 1311 lecture material. Emphasis will be on characteristics of the plant kingdom, but the relevant features of algae and fungi will also be discussed. General topics will include plant structure, physiology and development, evolution and ecology. Must be taken concurrently with BIOL 1311. Laboratory fee applicable.

BIOL 1170 Survey of Life Science Lab
Laboratory course to accompany BIOL 1370. Must be taken concurrently with BIOL 1370. Required for elementary education certification. Not for students majoring or minoring in biology. Fulfills the laboratory science core curriculum requirement. Laboratory fee applicable.

BIOL 1171 Human Biology-Lab
Laboratory course to accompany BIOL 1371. Practical exercises reinforce BIOL 1371 lecture material. Emphasis will be on characteristics of the plant kingdom, but the relevant features of algae and fungi will also be discussed. General topics will include plant structure, physiology and development, evolution and ecology. Must be taken concurrently with BIOL 1371. Laboratory fee applicable.

BIOL 1301 Principles of Biology I
A study of the basic principles of Biology. Topics will include biochemistry, cell structure and function, photosynthesis and respiration, DNA structure and function, mitosis, meiosis, and Mendelian genetics. Required for all biology majors. Concurrent enrollment in CHEM 1311/1111 is strongly recommended; concurrent enrollment in BIOL 1106 is required. Fulfills the laboratory Science core requirement. May be taken by non-science majors with permission of instructor. TCCN: BIOL 1306

BIOL 1306 Principles of Biology I
This course is designed to give the students a broad introduction to botany. Emphasis will be on characteristics of the plant kingdom, but the relevant features of algae and fungi will also be discussed. General topics will include plant structure, physiology and development, evolution and ecology. Concurrent enrollment in BIOL 1111 is required. May be taken by non-science majors with permission of instructor. TCCN: BIOL 1311

BIOL 1370 Survey of Life Science
A basic introductory course stressing fundamental biological principles and concepts. It is designed to acquaint the future elementary teacher with the various structures, functions, life histories, and occurrence of local plants and animals. Must be taken concurrently with BIOL 1170. Required for elementary education certification. Not for students majoring or minoring in science. Fulfills the laboratory science core curriculum requirement.

BIOL 1371 Human Biology
A survey of the basic anatomy and functioning of systems of the human body, including musculoskeletal, reproductive, circulatory, respiratory, immune, nervous, endocrine, urinary, and digestive systems. Not for students majoring or minoring in biology. Must be taken concurrently with BIOL 1171. Fulfills the laboratory science core curriculum requirement.

BIOL 1413 Principles of Biology III
A survey of the kingdom Animalia which considers the fundamentals of biology. Includes classification, phylogeny, evolution, anatomy, physiology and behavior of animals and related taxa in the protista. Lecture/ laboratory. May be taken by non-science majors with permission of instructor. Laboratory fee applicable.

TCMN: BIOL 1413

BIOL 2101 Anatomy & Physiology I-Lab
Laboratory course to accompany BIOL 2301. Practical exercises reinforce BIOL 2301 lecture material. Topics include of the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous system and special senses. Not for students majoring or minoring in biology. Fulfills the laboratory science core curriculum requirement. Carries no credit for biology majors. Must be taken concurrently with BIOL 2301. Laboratory fee applicable.

TCMN: BIOL 2101

BIOL 2102 Anatomy & Physiology II-Lab
Laboratory course to accompany BIOL 2302. Practical exercises reinforce BIOL 2302 lecture material. Topics include endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems. Other topics include metabolism, acid-base balance, development, and heredity. Carries no credit for biology majors. Must be taken concurrently with BIOL 2302. Laboratory fee applicable.

TCMN: BIOL 2102

BIOL 2301 Anatomy & Physiology I
A study of the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous system and special senses. Must be taken concurrently with BIOL 2101. Carries no credit for biology majors.
Prerequisites: Consult your departmental advisor or obtain instructor’s permission.

TCMN: BIOL 2301
BIOL 2302 Anatomy & Physiology II
A study of the structure and function of the human body including endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems. Other topics include metabolism, acid-base balance, development, and heredity. Must be taken concurrently with BIOL 2102. Carries no credit for biology majors.
TCCN: BIOL 2302

BIOL 2415 Microbiology for Allied Health
Clinically oriented overview of basic medical microbiology. Topics discussed include cell structure and function, microbial growth and its control, immunology, and genetics. Carries no credit for biology majors. Lecture/laboratory. Laboratory fee applicable.
Prerequisites: Consult School of Nursing.
TCCN: BIOL 2420

BIOL 2421 General Microbiology
A survey of microbiology. Topics include structure, growth, reproduction, metabolism, genetics, and taxonomy of microorganisms; a survey of microorganisms of soil, water, foods, and industry. Lecture /laboratory. Laboratory fee applicable.
Prerequisites: BIOL 1306/1106, and CHEM 1311/1111.
TCCN: BIOL 2421

BIOL 3401 Environmental Science
An interdisciplinary course including the following topics: ecosystems, population dynamics, flow of energy and materials and their transformations, renewable and non-renewable resources, wastes, energy, solid wastes, control of weeds and pests, environment and human health and anthropogenic effects on the environment. Required for Environmental Science majors. Laboratory fee applicable. (Cross-listed with ENSC 3401)
Prerequisites: Eight hours of major's biology or permission of instructor.

BIOL 3403 Human Anatomy
A laboratory-based intensive study of the gross structure of organs and organ systems. Suggested for prehealth professional students. Lecture/ laboratory. Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 3405 Human Physiology
A study of the function of the human body including cell function, tissue functions, homeostasis, metabolism, nervous system, endocrine system, muscle function, cardiovascular system, breathing and gas exchange, digestive system, urinary system, water and electrolyte balance, acid base balance. Lecture/Laboratory. Laboratory fee applicable.
Prerequisites: Twelve hours of Biology, BIOL 3403, and junior standing.

BIOL 3406 Evolution
Genetic and ecological basis of evolutionary changes within populations of plants and animals. Historical, morphological, biochemical, behavioral, and biogeographical evidence will be considered.
Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 3407 Animal Behavior
An evolutionary perspective of behavioral diversity in animals. Topics covered will include the genetics of behavior and levels of selection, predator/prey interactions, mating systems, parental care, resource competition, feeding ecology, communication, social behavior and learning. Students will begin developing and testing their own hypotheses in animal behavior. Field work required. Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 3410 Ecology
A study of inter-relationships of plants and animals and their natural environment. Topics include distribution and abundance of plants and animals with respect to population, community, and ecosystem structure and function. Emphasis will be placed on local flora, and fauna. Extensive field work required. Required for biology majors. Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 3412 Cell Biology
An introduction to the structure and function of eukaryotic cells. Emphasis is placed on the biochemical and biological characteristics of macromolecules and organelles. The major experimental tools used in modern cell biology are presented in the context of research. Topics include membranes, structure and function of proteins, energy conversion, the maintenance of cellular compartments, and transmembrane and cell-cell signaling. Laboratory fee applicable.
Prerequisites: BIOL 1306/1106 and BIOL 1311/1111, BIOL 1413 or BIOL 2421 and CHEM 2423 or permission of instructor.

BIOL 3413 Intro to Genetics
A study of the basic principles of the science of heredity, with an emphasis in classical and molecular genetics. Classical and molecular approaches are discussed as applied to a range of organisms from bacteria to man. Laboratory fee applicable.
Prerequisites: BIOL 1306/1106 and BIOL 1311/1111, BIOL 1413 or BIOL 2421 and CHEM 2423 or permission of instructor.

BIOL 3414 Invertebrate Zoology
The class serves to give the student an appreciation for invertebrate form, function, natural history, evolution and systematics. Field work required. Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors including BIOL 1413 or permission of instructor.

BIOL 3416 Intro to Biological Statistics
An introduction to statistical methodology applied to biology. Topics covered include the scientific method, biological experimental design, data management, probability distributions, hypothesis testing, analysis of variance, regression analysis, correlation analysis, analysis of frequencies, and an introduction to multivariate analysis. A special emphasis will be given to the application of these techniques for the student's own research. Lecture/laboratory.
Prerequisites: BIOL 1306/1106, 1311/1111, 1413 or permission of instructor.
BIOL 3425 Paleontology and Earth History
An examination of the geologic history of the Earth focusing on the fossil and rock record. Specifically, this course will consider the development and history of life as documented by the fossil record and earth's history from a stratigraphic perspective. Includes three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: Junior Standing.

BIOL 3451 Biochemistry I
An introduction to modern biochemistry using fundamental chemical principles. Topics covered include proteins, carbohydrates, lipids, nucleic acids, bioenergetics, enzymology, and metabolism with an emphasis on interrelationships between metabolic pathways and regulation. Cross-listed with CHEM 3451. Credit cannot be given for both BIOL 3451 and CHEM 3451. Laboratory fee applicable.
Prerequisites: BIOL 1306/1106 and CHEM 2423 or permission of instructor.

BIOL 4273 Undergraduate Research
A course adapted to the study of special topics in biology. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with the approval of the instructor prior to registration. Course may be repeated but not to exceed eight semester hours by the student with the approval of the instructor prior to registration. Laboratory fee applicable.
Prerequisites: Permission of instructor.

BIOL 4371 Current Topics in Biology
A seminar course on topics of current biological interest. Laboratory section included at discretion of instructor. May be repeated when topic changes.
Prerequisites: Junior standing and permission of instructor.

BIOL 4373 Undergraduate Research
A course adapted to the study of special topics in biology. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with the approval of the instructor prior to registration. Course may be repeated but not to exceed eight semester hours for biology majors and not exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Permission of instructor.

BIOL 4402 Mammalogy
A study of anatomy, evolution, distribution, systematics, ecology, and physiology of mammals, with special emphasis on local representatives. Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors including BIOL 1413 or permission of instructor.

BIOL 4404 Herpetology
A study of the anatomy, evolution, distribution, systematics, ecology, and physiology of amphibians and reptiles; primarily North American species with special emphasis on local representatives. Saturday field trips required. Lab fee: $30.
Prerequisites: Eight SCH lower-level Biology for majors including BIOL 1413 or permission of instructor.

BIOL 4407 Behavioral Ecology
A course in the function of behavior in the context of ecology and evolution. Topics will include foraging behavior, habitat selection, mating behavior, parental care, and social behavior.
Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 4408 Entomology
An introduction to the study of insects (and arachnids). Topics will include anatomy and physiology, evolution, ecology, and behavior. Special emphasis will be placed on insect diversity and identification of local families of insects (and arachnids). A collection of local representatives is required. Saturday field trips required. Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors including BIOL 1413 or permission of instructor.

BIOL 4409 Molecular Sys Biol & Chem Gene
A course dedicated to the discussion of current approaches to study "Oomics" or systems biology, and the impact of chemical genetics in understanding how to activate or inactivate gene products as a way to determine the cellular functions of proteins. The course covers topics at the molecular level, including research in the evolving areas of genomics, proteomics, metabolomics, bioinformatics, microbial systems, and the integration of cell signaling and regulatory networks. Laboratory fee applicable. (Cross-listed with CHEM 4409 and BIOL 5409)
Prerequisites: Permission of instructor.

BIOL 4410 Animal Nutrition
A study of nutritive requirements for domestic animals, including ruminants, and monogastrics. Topics covered include the digestive system, nutrient metabolism, design of diets from available feed stuffs, and an introduction to feed and labeling laws.
Prerequisites: Consent of instructor.

BIOL 4411 Animal Nutrition
A study of nutritive requirements for domestic animals, including ruminants, and monogastrics. Topics covered include the digestive system, nutrient metabolism, design of diets from available feed stuffs, and an introduction to feed and labeling laws.
Prerequisites: Consent of instructor.

BIOL 4418 Community Ecology
A study of biotic and abiotic interactions determining community structure emphasizing models, observations and field experiments on communities. Topics will include diversity, food webs, succession, the factors determining the composition of communities, and the functioning of ecosystems. Independent study of a selected community ecology topic required.
Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.
BIOL 4420 Environmental Microbiology
An overview of the relationship between microbial metabolism, physiology, and the environment. The application of modern microbiological concepts to address and solve current environmental problems is emphasized. Topics include air, water and soil microbiology, geochemical activities of microbes, biotransformations, pollution, and pollution abatement using microbes. Laboratory fee applicable. (Cross-listed with ENSC 4420/BIOL 5420).
Prerequisites: BIOL 2421 or permission of instructor.

BIOL 4425 Immunology
A detailed study of the immune response and related events. Emphasis is placed on cellular and humoral branches of immunity, including the study of blood (serology) as a diagnostic tool. Laboratory fee applicable. (Cross-listed with BIOL 5425).
Prerequisites: BIOL 2421 or permission of instructor.

BIOL 4430 Limnology
Study of the structure and function of inland waters, ecology of freshwater systems such as lakes, ponds, rivers, and streams. Topics include physical and chemical properties of freshwater, habitats, biotic composition, and productivity water use. Laboratory fee applicable. (Cross-listed with ENSC 4430).
Prerequisites: BIOL 3410 or permission of instructor.

BIOL 4440 Plant Systematics
An introduction to plant systematics with an emphasis on flowering plants. Topics will include principles of classification, rules of nomenclature, plant identification and the use of keys, the evolutionary relationships among plant groups, species concepts, and experimental approaches to systematics. Laboratory fee applicable. (Cross-listed with BIOL 5440)
Prerequisites: BIOL 1311/1111 or permission of the instructor.

BIOL 4441 Plant Physiological Ecology
This course will examine plant physiological mechanisms that explain ecological patterns. Topics will include the physiological characteristics of plants (photosynthesis, energy balance, water relations, mineral nutrition, growth, and development) and how those characteristics are adaptive to various environments. (Cross-listed with BIOL 5441)
Prerequisites: BIOL 1311/1111 or permission of the instructor.

BIOL 4452 Biochemistry II
A detailed study, using primary literature sources, of carbohydrates, amino acids, nucleic acids, and lipid metabolic pathways. Special attention is given to human metabolism in health and disease. Cross-listed with BIOL 4452.
Prerequisites: BIOL 3451 or CHEM 3451 with C or better, or permission of instructor.

BIOL 4455 Bioinformatics
Bioinformatics introduces general bioinformatics concepts and their practice. Students will be introduced to current techniques in generation and storage of biological information, biological databases, sequence alignments, molecular phylogeny. They will also learn modern Genomic/proteomic concepts, and the use of publicly available software in biological data analysis. Students will gain practical experience with bioinformatics tools and develop basic skills in the collection and presentation of bioinformatics data. Lab fee: $30.00.
Prerequisites: BIOL 1311/1111, BIOL 1413 or BIOL 2421.
Corequisites: BIOL 4055.

BIOL 4460 Geographic Info Systems
This course will explore fundamental concepts of geographic information technologies with a focus on applications within the geosciences and natural sciences in general. Students will be exposed to the power of geographic information systems to elucidate complex problems. (Cross-listed with GEOL 4460 and BIOL 5460)
Prerequisites: Senior standing.

BIOL 4470 Developmental Biology
A study of the molecular and cellular events that lead to the generation of a multicellular organism from a fertilized egg. Emphasis on cell differentiation, development of an entire organism from a single cell involving several stages of differentiation and cell interaction. The course will investigate the cellular and molecular processes involved in generating an embryo, in creating various tissues and organs. Laboratory fee applicable.
Prerequisites: BIOL 3413.

BIOL 4471 Current Topics in Biology
A seminar course on topics of current biological interest. May be repeated when topic changes. Laboratory section included and fee applicable.
Prerequisites: Junior standing and permission of instructor.

BIOL 4472 Current Topics in Biology
A seminar course on topics of current biological interest. May be repeated when topic changes. No laboratory section included.
Prerequisites: Junior standing or permission of instructor.

BIOL 4473 Undergraduate Research
A course adapted to the study of special topics in biology. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with the approval of the instructor prior to registration. Course may be repeated but not to exceed eight semester hours for biology majors and not exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Permission of instructor.

BIOL 4475 Evolutionary Dev Biology
The objective of this course is to integrate two disciplines, evolutionary biology and developmental biology into a common framework of genetics. The focus will be on the evolution of developmental genetic pathways in order to explain the evolution of animal development. This course will explore how our growing knowledge of developmental circuits, and their variation, affects our understanding of how organisms evolve.
Prerequisites: BIOL 3413.

CHEM 1101 Supplemental Laboratory
This course allows a transfer student to make up a laboratory deficiency at the introductory level. May be taken only for introductory courses. Laboratory fee applicable.
Prerequisites: Permission of Department Chair.

CHEM 1111 General Chemistry I-Lab
Laboratory course to accompany CHEM 1311. Practical exercises reinforce CHEM 1311. Topics include the basic principles of nomenclature, atomic structure, bonding, thermodynamics, chemical reaction, and stoichiometry. Must be taken concurrently with CHEM 1311. Laboratory fee applicable.
Prerequisites: Placement in College Algebra or higher.
TCCN: CHEM 1111
CHEM 1170 Survey of Chemistry Lab  
Laboratory to accompany Survey of Chemistry, CHEM 1370. Not for students majoring or minoring in chemistry or biology. Fulfills the laboratory science core curriculum requirement. Must be taken concurrently with CHEM 1370. Laboratory fee applicable.  
TCCN: CHEM 1105

CHEM 1311 General Chemistry I  
Covers the basic principles of nomenclature, atomic structure, bonding, thermodynamics, chemical reaction, and stoichiometry. The first half of a two-semester course. Must be taken concurrently with CHEM 1111.  
Prerequisites: Placement in College Algebra or higher.  
TCCN: CHEM 1311

CHEM 1370 Survey of Chemistry  
An introduction to Chemistry and its relationship to society and the environment. Molecules that control daily life are explored via a conceptual approach. Not for students majoring or minoring in chemistry or biology. Fulfills the laboratory science core curriculum requirement. Must be taken concurrently with CHEM 1170.  
TCCN: CHEM 1305

CHEM 1412 General Chemistry II  
Covers gas laws, thermodynamics, kinetics and electrochemistry. The second half of a two-semester course. Three hours of laboratory per week. Laboratory fee applicable.  
Prerequisites: CHEM 1411 or CHEM 1311/1111.  
TCCN: CHEM 1412

CHEM 2423 Organic Chemistry I  
Offers an introduction to organic chemistry. Covers basic nomenclature, spectroscopy, structure and functional groups of organic molecules. A variety of organic reactions are discussed in terms of basic thermodynamics, structure, kinetics, and resonance theory. The first half of a two-semester course. Three hours of laboratory per week. Laboratory fee applicable.  
Prerequisites: CHEM 1412.  
TCCN: CHEM 2423

CHEM 2425 Organic Chemistry II  
Emphasizes the importance of functional groups in organic molecules, particularly in relation to their reaction mechanisms. Covers structure, reactivity and nomenclature of important organic compounds such as aldehydes, ketones, carboxylic acids, esters, amines, amides, phenols, heterocycles, carbohydrates, proteins, and nucleic acids. Second half of a two-semester course. Three hours of laboratory per week. Laboratory fee applicable.  
Prerequisites: CHEM 2423.  
TCCN: CHEM 2425

CHEM 3400 Environmental Chemistry  
A course that develops quantitative analytical techniques for monitoring and assessing toxins and pollutants in the environment. Three hours of laboratory per week. Laboratory fee applicable.  
Prerequisites: CHEM 1311, 1111 and CHEM 2423.

CHEM 3405 Analytical Chemistry  
Laboratory fee applicable. The principles and theories of modern instrumentation examined through topics selected from electrochemistry, spectroscopy, and chromatography. Three hours of laboratory per week. Laboratory fee applicable.  
Prerequisites: CHEM 1412.

CHEM 3406 Analytical Chemistry II  
A study of theory and application of modern instrumental methods of analysis, including UV-VIS, FT-IR, GC, NMR and potentiometric methods of titrimetric. Environmental analysis will be included. Laboratory fee applicable.  
Prerequisites: CHEM 1411, CHEM 1412.

CHEM 3431 Physical Chemistry I  
An understanding of chemical thermodynamics, equilibrium and electrochemistry will be developed. The first half of a two-semester course. Three hours of laboratory per week. Lab fee applicable.  
Prerequisites: MATH 2413, CHEM 1412, and PHYS 1302 and PHYS 1102 or PHYS 2326 and PHYS 2126.

CHEM 3432 Physical Chemistry II  
An understanding of chemical kinetics, quantum mechanics, statistical mechanics and photochemistry will be examined. The second half of a two-semester course. Three hours of laboratory per week. Laboratory fee applicable.  
Prerequisites: CHEM 3431.

CHEM 3451 Biochemistry I  
A study of the current chemical literature and the discussion of research in progress. May be repeated when topic changes. Required for all chemistry majors in their junior or senior year.  
Prerequisites: CHEM 3431.

CHEM 4198 Investigations in Chemistry  
Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Course may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four hours for all other students. Laboratory fee applicable.  
Prerequisites: Junior or senior standing and permission of instructor.

CHEM 4199 Special Topics in Chemistry  
A course involving instruction, laboratory, and/or literature searches in one of the traditional chemistry fields depending on student interest and specialty of instructor. The following topics may be chosen/ offered Bioinorganic Chemistry, Transition Metal Chemistry, Solid State Chemistry, Advanced Topics in Organic Chemistry, Statistical Mechanics, and Advanced Topics in Analytical Chemistry. May be repeated for credit when topic changes. (Formerly CHEM 4399).  
Prerequisites: Senior standing and permission of instructor.

CHEM 4298 Investigations in Chemistry  
Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Course may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four hours for all other students. Laboratory fee applicable.  
Prerequisites: Junior or senior standing and permission of instructor.
CHEM 4299 Special Topics in Chemistry
A course involving instruction, laboratory, and/or literature searches in one of the traditional chemistry fields depending on student interest and specialty of instructor. The following topics may be chosen/offered Bioinorganic Chemistry, Transition Metal Chemistry, Solid State Chemistry, Advanced Topics in Organic Chemistry, Statistical Mechanics, and Advanced Topics in Analytical Chemistry. May be repeated for credit when topic changes. (Formerly CHEM 4399).
Prerequisites: Senior standing and permission of instructor.

CHEM 4398 Investigations in Chemistry
Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Course may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Junior or senior standing and permission of instructor.

CHEM 4399 Special Topics in Chemistry
A course involving instruction, laboratory, and/or literature searches in one of the traditional chemistry fields depending on student interest and specialty of instructor. The following topics may be chosen/offered Bioinorganic Chemistry, Transition Metal Chemistry, Solid State Chemistry, Advanced Topics in Organic Chemistry, Statistical Mechanics, and Advanced Topics in Analytical Chemistry. May be repeated for credit when topic changes. (Formerly CHEM 4399).
Prerequisites: Senior standing and permission of instructor.

CHEM 4409 Molecular Sys Biol&Chem Gens
A course dedicated to the discussion of current approaches to study "Omics" or systems biology, and the impact of chemical genetics in understanding how to activate or inactivate gene products as a way to determine the cellular function of proteins. The course covers topics at the molecular level, including research in the evolving areas of genomics, proteomics, metabolomics, bioinformatics, microbial systems, and the integration of cell signaling and regulatory networks. Laboratory fee applicable. (Cross-listed with BIOL 4409 and BIOL 5409)
Prerequisites: Permission of instructor.

CHEM 4410 Advanced Environmental Chem
A course that develops quantitative analytical techniques and methods for monitoring and assessing atmospheric chemical phenomena. Geochemical, atmospheric, hydrosphere and biosphere phenomena in the form of toxins and pollutants will be studied. Environmental cleanup technologies and environmental health management will be investigated. Laboratory fee applicable.
Prerequisites: Senior standing.

CHEM 4411 Inorganic Chemistry
This course covers the periodic table and trends within it, focusing on metals, ionic compounds, molecular compounds, organometallic complexes, and coordination complexes. Models of chemical bonding will be compared for each class of substance. Special topics such as biorganic chemistry, nanotechnology and superconductors will be included. Three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: CHEM 1412.

CHEM 4431 Advanced Organic Chemistry I
A course that develops the understanding of organic chemistry through mechanistic theory, chemical synthesis and spectroscopic methods. An emphasis on specific reactions, synthetic methods, and mechanisms of reactions will be investigated. Laboratory fee applicable.
Prerequisites: Senior standing.

CHEM 4451 Polymer Chemistry
A course that develops the understanding of kinetic, synthetic structural and applied aspects of modern polymer chemistry. The course also develops the understanding of polymeric science in industry and materials science and technology. An understanding of mechanistic theory, synthesis using specific reactions and spectroscopic methods of polymers and macromolecules will also be emphasized. Laboratory fee applicable.
Prerequisites: CHEM 2425.

CHEM 4452 Biochemistry II
A detailed study, using primary literature sources, of carbohydrates, amino acids, nucleic acids, and lipid metabolic pathways. Special attention is given to human metabolism in health and disease. Cross-listed with BIOL 4452.
Prerequisites: BIOL 3451 or CHEM 3451 with C or better, or permission of instructor.

CHEM 4498 Investigations in Chemistry
Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Course may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Junior or senior standing and permission of instructor.

CHEM 4499 Special Topics in Chemistry
A course involving instruction, laboratory, and/or literature searches in one of the traditional chemistry fields depending on student interest and specialty of instructor. The following topics may be chosen/offered Bioinorganic Chemistry, Transition Metal Chemistry, Solid State Chemistry, Advanced Topics in Organic Chemistry, Statistical Mechanics, and Advanced Topics in Analytical Chemistry. May be repeated for credit when topic changes. (Formerly CHEM 4399).
Prerequisites: Senior standing and permission of instructor.

ENSC 1101 Intro to Environmental Sys Lab
An introductory laboratory course for majors and non-majors that emphasizes the principles of environmental science. Students will conduct observational and manipulative experiments that examine effects of environmental factors on the biology and ecology of an ecosystem. The course will also involve discussions of case studies in environmental sustainability. Must be taken concurrently with ENSC 1301.
TCCN: ENVR 1101

ENSC 1301 Intro to Environmental Syst
An introductory course for majors and non-majors that applies the principles of the scientific method and critical thinking to environmental issues through a multidisciplinary approach. Students will gain an understanding of biotic interactions in environmental systems and the human impact as it relates to public policy and natural resource use. The course will focus on environmental sustainability and the ecological principles essential to understanding processes in environmental systems. This course is a prerequisite for ENSC/BIOL 3401 and must be taken concurrently with ENSC 1101.
TCCN: ENVR 1301
ENSC 3310 Environmental/Natural Res Con
Principles of ecology and resource management. The course outlines many of the national and international environmental problems and offers legislative, technological and methodological solutions to these problems.
Prerequisites: ENSC 3401.

ENSC 3340 Environmental Reg & Policies
A study of American Environmental Regulations. Topics include Clean Water Act, RCRA, UST, CERCLA, EPCRA, NEPA, TSCA, OSHA, FIFRA. Will include site visits.

ENSC 3401 Environmental Sciences
An interdisciplinary course including the following topics: ecosystems, population dynamics, flow of energy, solid wastes, control of weeds and pests, environment and human health and anthropogenic effects on the environment. Lab fee: $27.25 (Cross-listed with BIOL 3401)
Prerequisites: Eight hours of major’s biology or permission of instructor.

ENSC 4170 Senior Seminar
A discussion of research and current topics in environmental sciences. Required of environmental sciences minors in their senior year.

ENSC 4173 Undergraduate Research
A course adapted to the study of special topics in environmental sciences. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with approval of the instructor prior to registration. Lab fee: $27.25.
Prerequisites: Permission of instructor.

ENSC 4273 Undergraduate Research
A course adapted to the study of special topics in environmental sciences. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with approval of the instructor prior to registration. Lab fee: $27.25.
Prerequisites: Permission of instructor.

ENSC 4320 Environmental Microbiology
An overview of the relationship between microbial metabolism, physiology, and the environment. The application of modern microbiological concepts to address and solve current environmental problems is emphasized. Topics include air, water and soil microbiology, geochanical activities of microbes, biotransformations, pollution and abatement using microbes. Lab fee: $27.25. (Cross-listed with BIOL 4320)
Prerequisites: BIOL 2421 or permission of instructor.

ENSC 4340 Environmental Reg & Policies
A study of American Environmental Regulations. Topics include Clean Water Act, RCRA, UST, CERCLA, EPCRA, NEPA, TSCA, OSHA, FIFRA. Will include site visits.

ENSC 4410 Environmental Toxicology
The course serves to provide an introduction to environmental poisons. Topics include general principles of toxicology, biotransformations, testing procedures, target organs, toxic substances and risk assessment including the toxicity of metals and pesticides. Lab fee: $27.25. (Formerly ENSC 4310)
Prerequisites: Twelve hours of biology and/or environmental sciences or permission of instructor.

ENSC 4420 Environmental Microbiology
An overview of the relationship between microbial metabolism, physiology, and the environment. The application of modern microbiological concepts to address and solve current environmental problems is emphasized. Topics include air, water and soil microbiology, geochanical activities of microbes, biotransformations, pollution and abatement using microbes. Lab fee: $27.25. (Cross-listed with BIOL 4420)
Prerequisites: BIOL 2421 or permission of instructor.

ENSC 4430 Limnology
Study of the structure and function of inland waters, ecology of freshwater systems such as lakes, ponds, rivers, and streams. Topics include physical and chemical properties of freshwater, habitats, biotic composition, productivity, water use. Lab fee: $27.25. (Cross-listed with BIOL 4430)
Prerequisites: BIOL 3410 or permission of instructor.

ENSC 4473 Undergraduate Research
A course adapted to the study of special topics in environmental sciences. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with approval of the instructor prior to registration. Lab fee: $27.25.
Prerequisites: Permission of instructor.

NSCI 3301 Current Topics in Science
A survey of the fields of life science, earth science, and physical science. For preparation of students seeking certification in education (K-8). Prerequisites: Junior standing and BIOL 1370/1170, EPSC 1370/1170, PHYS 1370/1170.

Bachelor of Arts with a Major in Biology (BA)

Degree Requirements
Hours Required
125 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
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<tr>
<td>Math Elective</td>
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MATH 1342  Introductory Statistics  3
Select 1 SCH surplus from core  1

Major

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
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<tbody>
<tr>
<td>BIOL 1306 &amp; 1106</td>
<td>Principles of Biology I and Principles of Biology I-Lab (taken as part of the core)</td>
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Select 8 SCH from the following:  8

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1311 &amp; 1111</td>
<td>Principles of Biology II and Principles of Biology II-Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1413</td>
<td>Principles of Biology III</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 2421</td>
<td>General Microbiology</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 3410</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3413</td>
<td>Intro to Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4170</td>
<td>Biology Seminar</td>
<td>1</td>
</tr>
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</table>

Advanced Biology electives  24

Select 24 SCH from the following:  24

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
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<tbody>
<tr>
<td>BIOL - Biology Elective</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1123</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1301</td>
<td>Pre-Calculus</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2412</td>
<td>Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Minor

Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences  18

Supporting Sciences Curriculum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1311</td>
<td>General Chemistry I (taken as part of the core)</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1111</td>
<td>General Chemistry I-Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2425</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1301 &amp; 1101</td>
<td>General Physics I and General Physics I Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

General Elective

Select 3 SCH at any level. PHYS 1302 recommended for students applying for medical school or other advanced programs requiring physics. PHYS 1102, the co-requisite lab, will be outside the degree program  3

Total Semester Credit Hours  125

* For Chemistry minors, CHEM 2423 will count in the minor and not the supporting sciences. The supporting course (4 SCH) will be replaced with the third course from biology electives (BIOL 1311/1111 and BIOL 2421) or an additional upper-level (3000-4000) chemistry course.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1306</td>
<td>Principles of Biology I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1106</td>
<td>Principles of Biology I-Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1311</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1111</td>
<td>General Chemistry I-Lab</td>
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<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
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</table>

Semester Credit Hours  16

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
<td>3</td>
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Semester Credit Hours  14

Sophomore

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
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<tbody>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1123</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
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<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
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<tr>
<td>MATH 2412</td>
<td>Pre-Calculus</td>
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Semester Credit Hours  18

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHEM 2425</td>
<td>Organic Chemistry II</td>
<td>4</td>
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<tr>
<td>MATH 1342</td>
<td>Introductory Statistics</td>
<td>3</td>
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<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>Soc/Behavioral Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
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<td>3</td>
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</table>

Semester Credit Hours  16

Junior

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 3410</td>
<td>Intro to Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4170</td>
<td>Biology Seminar</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 1301</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1101</td>
<td>General Physics I Lab</td>
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<tr>
<td>Minor/General Elective</td>
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<tr>
<td>Creative Arts</td>
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Semester Credit Hours  15

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BIOL 3410</td>
<td>Ecology</td>
<td>4</td>
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<tr>
<td>BIOL - Advanced Biology Elec</td>
<td></td>
<td>4</td>
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<tr>
<td>General Elective</td>
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<td>3</td>
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<tr>
<td>Minor/General Elective</td>
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</table>

Semester Credit Hours  14
Senior

Fall
- BIOL - Advanced Biology Elec 4
- BIOL - Advanced Biology Elec 4
- Adv Minor/General Elective 3
- Adv Minor/General Elective 3
- Adv Minor/General Elective 3

Semester Credit Hours 17

Spring
- BIOL - Advanced Biology Elec 4
- BIOL - Advanced Biology Elec 4
- BIOL - Advanced Biology Elec 4
- Adv Minor/General Elective 3

Semester Credit Hours 15

Total Semester Credit Hours 125

1 Biology electives, select 8 SCH from BIOL 1311 and BIOL 1111, BIOL 1413 or BIOL 2421.

2 Advanced Biology electives, select 24 SCH from any additional BIOL course at the 3000-4000 level or from any ENSC course at the 3000-4000 level except ENSC 4340. BIOL 4173-4473 may be repeated for up to 8 SCH for credit within the degree.

3 General elective, 3 SCH at any level. PHYS 1302 recommended for students applying for medical school or other advanced programs requiring physics. PHYS 1102, the co-requisite lab, will be outside the degree program.

*** For Chemistry minors, CHEM 2423 will count in the minor and not the supporting sciences. The supporting course (4 SCH) will be replaced with the third course from biology electives (BIOL 1311/BIOL 1111, BIOL 1413, and BIOL 2421) or an additional upper-level (3000-4000) chemistry course.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

Bachelor of Science with a Major in Biology (BS)

Degree Requirements

Hours Required
124 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

Code  Title  Semester Credit Hours

[University Core Curriculum] (p. 436)
Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation" 42

Math Elective
MATH 1342  Introductory Statistics 3

Select 1 SCH surplus credit from core 1

Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1306</td>
<td>Principles of Biology I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; BIOL 1106</td>
<td>Principles of Biology I-Lab (taken as part of the core)</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1311</td>
<td>Principles of Biology II (taken as part of the core)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1111</td>
<td>Principles of Biology II-Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1413</td>
<td>Principles of Biology III</td>
<td>4</td>
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<tr>
<td>BIOL 2421</td>
<td>General Microbiology</td>
<td>4</td>
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<tr>
<td>BIOL 3406</td>
<td>Evolution</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3410</td>
<td>Ecology</td>
<td>4</td>
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<tr>
<td>BIOL 3412</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3413</td>
<td>Intro to Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4170</td>
<td>Biology Seminar</td>
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</tr>
</tbody>
</table>

Additional Requirements

Select 22 SCH from the following from any additional BIOL course at the 3000-4000 level or from any ENSC course at the 3000-4000 level, except ENSC 4340. BIOL 4173-BIOL 4473 may be repeated for up to 8 SCH of credit within the degree program.

Supporting Sciences Curriculum

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
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</tr>
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<td>CHEM 1111</td>
<td>General Chemistry I-Lab</td>
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<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
<td>4</td>
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<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2425</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1301</td>
<td>General Physics I</td>
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<tr>
<td>PHYS 1101</td>
<td>General Physics I Lab</td>
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<tr>
<td>PHYS 1302</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1102</td>
<td>General Physics II Lab</td>
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</tr>
</tbody>
</table>

Electives

Select 6 SCH at the 3000-4000 level 6

Total Semester Credit Hours 124

* BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)
<table>
<thead>
<tr>
<th>Code</th>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>CHEM 1311</td>
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<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
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</tr>
<tr>
<td>MATH 2412</td>
<td>Pre-Calculus</td>
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<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
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<td>Semester Credit Hours</td>
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<td></td>
<td><strong>Spring</strong></td>
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</tr>
<tr>
<td>BIOL 1111</td>
<td>Principles of Biology II-Lab</td>
<td>1</td>
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<tr>
<td>BIOL 1311</td>
<td>Principles of Biology II</td>
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<td>CHEM 1412</td>
<td>General Chemistry II</td>
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<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
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<td>UNIV 1302</td>
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<td>Organic Chemistry I</td>
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<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1342</td>
<td>Introductory Statistics</td>
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<td>BIOL 2421</td>
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<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
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<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
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</tr>
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<td></td>
<td>Semester Credit Hours</td>
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<tr>
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<tr>
<td>BIOL 3413</td>
<td>Intro to Genetics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1301</td>
<td>General Physics I</td>
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<td>PHYS 1101</td>
<td>General Physics Lab</td>
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<tr>
<td>Creative Arts</td>
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<td></td>
<td><strong>Spring</strong></td>
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<tr>
<td>BIOL 3410</td>
<td>Ecology</td>
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<tr>
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<td>Soc/Behavioral Science</td>
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</tr>
<tr>
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**Advanced Elective** 3

**Spring**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BIOL 4170</td>
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<td>BIOL - Restricted Biology Elec</td>
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<td>BIOL - Restricted Biology Elec</td>
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<tr>
<td>Advanced Elective</td>
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<td><strong>Total Semester Credit Hours</strong></td>
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</table>

BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.

**Bachelor of Science with a Major in Chemistry (BS)**

**Degree Requirements**

**Hours Required**

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
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<td>[University Core Curriculum] (p. 436)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
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<tr>
<td>Math Elective</td>
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<tr>
<td>MATH 2414</td>
<td>Calculus II</td>
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</tr>
<tr>
<td>MATH 3330</td>
<td>Ordinary Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select 1 SCH surplus from core</td>
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**Major**

<table>
<thead>
<tr>
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<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
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<tr>
<td>CHEM 1311</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 1111</td>
<td>General Chemistry I-Lab</td>
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</tr>
<tr>
<td></td>
<td>and General Chemistry I-Lab (take as part of the core)</td>
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</tr>
<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2425</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3405</td>
<td>Analytical Chemistry</td>
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</tr>
<tr>
<td>CHEM 3431</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3451</td>
<td>Biochemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 4120</td>
<td>Chemistry Seminar (taken twice)</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 4198</td>
<td>Investigations in Chemistry</td>
<td>1</td>
</tr>
</tbody>
</table>

Some courses may require prerequisites not listed.
CHEM 4411  Inorganic Chemistry  4
Select 12 SCH from any additional CHEM course at the 3000-4000 level  12

Minor
Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences  18

Supporting Sciences
PHYS 1301  General Physics I  4
& PHYS 1101  and General Physics I Lab  1
or PHYS 2325/2125  University Physics I  4

PHYS 1302  General Physics II  4
& PHYS 1102  and General Physics II Lab  1
or PHYS 2326/2126  University Physics II  4

BIOL 1106  Principles of Biology I-Lab  1
BIOL 1306  Principles of Biology I (taken as part of the core.)  1

Total Semester Credit Hours  120

*  CHEM 4120 may be repeated for up to 2 SCH of credit within the degree program. CHEM 4198-CHEM 4498 may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four semester hours for all other students.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall
BIOL 1306  Principles of Biology I  3
BIOL 1106  Principles of Biology I-Lab  1
CHEM 1311  General Chemistry I  3
CHEM 1111  General Chemistry I-Lab  1
ENGL 1301  English Composition I  3
HIST 1301  The US to 1877  3
UNIV 1201  Learn a Global Context I  2
Semester Credit Hours  16

Spring
CHEM 1412  General Chemistry II  4
ENGL 1302  English Composition II  3
MATH 2413  Calculus I  4

Sophomore

Fall
CHEM 2423  Organic Chemistry I  4
PHYS 1301  General Physics I  3
or PHYS 2325  University Physics I  3
PHYS 1101  General Physics I Lab  1
or PHYS 2125  University Physics I Lab  1
HIST 1302  The US Since 1877  3
PSCI 2305  American National Government  3
Social/Behavioral Science  3
Semester Credit Hours  17

Spring
CHEM 2425  Organic Chemistry II  4
PHYS 1302  General Physics II  3
or PHYS 2326  University Physics II  3
PHYS 1102  General Physics II Lab  1
or PHYS 2126  University Physics II Lab  1
MATH 2414  Calculus II  4
PSCI 2306  American State Government  3
Semester Credit Hours  15

Junior

Fall
CHEM 3405  Analytical Chemistry  4
CHEM 3451  Biochemistry I  4
Creative Arts  3
Minor Elective  3
Semester Credit Hours  14

Spring
CHEM 4198  Investigations in Chemistry  1
CHEM - Advanced Chemistry Elective  4
MATH 3330  Ordinary Diff Equations  3
Minor Elective  3
Language, Philosophy & Culture  3
Semester Credit Hours  14

Senior

Fall
CHEM 3431  Physical Chemistry I  4
CHEM 4120  Chemistry Seminar  1
CHEM 4411  Inorganic Chemistry  4
Advance Minor Elective  3
Advance Minor Elective  3
Semester Credit Hours  15

Spring
CHEM 4120  Chemistry Seminar  1
CHEM - Advanced Chemistry Elective  4
CHEM - Advanced Chemistry Elective  4
Advance Minor Elective  3
Bachelor of Science with a Major in Science with Grades 7-12 Certification (BS)

Degree Requirements

Hours Required

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td>Math</td>
<td>MATH 1342 Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select 1 SCH excess from core</td>
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</tr>
<tr>
<td>Major</td>
<td>BIOL 1306 Principles of Biology I</td>
<td>3</td>
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<tr>
<td></td>
<td>BIOL 1106 Principles of Biology I-Lab (taken as part of the core)</td>
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<tr>
<td></td>
<td>CHEM 1311 General Chemistry I (taken as part of the core)</td>
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<tr>
<td>Earth</td>
<td>GEOL 1303 Intro to Physical Geology</td>
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<td>GEOL 1103 Intro to Physical Geology Lab</td>
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<tr>
<td>Life Science</td>
<td>Select 4 SCH from the following:</td>
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<tr>
<td></td>
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<td>BIOL 1413 Principles of Biology III</td>
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<td>BIOL 2421 General Microbiology</td>
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<td>BIOL 3406 Evolution</td>
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<td>BIOL 3410 Ecology</td>
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<td>BIOL 3412 Cell Biology</td>
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<td>BIOL 3413 Intro to Genetics</td>
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<td>Physical Science</td>
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<td>PHYS 1301 General Physics I</td>
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<td>&amp; PHYS 1101 General Physics I Lab</td>
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<td>PHYS 1302 General Physics II</td>
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</tr>
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<td></td>
<td>&amp; PHYS 1102 General Physics II Lab</td>
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<td>Chemical Science</td>
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<td>CHEM 1111 General Chemistry I-Lab</td>
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<td>CHEM 1412 General Chemistry II</td>
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<td>CHEM 2423 Organic Chemistry I</td>
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<td></td>
<td>Additional Requirement</td>
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<tr>
<td>Support Area</td>
<td>EDRD 3320 Content Reading-WIN</td>
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</tbody>
</table>

Total Semester Credit Hours: 120

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 1306 Principles of Biology I</td>
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<td>BIOL 1106 Principles of Biology I-Lab</td>
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<td>CHEM 1311 General Chemistry I</td>
<td>3</td>
</tr>
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<td>CHEM 1111 General Chemistry I-Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 1301 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301 The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305 American National Government</td>
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<tr>
<td>UNIV 1201 Learn a Global Context I</td>
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Spring

<table>
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<tbody>
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</tbody>
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<p>| BIOL - Biology Elective | 4                     |
| CHEM 1412 General Chemistry II | 4                     |
| EDCI 1102 Intro to Teaching Profession | 1                     |
| MATH 2412 Pre-Calculus | 4                     |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td></td>
<td>Semester Credit Hours</td>
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**Sophomore**

**Fall**

- CHEM 2423 Organic Chemistry I 4
- EDCI 2224 Cultural Foundations of Ed 2
- HIST 1302 The US Since 1877 3
- PHYS 1301 General Physics I 3
- PHYS 1101 General Physics I Lab 1
- PSYC 2314 Lifespan Growth & Development 3

|        | Semester Credit Hours                            | 16                    |

**Spring**

- MATH 1342 Introductory Statistics 3
- PHYS 1302 General Physics II 3
- PHYS 1102 General Physics II Lab 1
- EDCI 3200 Survey of Content Know & Exper 2
- PSCI 2306 American State Government 3
- ENGL 1302 English Composition II 3

|        | Semester Credit Hours                            | 15                    |

**Junior**

**Fall**

- BIOL 3413 Intro to Genetics 4
- EDCI 3301 Assessment for Instruct Design 3
- EDCI 3302 Teaching Eng Lang Learners 3
- GEOL 1303 Intro to Physical Geology 3
- GEOL 1103 Intro to Physical Geology Lab 1
- Language, Philosophy & Culture 3

|        | Semester Credit Hours                            | 17                    |

**Spring**

- BIOL 3410 Ecology 4
- BIOL 3412 Cell Biology 4
- EDRD 3320 Content Reading-WIN 3
- Creative Arts 3

|        | Semester Credit Hours                            | 14                    |

**Senior**

**Fall**

- BIOL 3406 Evolution 4
- EDCI 3315 Impl Eff Inst Strat Div Lmrs 3
- EDCI 4310 Engaging Learners 3

|        | Semester Credit Hours                            | 14                    |

**Spring**

- EDCI 4693 Clinical Teaching 6
- EDSE 4350 Inc Pract Ch&Eth W/Disabilties 3

|        | Semester Credit Hours                            | 9                     |

|        | Total Semester Credit Hours                       | 120                   |

* Students must apply for admission to the College of Education while enrolled in EDCI 3200. Students are admitted to student teaching only after passing the certification exam to teach secondary science.

**Actual degree plans may vary depending on availability of courses in a given semester.**

*Some courses may require prerequisites not listed.*

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**Biology Minor**

**Minor Curriculum - Biology**

See attached file.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1311</td>
<td>Principles of Biology II</td>
<td></td>
</tr>
<tr>
<td>BIOL 1413</td>
<td>Principles of Biology III</td>
<td></td>
</tr>
<tr>
<td>BIOL 2421</td>
<td>General Microbiology</td>
<td></td>
</tr>
</tbody>
</table>

**Select 4hrs from the following lower division courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>BIOL 1413</td>
<td>Principles of Biology III</td>
<td></td>
</tr>
<tr>
<td>BIOL 2421</td>
<td>General Microbiology</td>
<td></td>
</tr>
</tbody>
</table>

**Required Research Hours**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4173 - BIOL 4273</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Upper-Division Courses**

Select 12 SCH from the following:

- Biology or Environmental Science 3000-4000 level electives, excluding ENSC 3340 and additional hours of BIOL 4173-BIOL 4473.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1306</td>
<td>Principles of Biology II</td>
<td></td>
</tr>
<tr>
<td>BIOL 1106</td>
<td>Principles of Biology II</td>
<td></td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**

|        | Total Semester Credit Hours                       | 18                    |

**Chemistry Minor**

**Minor Curriculum - Chemistry**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td></td>
</tr>
</tbody>
</table>

**Required Lower Division Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3400</td>
<td>Environmental Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 3405</td>
<td>Analytical Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 3406</td>
<td>Analytical Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 3431</td>
<td>Physical Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM 3432</td>
<td>Physical Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 3451</td>
<td>Biochemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM 4120</td>
<td>Chemistry Seminar</td>
<td></td>
</tr>
<tr>
<td>CHEM 4199- CHEM 4498</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select fourteen hours from the following:

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<tbody>
<tr>
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<tr>
<td>CHEM 3405</td>
<td>Analytical Chemistry</td>
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<td>Chemistry Seminar</td>
<td></td>
</tr>
<tr>
<td>CHEM 4199- CHEM 4498</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CHEM 4409 Molecular Sys Biol & Chem Gens
CHEM 4411 Inorganic Chemistry
CHEM 4452 Biochemistry II

Total Semester Credit Hours 18

1 Investigations in Chemistry can be taken for a maximum of 4 SCH.

Environmental Science Minor

Minor Curriculum - Environmental SCIENCE

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 1305 &amp; GEOL 1105</td>
<td>Environmental Geology and Environmental Geology Lab</td>
<td>4</td>
</tr>
<tr>
<td>EPSC 2301 &amp; EPSC 2101</td>
<td>Atmospheric Science and Atmospheric Science-Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

Required Lower Division Courses

Select one from the following:

- BIOL 3410 Ecology
- ENSC 3401 Environmental Sciences

Select ten hours from the following:

- BIOL 3414 Invertebrate Zoology
- ENSC 3310 Environmental/Natural Res Con
- ENSC 4170 Senior Seminar
- ENSC 4340 Environmental Reg & Policies
- ENSC 4410 Environmental Toxicology
- ENSC 4420 Environmental Microbiology
- ENSC 4430 Limnology
- ENSC 4173-ENSC 4473 Environmental Science

Total Semester Credit Hours 18

1 Biology majors must take four additional SCH of upper division biology excluding Ecology when used in the minor.

2 Undergraduate Research can be taken for a maximum of 4 SCH.

Engineering

Degrees

Major

- Bachelor of Science with a major in Computer Engineering (BS) (p. 97)
- Bachelor of Science with a major in Petroleum Engineering (BS) (p. 99)

Courses

COSC 1136 Funds of Programming Lab
Laboratory course to accompany COSC 1336. Laboratory exercises reinforce the particular paradigms that are stressed in COSC 1336. Students will develop and run functional programs that solve elementary algorithmic problems. Students will also gain experience with compiling, finding, correcting syntax errors, and executing programs. This course places importance on scientific communication and collaboration methods.
Corequisites: COSC 1336.

COSC 1337 Object-Oriented Program Lab
Laboratory course to accompany COSC 1337. Laboratory exercises reinforce the particular paradigms that are stressed in COSC 1337. Students will develop programs in an object-oriented programming language by practicing the use of a variety of abstract data types and data structures. Students will also gain experience on using advanced design tools and the skills to analyze, debug and correct errors in programs. This course places importance on scientific communication and collaboration methods.
Prerequisites: COSC 1336.
Corequisites: COSC 1337.

COSC 1336 Fundamentals of Programming
Introduces the fundamental concepts of a high-level programming language and provides a comprehensive introduction to programming for STEM majors. Topics include data types, flow of control, functions, I/O streams, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. This course is included in the Field of Study Curriculum for Systems Engineering and Mathematics.
Corequisite: COSC 1136.
TCRN: COSC 1315

COSC 1337 Object Oriented Programming
A continuation of COSC 1336. Emphasis is placed upon applying the object-oriented paradigms to develop the skills in data abstraction and object design where language features, essential programming techniques, and design guidelines are presented from a unified point of view.
Prerequisites: COSC 1336.
Corequisites: COSC 1136.

Texas A&M International University 2021-2022 Catalog
COSC 2301 Fundamentals of Comp Sci
Introduces fundamental concepts of programming from algorithmic and object-oriented perspectives. Topics include the range of introductory algorithmic concepts and constructs, simple data types, control structures, and introduction to array and string data structures, as well as debugging techniques and the social implications of computing. Emphasizes good software engineering principles and developing fundamental programming skills both in a language independent manner and in the context of a language that supports the object-oriented paradigm. High school BCIS is encouraged. Students should have sufficient abilities in high school mathematics.
Prerequisites: No programming or computer science experience is required.

COSC 2330 Digital Logic Design
Hardware implementation of arithmetic and logical functions, organization and design of digital systems.

COSC 3301 Algorithms & Data Structures
Builds on the foundation provided by COSC 1136/1336 and COSC 1137/1337 with an increased emphasis on algorithms, data structures, and software engineering. The treatment of programming concepts will be both in terms of the object-oriented paradigm as well as independent of any programming language.
Prerequisites: COSC 1137 and COSC 1337.

COSC 3310 Algorithm Design & Analysis
Introduces formal techniques to support the design and analysis of algorithms focusing on both the underlying mathematical theory and practical considerations of efficiency. Topics include asymptotic complexity bounds, techniques of analysis, algorithmic strategies, and an introduction to automata theory and its application to language translation.
Prerequisites: COSC 3301 and MATH 3365.

COSC 3320 Computer Architecture
Introduces the organization and architecture of computer systems, beginning with the standard von Neumann model and then moving forward to more recent architectural concepts.
Prerequisites: COSC 3301.

COSC 3326 Operating Systems & Networking
Introduces the fundamentals of operating systems together with those of networking and communications.
Prerequisites: COSC 3301 and MATH 3365.

COSC 3340 Microprocessor Systems
Basic computer structure, the instruction set, addressing modes, assembly language programming, assembly language subroutines, arithmetic operations, programming in C, implementation of C procedures, elementary data structures, input and output and a survey of microprocessor design.
Prerequisites: COSC 2330.

COSC 3350 Human Computer Interaction
Presents a comprehensive introduction to the principles and techniques of human-computer interaction.
Prerequisites: COSC 3301 and MATH 3365.

COSC 3370 Databases
Introduces the concepts and techniques and database systems. Topics include information models and systems; database systems; data modeling to include conceptual, object-oriented and relational data models; relational databases; database query languages to include SQL and OQL; relational database design; transaction processing; distributed databases; and physical database design.
Prerequisites: COSC 3301 and MATH 3365.

COSC 3390 Software Development
Provides an intensive implementation-oriented introduction to the software-development techniques used to create medium-scale interactive applications, focusing on the use of large object-oriented libraries to create well-designed graphical use interfaces. Topics include event-driven programming, computer graphics, human-computer interaction (HCI), and graphical user interfaces.
Prerequisites: COSC 3301 and MATH 3365.

COSC 4152 Internship in Computer Science
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a computer science setting. Students will apply analytical and technical knowledge acquired in the program in a real world setting and receive on-the-job training experience.
Seminar and training will be held to discuss field experience from theoretical and applied perspective.
Prerequisites: Permission of the instructor and advisor.

COSC 4252 Internship in Computer Science
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a computer science setting. Students will apply analytical and technical knowledge acquired in the program in a real world setting and receive on-the-job training experience.
Seminar and training will be held to discuss field experience from theoretical and applied perspective.
Prerequisites: Permission of the instructor and advisor.

COSC 4302 Software Engr & Proj Develop II
Continuation of COSC 4301 to work on the software project initiated in the prior semester.
Prerequisites: COSC 4301.

COSC 4310 Computer Security
Theory and practice of computer security. Cryptographic tools used to provide security, such as shared key encryption, public key encryption, key exchange and digital signature, with application to security in computer programs, operating systems, database management systems and networks.
Prerequisites: COSC 3326.

COSC 4320 Programming Languages
Formal definition of programming languages including specification of syntax and semantics. Precedence, infix, prefix and postfix notation. Global properties of algorithmic languages. List processing, string manipulation, data description and simulation languages. Run-time representation of program and data structures.
Prerequisites: COSC 3301.
COSC 4340 Intelligent Systems
Introduction to methods for the analysis and design of intelligent engineering systems. Topics include reinforcement learning, optimal estimation, Bayesian networks, expert systems, neural networks, and genetic algorithms. Applications emphasize control and decision making in engineering, finance, and computer science. Cross listed with SENG 4340.
Prerequisites: SENG 3340.

COSC 4352 Internship in Computer Science
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a computer science setting.
Students will apply analytical and technical knowledge acquired in the program in a real world setting and receive on-the-job training experience.
Seminar and training will be held to discuss field experience from theoretical and applied perspective.
Prerequisites: Permission of the instructor and advisor.

COSC 4385 Special Topics in Comp Science
Topics may be from an area of computer science. May be repeated when topic changes

COSC 4390 Comp Science Senior Dsgn Proj
This capstone course provides students the experience of implementing (including building, testing, and documenting) the approved project in COSC 4301, within budget and on schedule. Requires integration of knowledge from required systems engineering courses. Course requirements include a written report and oral presentation. To be taken during the semester of graduation.
Prerequisites: COSC 4301.

COSC 4395 Undergraduate Research
Students work on a computer science research project. The topic is chosen by the student and approved by the instructor. Course may be repeated under different topic for credit.
Prerequisites: Permission of instructor and department.

COSC 4452 Internship in Computer Science
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a computer science setting.
Students will apply analytical and technical knowledge acquired in the program in a real world setting and receive on-the-job training experience.
Seminar and training will be held to discuss field experience from theoretical and applied perspective.
Prerequisites: Permission of the instructor and advisor.

CSCE 1136 Funds of Programming Lab
Laboratory course to accompany CSCE 1136. Laboratory exercises reinforce the particular paradigms that are stressed in CSCE 1136.
Students will develop and run functional programs that solve elementary algorithmic problems. Students will also gain experience with compiling, finding, correcting syntax errors, and executing programs. This course places importance on scientific communication and collaboration methods.
Corequisites: CSCE 1336.

CSCE 1137 Object-Oriented Program Lab
Laboratory course to accompany CSCE 1337. Laboratory exercises reinforce the particular paradigms that are stressed in CSCE 1337.
Students will develop programs in an object-oriented programming language by practicing the use of a variety of abstract data types and data structures. Students will also gain experience on using advanced design tools and the skills to analyze, debug and correct errors in programs. This course places importance on scientific communication and collaboration methods.
Prerequisites: CSCE 1336 and CSCE 1136.
Corequisites: CSCE 1337.

CSCE 1336 Fundamentals of Programming
Introduces the fundamental concepts of a high-level programming language and provides a comprehensive introduction to programming for STEM majors. Topics include data types, flow of control, functions, I/O streams, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy.
Corequisites: CSCE 1336

CSCE 1337 Object Oriented Programming
A continuation of CSCE 1336. Emphasis is placed upon applying the object-oriented paradigms to develop the skills in data abstraction and object design where language features, essential programming techniques, and design guidelines are presented from a unified point of view.
Prerequisites: CSCE 1136 and CSCE 1336.
Corequisites: CSCE 1137.

CSCE 2330 Digital Logic Design
Hardware implementation of arithmetic and logical functions, organization and design of digital systems.

CSCE 3301 Algorithms & Data Structures
Builds on the foundation provided by CSCE 1336 and CSCE 1337 with an increased emphasis on algorithms, data structures, and software engineering. The treatment of programming concepts will be both in terms of the object-oriented paradigm as well as independent of any programming language.
Prerequisites: CSCE 1137 and CSCE 1337.

CSCE 3314 Electronic Devices & Apps
Theory and application of solid state electronic devices. Physical principles of carrier motion in semiconductors leading to operating principles and circuit models for diodes, bipolar transistors, and field effect transistors. Applying the skills in designing amplifiers and op-amp based circuits.
Prerequisites: ENGR 2305

CSCE 3320 Signals and Systems
Introduction to the continuous-time and discrete-time signals and systems; time domain characterization of linear time-invariant systems; Fourier analysis; filtering; sampling; modulation techniques for communication systems.
Prerequisites: CSCE 2330

CSCE 3326 Operating Systems & Networking
Introduces the fundamentals of operating systems together with those of networking and communications.
Prerequisites: MATH 3365.
CSCE 3340 Microprocessor Systems
Basic computer structure, the instruction set, addressing modes, assembly language programming, assembly language subroutines, arithmetic operations, programming in C, implementation of C procedures, elementary data structures, input and output and a survey of microprocessor based design.
Prerequisites: CSCE 2330

CSCE 3390 Software Development
Provides an intensive implementation-oriented introduction to the software-development techniques used to create medium-scale interactive applications, focusing on the use of large object-oriented libraries to create well-designed graphical user interfaces. Topics include event-driven programming, computer graphics, human-computer interaction (HCI), and graphical user interfaces.
Prerequisites: CSCE 1337, CSCE 1137, and MATH 3365

CSCE 4101 Soft Eng & Proj Develop I Lab
Laboratory course to accompany CSCE 4201. Laboratory exercises help students to gather and document the requirements of the project that is defined in CSCE 4201. Students will also develop and document a design solution for the project. This course places importance on scientific communication and collaboration methods.
Prerequisites: CSCE 3301.
Corequisites: CSCE 4201.

CSCE 4201 Software Engnr&Proj Develop I
Principles of software engineering, design, and their applications in the development of a two-semester software project. Students work in teams to gather projects' requirements, design a solution, and implement their design. The students also practice good project management using state-of-the-art software engineering processes. At the beginning of the first semester, projects are defined by the instructor and their requirements are documented by the teams. The students then work on designing and implementing their solutions in the remaining period of the first semester and the proceeding semester, culminating in a formal presentation of the results at the end of CSCE 4302. This course should be taken the semester preceding CSCE 4302.
Prerequisites: CSCE 3301.
Corequisites: CSCE 4101.

CSCE 4203 Dig Electronic Circuit Design
Theory of digital and electronics circuits. Digital logic families TTL, IIL, ECL, NMOS, CMOS, and GaAs. Large signal models for transistors. The course includes the study of the MOS device, critical interconnect and gate characteristics that determine the performance of VLSI circuits, using CADENCE VLSI tools.
Prerequisites: CSCE 2330 and CSCE 3314

CSCE 4210 Computer Engineering Design
This course emphasizes hardware design and debugging. Topics include combinational and sequential logic design using VHDL based upon PLA/PLD.
Prerequisites: CSCE 2330 and CSCE 3340

CSCE 4214 Data Communication
Introduction to the fundamental concepts of computer communication networks. Topics include the OSI reference model, the physical, data link, network, and transport layers, TCP/IP network topologies, routing and flow control.
Prerequisites: CSCE 2330

CSCE 4220 Programming Languages
The study of programming language design including syntax, semantics, behavior, and implementation issues in imperative, functional, logic, and object-oriented languages. Topics may include type theory, concurrency, data dependency, and nondeterminism.
Prerequisites: CSCE 1337 and CSCE 3301

CSCE 4240 Intro to Unmanned Aerial Vehic
Prerequisites: Senior Standing or approval of instructor.

CSCE 4301 Software Engnr&Proj Develop I
Principles of software engineering, design, and their applications in the development of a two-semester software project. Students work in teams to gather projects' requirements, design a solution, and implement their design. The students also practice good project management using state-of-the-art software engineering processes. At the beginning of the first semester, projects are defined by the instructor and their requirements are documented by the teams. The students then work on designing and implementing their solutions in the remaining period of the first semester and the proceeding semester, culminating in a formal presentation of the results at the end of CSCE 4302. This course should be taken the semester preceding CSCE 4302.
Prerequisites: CSCE 3301.
Corequisites: CSCE 4101.

CSCE 4302 Software Engnr&Proj Develop II
Continuation of CSCE 4301 to work on the software project initiated in the prior semester.
Prerequisites: CSCE 4301

CSCE 4310 Computer Security
Fundamental concepts and principles of computer security, operating system and network security, private key and public key cryptographic algorithms, hash functions, authentication, firewalls and intrusion detection systems, IPSec and VPN, wireless and web security.
Prerequisites: Senior standing or approval of instructor

CSCE 4315 Embedded Systems
Characteristics of embedded systems, microprocessors and microcontrollers, system design, modular programming, interface devices, memory management, interrupts, input/output applications, multitasking, and simulation. Interchangeable with SENG 4315.
Prerequisites: ENGR 2305 and CSCE 1336 or COSC 1336.

CSCE 4320 Computer System Architecture
I/O organization, memory organization including virtual memory, cache memory mapping, pipelining, and multiprocessing, CISC and RISC microprocessors.
Prerequisites: CSCE 2330 and CSCE 3320

CSCE 4350 Comp Approach to Crim Justice
Statistical and algorithmic methods in criminal justice system, predictive policing, sentencing, applications of this approach to real-time risk assessments for bail decisions and tests for discrimination in traffic stops.
Prerequisites: Senior Standing or approval of instructor
CSCE 4390 Comp Eng Senior Design Project
This capstone course provides students the experience of implementing (including building, testing, and documenting) a project, within budget and on schedule. Course requirements include a written report and oral presentation. To be taken during the semester of graduation.
Prerequisites: Senior Standing

CSCE 4395 Undergraduate Research
Students work on a computer engineering research project. The topic is chosen by the student and approved by the instructor.
Prerequisites: Permission of instructor and department

ENGR 1201 Foundations of Engineering I
Introduction to the engineering profession and disciplines; development of skills in problem solving including numbers, units, graphs and error calculation; drawing and design using CAD tools; students work in teams on an engineering design project, including construction, testing and reporting.
Corequisites: MATH 2413.
TCCN: ENGR 1201

ENGR 1202 Foundations of Engineering II
Introduction to engineering ethics and professional responsibilities; development of skills in problem solving, analysis, estimation, design, and teamwork; introduction to systems engineering; computational analysis, computer programming applications. Students work in teams on an engineering design project, including construction, testing, and reporting.
Prerequisites: ENGR 1201 and MATH 2413.

ENGR 1204 Engineering Graphics
Orthographical and isometric drawings. Tolerance, working drawings, three dimensional pictorials, primary and successive auxiliary view and vector graphics. Computer aided design software is used for drawing and development of systems in mechanical, electrical and welding applications.
Prerequisites: ENGR 1201.
TCCN: ENGR 1204

ENGR 1211 Foundations of Engineering I
Introduction to the engineering profession, ethics and disciplines, development of skills in teamwork, problem solving, logic processing, design and drawing; emphasis on computing applications and CAD tools.
Corequisites: MATH 2413.

ENGR 1230 Principles of Innov & Creativ
Introduction to creativity and creative problem solving techniques, innovation strategies, collective thinking in engineering. Students will be able to use a "whole-brain" approach to the study of engineering.

ENGR 2103 Eng Mech Statics & Dynamic Lab
Laboratory course to accompany ENGR 2303. Laboratory exercises reinforce ENGR2303 lecture material and place importance on scientific communication and collaboration.
Corequisites: ENGR 2303.

ENGR 2105 Principles of Elec Engr Lab
Laboratory course to accompany ENGR 2305. Laboratory exercises reinforce ENGR2305 lecture material and place importance on scientific collaboration.
Corequisites: ENGR 2305.
TCCN: ENGR 2105

ENGR 2236 Programming for Engineers
Introduction of the foundation of programming, software engineering, debugging, and using existing computational codes in the context of controlling physical equipment, gathering experimental data, and visualizing results. The course will be taught using suitable programming languages (i.e., C++, MATLAB, Python), which provides a balance between access to physical devices and modern programming concepts. Prerequisite: MATH 2414

ENGR 2303 Statics & Dynamics
Application of the fundamental principles of Newtonian mechanics to the statics and dynamics of particles and the equilibrium of trusses, frames, beams and other rigid bodies. Dynamics of moving particles, including friction, torque, impulse, and momentum.
Prerequisites: PHYS 2325, PHYS 2125, and MATH 2414.
Corequisites: ENGR 2103.
TCCN: ENGR 2303

ENGR 2305 Principles of Elec Engineering
Fundamentals of electrical circuit analysis, AC power and electronics, intended as a terminal course in these areas for most engineering disciplines.
Prerequisites: PHYS 2326 and ENGR 1202.
Corequisites: ENGR 2105.
TCCN: ENGR 2305

ENGR 2312 Cons Prin in Thermal Sci
Theory and applications of energy methods in engineering; conservation principles to investigate "traditional" thermodynamics and internal flow fluids.
Prerequisites: ENGR 2321, MATH 2415 or registration therein.

ENGR 2315 Principles of Elec Engineering
Fundamentals of electrical circuit analysis, AC power and electronics, intended as a terminal course in these areas for most engineering disciplines.
Prerequisites: ENGR 2321, PHYS 2326/2126.

ENGR 2321 Statics and Particle Dynamics
Application of the fundamental principles of Newtonian mechanics to the statics and dynamics of particles and the equilibrium of trusses, frames, beams and other rigid bodies.
Prerequisites: PHYS 2326/2126.
Corequisites: MATH 2415.

ENGR 2372 Engineering Statistics
This course will cover a variety of important topics in probability and statistics such as pictorial and tabular methods in descriptive statistics, measures of location, measures of variability, samples spaces and events, axioms and properties of probability, counting techniques, conditional probability, independence, discrete random variables and probability distributions, continuous random variables and probability distributions, joint probability distributions and random samples. The course will also demonstrate how Microsoft Excel can be used to conduct statistical analysis such as basic simple and multiple regression.
Prerequisites: MATH 2414.

ENGR 2376 Cons Prin in Thermal Engr
Theory and applications of energy methods in engineering; conservation principles to investigate "traditional" thermodynamics and internal flow fluids; material properties.
Prerequisites: ENGR 2303, MATH 2415 or registration therein.
ENGR 2380 Fluid Mechanics
Study of fluid at rest and in-motion. Topics covered in the course include fluid properties, pressures, hydrostatics, buoyance, open system, control volume approach to conservation of mass, moment and energy. Applications includes fluid flow through pipes, dimensionless analysis, boundary layers, and lift and drag acting on object.
Prerequisites: ENGR 2376.

ENGR 2390 Mechanics of Materials
Principle of material mechanics in engineering problems addressing strength and stiffness of different solid material. The course includes topics in continuum stress and strain, torsion of circular shaft, beam bending, and combined stresses applied to an object.
Prerequisites: ENGR 2303.

ENGR 3231 The Engineer as an Innovator
Mentally and physically develop creative thinking skills, use creativity to generate ideas and solve problems, learn how to organize teams, avoid roadblocks to team creativity, and use the creative problem-solving process.
Prerequisites: ENGR 1230.

ENGR 3300 Engineering Economics
Principles of engineering economics including economic equivalence, time value of money, analysis of single and multiple investments, comparison of alternatives; capital recovery and tax implications; certainty; uncertainty; risk analysis; public sector analysis and break-even concepts. Interchangeable with SENG 3300.
Prerequisites: MATH 2414.

ENGR 3301 Engineering Ethics
Emphasis is placed on the developing techniques of moral/ethical analysis and their application to real and hypothetical ethical issues encountered by engineers, such as: professional employee rights and whistle blowing; environmental issues; ethical aspects of safety, risk and liability, and conflicts of interest.
Prerequisites: Junior Standing.

EPSC 1170 Survey of Earth Science Lab
Laboratory course to accompany EPSC 1370. Must be taken concurrently with EPSC 1370. Laboratory fee applicable.
TCCN: GEOL 1101

EPSC 1370 Survey of Earth Science
A survey of the natural processes at work in the atmosphere, lithosphere, hydrosphere, and biosphere of the Earth, as well as Earth's place in the universe. Includes an introduction to astronomy, geology, oceanography, and meteorology. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with EPSC 1170.
TCCN: GEOL 1301

EPSC 2101 Atmospheric Science-Lab
Laboratory course to accompany EPSC 2301. Practical exercises reinforce EPSC 2301 lecture material. Topics will include structure, energy, and motions of the atmosphere; climate; fronts and cyclones; atmospheric stability; clouds and precipitation; severe storms. Must be taken concurrently with EPSC 2301. Laboratory fee applicable.
TCCN: GEOL 1147

EPSC 2301 Atmospheric Science
Structure, energy, and motions of the atmosphere; climate; fronts and cyclones; atmospheric stability; clouds and precipitation; severe storms.
TCCN: GEOL 1347

GEOL 1103 Intro to Physical Geology Lab
Laboratory course to accompany GEOL 1303. Must be taken concurrently with GEOL 1303. Laboratory fee applicable.
TCCN: GEOL 1103

GEOL 1105 Environmental Geology Lab
Laboratory course to accompany GEOL 1305. Must be taken concurrently with GEOL 1305. Laboratory fee applicable.
TCCN: GEOL 1105

GEOL 1303 Intro to Physical Geology
An introductory study of Earth's composition, structure, and internal and external physical processes. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with GEOL 1103.
TCCN: GEOL 1303

GEOL 1305 Environmental Geology
An introductory study of Earth’s major resources, including the atmosphere, water, minerals, energy, and biological systems as they relate to the impact of urban development and environmental control. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with GEOL 1105.
TCCN: GEOL 1305

GEOL 3210 Petroleum Geology
Origin, migration and accumulation of petroleum; typical U.S. oil and gas fluids and studies in subsurface geology.
Prerequisites: GEOL 1303/1103.

GEOL 3301 Geohydrology
A study of surface and subsurface hydrology emphasizing geological controls on groundwater flow; quantitative methods of analyzing aquifer systems; regional hydrology; water quality and pollution. Includes three hours of lab per week. Laboratory fee applicable.
Prerequisites: GEOL 1303/1103 or EPSC 1370/1170.

GEOL 3305 Geology Seminar
A discussion of research and current topics in the geological sciences. Prerequisites: Twelve semester hours of Geology.

GEOL 3401 Earth Mats: Minerals & Rocks
An examination of minerals, and rocks; their formation and economic significance. Includes three hours of lab per week. Laboratory fee applicable.
Prerequisites: GEOL 1303/1103 or EPSC 1370/1170.

GEOL 3405 Geohydrology
A study of surface and subsurface hydrology emphasizing geological controls on groundwater flow; quantitative methods of analyzing aquifer systems; regional hydrology; water quality and pollution. Includes three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: Eight hours of Geology.

GEOL 3410 Sedimentology & Stratigraphy
Origin of sediments and sedimentary rocks; transport, deposition, and depositional environments for sediments; field and laboratory studies in description and interpretation of sedimentary rocks; principles of stratigraphy; geologic time and correlation; and sequence stratigraphy.
Includes three hours of laboratory per week. Laboratory fee applicable.

GEOL 3425 Paleontology and Earth History
An examination of the geologic history of the Earth focusing on the fossil and rock record. Specifically, this course will consider the development and history of life as documented by the fossil record and earth's history from a stratigraphic perspective. Includes three hours of laboratory per week. Laboratory fee applicable.

GEOL 4170 Geology Seminar
A discussion of research and current topics in the geological sciences. Prerequisites: Twelve semester hours of Geology.
GEOL 4173 UG Res in Geosciences
A course adapted to the study of special topics in the geosciences. For advanced students capable of developing a problem independently through conference and research (field and/or laboratory based) directed by the instructor. Problem chosen by the student with approval of the instructor prior to registration. May be repeated not to exceed four semester credit hours total. Laboratory fee, if applicable. (Formerly EPSC 4173-3373) Prerequisites: Twelve semester hours of Geology.

GEOL 4199 Special Topics in Geosciences
A course involving instruction in geology depending on student interest and specialty of instructor. May be repeated for credit when topic changes. Laboratory fee, if applicable. Prerequisites: Twelve semester hours of Geology.

GEOL 4273 UG Res in Geosciences
A course adapted to the study of special topics in the geosciences. For advanced students capable of developing a problem independently through conference and research (field and/or laboratory based) directed by the instructor. Problem chosen by the student with approval of the instructor prior to registration. May be repeated not to exceed four semester credit hours total. Laboratory fee, if applicable. (Formerly EPSC 4173-3373) Prerequisites: Twelve semester hours of Geology.

GEOL 4299 Special Topics in Geosciences
A course involving instruction in geology depending on student interest and specialty of instructor. May be repeated for credit when topic changes. Laboratory fee, if applicable. Prerequisites: Twelve semester hours of Geology.

GEOL 4473 UG Res in Geosciences
A course adapted to the study of special topics in the geosciences. For advanced students capable of developing a problem independently through conference and research (field and/or laboratory based) directed by the instructor. Problem chosen by the student with approval of the instructor prior to registration. May be repeated not to exceed four semester credit hours total. Laboratory fee, if applicable. (Formerly EPSC 4173-3373) Prerequisites: Twelve semester hours of Geology.

PETE 3101 Drilling Engineering I Lab
Preparation, testing and control of rotary drilling fluid systems. API recommended diagnostic testing of drilling fluids for measuring the physical properties of drilling fluids, cements and additives. A laboratory study of the functions and applications of drilling and well completion fluids. Learning the rig floor simulator for drilling operations that virtually resembles the drilling and well control exercises. Corequisites: PETE 3301

PETE 3110 Res Rock & Fluid Propert Lab
Experimental study of oil reservoir rocks and fluids and their interrelation applied to petroleum reservoir engineering. Corequisites: PETE 3310

PETE 3111 Formation Evaluation Lab
Observation of well logging tools and recording devices; Laboratory investigation of core analysis (routine core, special core, and thin section) for different formations. Interpretation of borehole surveys to determine formation character, fluid content, and production potential. Measurement of electrical, radioactive, acoustic, magnetic properties of rocks and fluids; The spontaneous potential log, gamma-ray log, porosity logs, nuclear magnetic resonance (NMR) log, and caliper log. Formation evaluation field-case studies using commercial software on different types of formations by interpretation of resistivity logs, spontaneous potential log, gamma-ray log, porosity logs, nuclear magnetic resonance (NMR) log, and caliper log. Corequisites: PETE 3311

PETE 3120 Petroleum Production Eng I Lab
PETE 3300 Petroleum Economics
Principles of engineering economics including economic equivalence, time value of money, analysis of single and multiple investments, comparison of alternatives; public sector analysis and break-even concept; estimation of oil and gas reserves and their uncertainty including tangible and intangible investment costs, depreciation, economic analysis of producing wells, income tax consideration; probabilistic determination of different prospects; petroleum project economics, risk and uncertainty analysis, property evaluation and management; economic factors affecting petroleum production and investment opportunities.
Prerequisites: MATH 2414

PETE 3301 Drilling Engineering I
Introduction to petroleum drilling systems, including fundamental petroleum engineering concepts, quantities and unit systems, drilling rig components, drilling fluids, pressure loss calculations, casing, well cementing, and directional drilling.
Prerequisites: ENGR 2380, ENGR 2390, and GEOL 3320.
Corequisites: PETE 3101.

PETE 3307 Reservoir Engineering I
Fundamental properties of reservoir formations and fluids including reservoir volumetric, reservoir statics and dynamics. Analysis of Darcy’s law and the mechanics of single and multiphase fluid flow through reservoir rock, capillary phenomena, material balance, and reservoir drive mechanisms.
Prerequisites: PETE 3310 and PETE 3311

PETE 3310 Res Rock & Fluid Properties
Introduction to basic reservoir rock and fluid properties and the interaction between rocks and fluids in a reservoir. The course is divided into three sections: rock properties, rock and fluid properties (interaction between rock and fluids), and fluid properties. The rock properties introduce the concepts of, Lithology of Reservoirs, Porosity and Permeability of Rocks, Darcy’s Law, and Distribution of Rock Properties. While the Rock and Fluid Properties Section covers the concepts of, Existence of Multi-phases, Saturation, Wettability, Capillary Pressure, Effective and Relative Permeability. Furthermore, the Fluid properties topics include Phase Behavior of Single and Multi-Component Systems, Compositional and Black-Oil models, Solution Gas-Oil Ratios, Formation Volume Factor, Compressibility, Density, Viscosity, and Interfacial Tension.
Prerequisites: ENGR 2380 and GEOL 3320.
Corequisites: PETE 3110

PETE 3311 Formation Evaluation
This course covers topics on methods of how to measure and interpret the physical and chemical properties of formation through the well logging tools. Fundamental principles of the use of borehole surveys to evaluate the formation characteristics and fluid contents of porous strata; well-log interpretation for formation evaluation of hydrocarbon-bearing reservoirs; basic rock physics principles; theory of tool operation; analysis of open-hole logs and core measurements to estimate hydrocarbon reserves and petrophysical properties of the formation such as porosity, net pay thickness, water/hydrocarbon saturation, permeability, and saturation-dependent capillary pressure; formation evaluation of clay-free and shaly-sand formations as well as basic introduction to formation evaluation of organic-shale formations. Measurement principles, test types, and application of wireline Formation Testing, Production logging; Core analysis techniques; Integration of core analysis; Well logging results for reservoir modeling.
Prerequisites: PHYS 2326, ENGR 2390, and GEOL 3320.
Corequisites: PETE 3111.

PETE 3320 Petroleum Production Eng I
Introduction to production operations, production systems, and oil field equipment; inflow performance analysis, effect of formation damage on well flow, nodal systems analysis; perforating techniques and their effect on inflow; and stimulation treatments to enhance well performance; production problems; Well stimulation design and workover and recompletion analysis. Design of surface separation and treating facilities.
Prerequisites: PETE 3307 and PETE 3310.
Corequisites: PETE 3120

PETE 3340 Geophysics for Petro Engineers
The fundamentals of geophysics are given to petroleum engineering students, with special emphasis on 2-D and 3-D seismic. Application of seismic to oil and gas exploration problems.
Prerequisites: ENGR 2380 and GEOL 3320

PETE 4190 Senior Eng Capstone Proposal
Introduction to principles of engineering design as applied to petroleum projects. This course is the first course in two courses series to develop the final capstone-engineering project focusing on shale oil and gas. The course focuses on the application of the concepts of reservoir, production, drilling and completions, and economics to petroleum engineering design projects. In this course, students will apply their gained knowledge to develop a proposal of their capstone design project. Alongside with the proposal students will develop the geological model of their selected formation to be used in the second course of the capstone design project. The class will be divided into teams and students will be evaluated based on their contribution to the team effort. All reports and presentations will be presented as a product of the team.
PETE 4290 Senior Eng Capstone Design
Integration of reservoir engineering and modeling for field development plan in unconventional formation. This course is the second course in two courses series to develop the final capstone-engineering project focusing on shale oil and gas. The course focuses on the testing and optimizing production design and strategy, drilling and completions, and economics of the pre-proposed project. In this course, students will apply their knowledge in reservoir modeling to test and optimize their capstone design to maximize its net present value. The class are divided into teams, each team must prepare a complete technical report of their project including all the conducted steps and results. Each group will present their project in form of a presentation and poster. Students will be evaluated based on their contribution to the team effort. All reports and presentations will be presented as a product of the team.
Prerequisites: Must be taken the semester prior to graduation

PETE 4302 Drilling Engineering II
This course addresses the current advancement and technologies applied in modern drilling designs. The course focuses on building and designing directional well paths, wellbore surveying methods, predicting dog-leg severity, bottom hole assembly and operational techniques used in directional drilling, limiting factors and wellbore issues associated with directional drilling.
Prerequisites: PETE 3301

PETE 4312 Reservoir Engineering II
Determination of reserves; material balance methods; aquifer models; fractional flow and frontal advance; displacement, pattern, and vertical sweep efficiencies in water floods; enhanced oil recovery processes; design of optimal recovery processes.
Prerequisites: PETE 3307

PETE 4313 Integrated Reservoir Mngt
Principles of reservoir management and applications to specific reservoirs. Examine case studies that include new fields, mature fields, water floods and enhanced recovery projects. Requirements for successful operation of a reservoir through integration of people, technology, tools and data, synergy, fostering teamwork and integration.
Prerequisites: PETE 4312

PETE 4321 Petroleum Production Eng. II
Fundamental production engineering design, evaluation and optimization for oil and gas wells, including well deliverability, formation damage and skin analysis, completion performance, and technologies that improve oil and gas well performance (artificial lift and well stimulation).
Prerequisites: PETE 3320.

PETE 4322 Artificial Lift
Prerequisites: PETE 3320

PETE 4332 Env Hlth & Saf in Oil Indus
This course analyzes U.S. laws, and how regulatory agencies address compliance concerns in the oil and gas industry. Attention will be paid to health, safety, and environmental concerns.

PETE 4355 Drilling Optimization
Optimization of the drilling process for oil and gas well based on geomaterial and dynamical models. Topics to be covered include drilling hydraulic, drill bit selection, operating parameter selection, analysis of drilling time and cost, and rate of penetration predictions.
Prerequisites: PETE 4302

PETE 4370 Well Testing
Well test objectives and principles. Basics of Well Test Interpretation; Pressure transient tests and interpretation methods, unsteady-state fluid flow through porous rock, analysis of the drawdown and buildup tests, wellbore storage, application of pressure derivative in pressure transient data analysis, testing of hydraulically fractured wells, type curve methods, testing of horizontal wells, unified method of analysis, well test design, case studies of local field examples using well test commercial simulator; basics of specialized well test including Interference, pulse and vertical permeability testing, drill stem test (DST); Reservoir limit test; Wire line and slick line formation tests; Repeat formation tester (RFT).
Prerequisites: PETE 3307, PETE 3311, and PETE 3320

PETE 4380 Shale Oil & Gas Engineering
Overview of the unconventional basins and plays – North America, the rest of the world and Emerging basins; characteristics of unconventional oil and gas resources; unconventional resources workflow – exploration, identification, characterization, economics, efficient completion technologies, challenges, and development strategies. Pilot project in Shale resources development.
Prerequisites: PETE 3307 and PETE 3311

PETE 4382 Reserv Modeling & Simulation
Introduction to the fundamentals and applications of reservoir molding and simulation. In this class, numerical models are built based on finite-difference and finite-volume approximations of governing equations of fluid flow in porous media, which integrate conservation of mass, isothermal fluid PVT behavior, and Darcy’s flow approximations.
Prerequisites: PETE 3307, PETE 3310, and PETE 3320

SENG 3300 Engineering Economics
Principles of engineering economics including economic equivalence, time value of money; analysis of single and multiple investments, comparison of alternatives; capital recovery and tax implications; certainty; uncertainty; risk analysis; public sector analysis and break-even concepts. Interchangeable with ENGR 3300.
Prerequisites: MATH 2414.

SENG 3301 Engr Proj Mgt & Proposals
Principles of project management; planning, scheduling, and control. Engineering proposals; technical reports. Students prepare proposals, including specifications, timelines, schedule, and budget, for projects to be implemented in SENG 4390. This course should be taken the semester preceding SENG 4390.
Prerequisites: ENGL 2311 and senior standing.

SENG 3310 Intro to Control Systems
Analysis and synthesis of controlled, dynamic, linear mechanical, electrical, fluid and/or thermal systems; introduction to concepts of stability, controllability, and observability. Optimal control systems and nonlinear control theory.
Prerequisites: ENGR 2305, MATH 3310, MATH 3330, COSC 1336 and COSC 1136.
SENG 3320 Engineering Modeling & Design
This course will cover the fundamentals of modeling and design, introduce students to engineering design criteria such as human factors and ergonomics, maintainability, and reliability. The course will also introduce students to project management topics such as project scheduling, schedule reduction, design and project selection models, and multi-criteria decision making. Contemporary case studies of failures in modeling and design will be analyzed to identify lessons learned.
Prerequisites: Junior Standing.

SENG 3330 Operations Research I
Introduction to the fundamental deterministic analytical methods and their applications to the industrial and systems engineering. Modeling and decision making. Methods include linear programming, the simplex method, integer programming, distribution and network models (transportation, transshipment, and assignment problems), nonlinear programming, queuing analysis, simulation, and forecasting.
Prerequisites: MATH 3310 and SENG 3320.

SENG 3337 Software Development
This course will cover advanced software development techniques including object-oriented programming, inheritance, polymorphism, formatted file access, recursion, functional and operator overloading, parsing using a FSM, stacks and queues using linked list, search algorithms using binary search trees, and shortest path algorithms.
Prerequisites: COSC 1336 and COSC 1136.

SENG 3340 Robotics and Automation
Study of the use, design, and deployment of industrial automation and robotics technologies in high-precision, multi-product manufacturing environments. Robot manipulators, kinematics and dynamics, robot automation and control, integrated robotic systems for manufacturing, automation in manufacturing, programmable logic controllers, applications to industrial systems.
Prerequisites: SENG 3310.

SENG 3370 Computer Int Manufacturing
Prerequisites: Junior or Senior standing.

SENG 3380 Measurements and Devices
Basic concepts and principles of measurement methods; characteristics of signals; signal conditioning; data acquisition; transducers and sensors, analog and digital devices, voltage regulators; power supplies; measurements of temperature, pressure, velocity, flow, and strain.
Prerequisites: ENGR 2305/2105.

SENG 4152 Internship in Systems Engr
A directed internship in an organization appropriate to the student’s career objectives. May be repeated. Evaluation of performance is on a CR/NC basis.
Prerequisites: Permission of instructor.

SENG 4195 Undergraduate Research
Permits work on a research engineering project. May be repeated.
Prerequisites: Permission of instructor.

SENG 4199 Independent Study in SENG
A directed study course. Topics selected from contemporary developments in the field of systems engineering.
Prerequisites: Permission of instructor.

SENG 4252 Internship in Systems Engr
A directed internship in an organization appropriate to the student’s career objectives. May be repeated. Evaluation of performance is on a CR/NC basis.
Prerequisites: Permission of instructor.

SENG 4295 Undergraduate Research
Permits work on a research engineering project. May be repeated.
Prerequisites: Permission of instructor.

SENG 4299 Independent Study in SENG
A directed study course. Topics selected from contemporary developments in the field of systems engineering.
Prerequisites: Permission of instructor.

SENG 4301 Engr Project Mgt and Proposals
Principles of project management; planning, scheduling, and control. Engineering proposals; technical reports. Students prepare proposals, including specifications, timelines, schedule, and budget, for projects to be implemented in SENG 4390. This course should be taken the semester preceding SENG 4390. (Formerly SENG 3301)
Prerequisites: ENGL 2311 and senior standing.

SENG 4315 Embedded Systems
Characteristics of embedded systems, microprocessors and microcontrollers, system design, modular programming, interface devices, memory management, interrupts, input/output applications, multitasking, and simulation. Interchangeable with CSCE 4315.
Prerequisites: ENGR 2305 and COSC 1336 or CSCE 1336.

SENG 4330 Operations Research II
This course will present mathematical models for inventory management. It also covers a variety of statistics topics such as analysis of variance (One Factor and Two Factors), simple and advanced multiple linear regression. Techniques to deal with collinearity in datasets such as stepwise regression and best subsets are presented. Other topics include game theory, Markov chains, and multi-criteria decision-making through goal programming.
Prerequisites: ENGR 2372 and SENG 3330.

SENG 4340 Intelligent Systems
Introduction to methods for the analysis and design of intelligent engineering systems. Topics include reinforcement learning, optimal estimation, Bayesian networks, expert systems, neural networks, and genetic algorithms. Applications emphasize control and decision making in engineering, finance, and computer science.
Prerequisites: SENG 3340.

SENG 4350 Facilities Design & Logistics
Design and analysis of models and algorithms for facility location, vehicle routing, and facility layout problems. Emphasis will be placed on both the use of computers and the theoretical analysis of models and algorithms in the design of production/service facilities, sequencing, and scheduling. Fundamental concepts applied through a sequence of design projects.
Prerequisites: SENG 3330.
SENG 4352 Internship in Systems Engr
A directed internship in an organization appropriate to the student’s career objectives. May be repeated. Evaluation of performance is on a CR/NC basis.
Prerequisites: Permission of instructor.

SENG 4360 Systems Simulation
Study the structure, logic, methodologies, and computer techniques for simulating systems. Topics include fundamentals of discrete simulation, design-modeling and subsequent analysis, model verification and validation, and understanding and predicting the behavior of systems.
Prerequisites: SENG 3330.

SENG 4370 Intro to Virtual Manufacturing
Introduction to virtual manufacturing, virtual reality applications in manufacturing systems design, networked manufacturing applications, and modeling of occupational safety engineering.
Prerequisites: SENG 3370.

SENG 4380 Syst Eng in Oil and Gas Ind
Introduction to the interdisciplinary approach between two different engineering disciplines: Petroleum Engineering and Systems Engineering.
Prerequisites: Senior standing.

SENG 4385 Special Topics in Systems Engr
Topics may be from any area of systems engineering. May be repeated when topic changes.
Prerequisites: Senior standing or permission of instructor.

SENG 4390 Sys Eng Senior Design Project
This capstone course provides students the experience of implementing (including building, testing, and documenting) the approved project in SENG 3301, within budget and on schedule. Requires integration of knowledge from required systems engineering courses. Course requirements include a written report and oral presentation. To be taken during the semester of graduation.
Prerequisites: SENG 4301.

SENG 4395 Undergraduate Research
Permits work on research engineering project. May be repeated.
Prerequisites: Permission of instructor.

SENG 4399 Independent Study in SENG
A directed study course. Topics selected from contemporary developments in the field of systems engineering.
Prerequisites: Permission of instructor.

Bachelor of Science with a Major in Computer Engineering (BS)

HOURS REQUIRED
A minimum of 129 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation” section of this catalog.

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<td>Electronic Devices &amp; Apps</td>
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<td>Computer Security</td>
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## Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

### Freshman

<table>
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<th>Semester</th>
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### Sophomore

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<td>CSCE 2330</td>
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<td>ENGR 2372</td>
<td>Engineering Statistics</td>
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### Junior

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<tr>
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<td>General Chemistry I</td>
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<td>CSCE 3314</td>
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<td>CSCE 3320</td>
<td>Signals and Systems</td>
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<td>MATH 3330</td>
<td>Ordinary Diff Equations</td>
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<td>MATH 3365</td>
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<td>CSCE 3301</td>
<td>Algorithms &amp; Data Structures</td>
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<td>CSCE 3326</td>
<td>Operating Systems &amp; Networking</td>
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<td>CSCE 3340</td>
<td>Microprocessor Systems</td>
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### Senior

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<td>CSCE 4214</td>
<td>Data Communication</td>
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<td>CSCE 4315</td>
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<td>CSCE 4201</td>
<td>Software Engr&amp;Proj Develop I</td>
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<td>&amp; CSCE 4101</td>
<td>and Soft Eng &amp; Proj Develop I Lab</td>
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<td>Social &amp; Behavioral Sciences</td>
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<td>Spring</td>
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<td>Computer System Architecture</td>
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<td>CSCE 4390</td>
<td>Comp Eng Senior Design Project</td>
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<td>CSCE Advanced Elective *</td>
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<td>CSCE Advanced Elective **</td>
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<td>Creative Arts</td>
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<td><strong>Total Semester Credit Hours</strong></td>
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* Select from CSCE 4310, CSCE 4350, or CSCE 4395.
** Select from CSCE 4210, CSCE 4220, or CSCE 4240.

Actual degree plans may vary depending on the availability of courses in a given semester.

Some courses may require prerequisites not listed.
Bachelor of Science with a Major in Petroleum Engineering (BS)

Degree Requirements
A minimum of 129 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog.

<table>
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<td>[University Core Curriculum] (p. 436)</td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation.&quot; MATH 2413 and PHYS 2325 must be taken as part of the core.</td>
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Major

**Engineering**

ENGR 1201 Foundations of Engineering I 2
ENGR 2303 Statics & Dynamics 3
ENGR 2103 Eng Mech Statics & Dynamic Lab 1
ENGR 2236 Programming for Engineers 2
ENGR 2376 Cons Prin in Thermal Engr 3
ENGR 2380 Fluid Mechanics 3
ENGR 2390 Mechanics of Materials 3
ENGR 3301 Engineering Ethics 3

**Petroleum Engineering**

PETE 3300 Petroleum Economics 3
PETE 3301 Drilling Engineering I 3
PETE 3101 Drilling Engineering I Lab 1
PETE 3310 Res Rock & Fluid Properties 3
PETE 3110 Res Rock & Fluid Propert Lab 1
PETE 3307 Reservoir Engineering I 3
PETE 3311 Formation Evaluation 3
PETE 3111 Formation Evaluation Lab 1
PETE 3320 Petroleum Production Eng I 3
PETE 3120 Petroleum Production Eng I Lab 1
PETE 4370 Well Testing 3
PETE 4380 Shale Oil & Gas Engineering 3
PETE 4382 Reserv Modeling & Simulation 3
PETE 4190 Senior Eng Capstone Proposal 1
PETE 4290 Senior Eng Capstone Design 2

**Math and Sciences**

GEOL 1303 Intro to Physical Geology 3
GEOL 1103 Intro to Physical Geology Lab 1
GEOL 3320 Petroleum Geology 3
PHYS 2125 University Physics I Lab 1
PHYS 2326 University Physics II 3
PHYS 2126 University Physics II Lab 1
MATH 2414 Calculus II 4
MATH 2415 Calculus III 4
MATH 3330 Ordinary Diff Equations 3
Select 1 SCH surplus from core 1

**Petroleum Engineering Electives**

Select 9 SCH from the following:

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<tr>
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<tbody>
<tr>
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<td>Drilling Engineering II</td>
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<tr>
<td>PETE 3340</td>
<td>Geophysics for Petro Engineers</td>
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<tr>
<td>PETE 4312</td>
<td>Reservoir Engineering II</td>
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<td>PETE 4313</td>
<td>Integrated Reservoir Mngt</td>
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<td>PETE 4321</td>
<td>Petroleum Production Eng. II</td>
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<td>PETE 4322</td>
<td>Artificial Lift</td>
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<td>PETE 4332</td>
<td>Env Hlth &amp; Saf in Oil Indus</td>
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<tr>
<td>PETE 4355</td>
<td>Drilling Optimization</td>
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</table>

Total Semester Credit Hours 129

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

**Freshman**

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
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<td>CHEM 1311</td>
<td>General Chemistry I 3</td>
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<td>CHEM 1111</td>
<td>General Chemistry I-Lab 3</td>
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<td>ENGR 1201</td>
<td>Foundations of Engineering I 1</td>
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<tr>
<td>HIST 1301</td>
<td>The US to 1877 3</td>
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<tr>
<td>MATH 2413</td>
<td>Calculus I 4</td>
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<td>UNIV 1201</td>
<td>Learn a Global Context I 2</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ENGL 2311</td>
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<td>HIST 1302</td>
<td>The US Since 1877 3</td>
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<td>MATH 2414</td>
<td>Calculus II 4</td>
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<td>PHYS 2325</td>
<td>University Physics I 3</td>
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<td>PHYS 2125</td>
<td>University Physics I Lab 1</td>
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<td>UNIV 1302</td>
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**Sophomore**

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<td>ENGR 2103</td>
<td>Eng Mech Statics &amp; Dynamic Lab 1</td>
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<tr>
<td>GEOL 1303</td>
<td>Intro to Physical Geology 3</td>
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<tr>
<td>GEOL 1103</td>
<td>Intro to Physical Geology Lab 1</td>
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<tr>
<td>MATH 2415</td>
<td>Calculus III 4</td>
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</table>
Language, Philosophy & Culture 3
  Semester Credit Hours 18

Spring
ENGR 2376  Cons Prin in Thermal Engr 3
ENGR 2390  Mechanics of Materials 3
GEOI 3320  Petroleum Geology 3
PHYS 2326  University Physics II 3
PHYS 2126  University Physics II Lab 1
Social Behavioral Science 3
  Semester Credit Hours 16

Junior
Fall
ENGR 2380  Fluid Mechanics 3
PETE 3310  Res Rock & Fluid Properties 3
PETE 3110  Res Rock & Fluid Propert Lab 1
PETE 3311  Formation Evaluation 3
PETE 3111  Formation Evaluation Lab 1
MATH 3330  Ordinary Diff Equations 3
Creative Arts 3
  Semester Credit Hours 17

Spring
ENGR 2236  Programming for Engineers 2
PETE 3307  Reservoir Engineering I 3
PETE 3301  Drilling Engineering I 3
PETE 3101  Drilling Engineering I Lab 1
PSCI 2306  American State Government 3
PETE - Adv Elective 3
  Semester Credit Hours 15

Senior
Fall
ENGR 3301  Engineering Ethics 3
PETE 3300  Petroleum Economics 3
PETE 3320  Petroleum Production Eng I 3
PETE 3120  Petroleum Production Eng I Lab 1
PETE 4190  Senior Eng Capstone Proposal 1
PETE 4380  Shale Oil & Gas Engineering 3
  Semester Credit Hours 14

Spring
PETE 4290  Senior Eng Capstone Design 2
PETE 4370  Well Testing 3
PETE 4382  Reserv Modeling & Simulation 3
PETE - Adv Elective 3
PETE - Adv Elective 3
  Semester Credit Hours 14

Total Semester Credit Hours 129

Bachelor of Science with a Major in Systems Engineering (BS)

Degree Requirements

Hours Required
A minimum of 131 semester credit hours (SCH): 48 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

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<td>Foundations of Engineering I</td>
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<td>Engineering Graphics</td>
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<td>ENGR 2103</td>
<td>Eng Mech Statics &amp; Dynamic Lab</td>
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<td>ENGR 2303</td>
<td>Statics &amp; Dynamics</td>
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<td>ENGR 2105</td>
<td>Principles of Elec Engr Lab</td>
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<td>ENGR 2372</td>
<td>Engineering Statistics</td>
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<td>ENGR 2376</td>
<td>Cons Prin in Thermal Engr</td>
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<td>SENG 3300</td>
<td>Engineering Economics</td>
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<td>SENG 3310</td>
<td>Intro to Control Systems</td>
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<td>Engineering Modeling &amp; Design</td>
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<td>Operations Research I</td>
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<td>Software Development</td>
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<td>Robotics and Automation</td>
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<td>Measurements and Devices</td>
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<td>Systems Simulation</td>
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<td>Calculus II</td>
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<td>Calculus III</td>
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</tbody>
</table>

Actual degree plans may vary depending on the availability of courses in a given semester.

Some courses may require prerequisites not listed.
Undergraduate Information | 98

MATH 3310 Introduction to Linear Algebra 3
MATH 3330 Ordinary Diff Equations 3
Select 1 SCH surplus from core 1

**Systems Engineering Electives**
Select 3 SCH from the following: 3

- SENG 3370 Computer Int Manufacturing
- SENG 4340 Intelligent Systems
- SENG 4370 Intro to Virtual Manufacturing
- SENG 4152 Internship in Systems Engr
- SENG 4252 Internship in Systems Engr
- SENG 4195 Undergraduate Research
- SENG 4295 Undergraduate Research
- SENG 4199 Independent Study in SENG
- SENG 4299 Independent Study in SENG

**Total Semester Credit Hours** 131

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### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

**Freshman**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
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<td>ENGR 1201</td>
<td>Foundations of Engineering I</td>
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<td>HIST 1301</td>
<td>The US to 1877</td>
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<td>UNIV 1201</td>
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**Spring**

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<td>3</td>
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<td>MATH 2414</td>
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**Sophomore**

**Fall**

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<table>
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<td>Statics &amp; Dynamics</td>
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<td>Language, Philosophy &amp; Culture</td>
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**Junior**

**Fall**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>SENG 3300</td>
<td>Engineering Economics</td>
<td>3</td>
</tr>
<tr>
<td>SENG 3310</td>
<td>Intro to Control Systems</td>
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<tr>
<td>SENG 3320</td>
<td>Engineering Modeling &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>SENG 3380</td>
<td>Measurements and Devices</td>
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<tr>
<td>PHYS 3320</td>
<td>Electromagnetic Field Theory</td>
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**Spring**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
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<tr>
<td>ENGR 2372</td>
<td>Engineering Statistics</td>
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<tr>
<td>SENG 3330</td>
<td>Operations Research I</td>
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<tr>
<td>SENG 3337</td>
<td>Software Development</td>
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**Senior**

**Fall**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>SENG 4301</td>
<td>Engr Project Mgt and Proposals</td>
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<td>SENG 4315</td>
<td>Embedded Systems</td>
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<td>SENG 4360</td>
<td>Systems Simulation</td>
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<tr>
<td>SENG 4330</td>
<td>Operations Research II</td>
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<tr>
<td>Creative Arts</td>
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**Spring**

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<th>Course</th>
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<th>Credit Hours</th>
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<tr>
<td>SENG 4350</td>
<td>Facilities Design &amp; Logistics</td>
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<tr>
<td>SENG 3340</td>
<td>Robotics and Automation</td>
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<td>SENG 4390</td>
<td>Sys Eng Senior Design Project</td>
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<tr>
<td>Soc/Behavioral Science</td>
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**Total Semester Credit Hours** 131
1 Systems Engineering electives select 3 SCH from SENG 3370, SENG 4340, SENG 4370, SENG 4385, SENG 4152-4352, SENG 4195-4395, and SENG 4199-4399.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

**Computer Science Minor**

**MINOR CURRICULUM - COMPUTER SCIENCE**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COSC 1136</td>
<td>Funds of Programming Lab</td>
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<tr>
<td>COSC 1137</td>
<td>Object-Oriented Program Lab</td>
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</tr>
<tr>
<td>COSC 1336</td>
<td>Fundamentals of Programming</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COSC 1337</td>
<td>Object Oriented Programming</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COSC 3301</td>
<td>Algorithms &amp; Data Structures</td>
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<tr>
<td>COSC 3320</td>
<td>Computer Architecture</td>
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<td>Select 6 SCH from the following:</td>
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<tr>
<td>COSC 3310</td>
<td>Algorithm Design &amp; Analysis</td>
<td></td>
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</tr>
<tr>
<td>COSC 3326</td>
<td>Operating Systems &amp; Networking</td>
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<tr>
<td>COSC 3350</td>
<td>Human Computer Interaction</td>
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<tr>
<td>COSC 3370</td>
<td>Databases</td>
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<tr>
<td>CSCE 4201 &amp; CSCE 4101</td>
<td>Software Engr &amp; Proj Develop I and Soft Eng &amp; Proj Develop Lab</td>
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</tr>
<tr>
<td>COSC 4302</td>
<td>Software Engr &amp; Proj Develop II</td>
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</tr>
<tr>
<td>COSC 4395</td>
<td>Undergraduate Research</td>
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</table>

Total Semester Credit Hours 20

* Students are highly encouraged to take CSCE 4201 and CSCE 4101 as part of their elective credit.

**Petroleum Engineering Minor**

**Minor Curriculum - Petroleum Engineering**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PETE 3301</td>
<td>Drilling Engineering I</td>
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<tr>
<td>PETE 3101</td>
<td>Drilling Engineering I Lab</td>
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<tr>
<td>PETE 3311</td>
<td>Formation Evaluation</td>
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<td>PETE 3111</td>
<td>Formation Evaluation Lab</td>
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<td>PETE 3320</td>
<td>Petroleum Production Eng I</td>
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<td>PETE 3120</td>
<td>Petroleum Production Eng I Lab</td>
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<td>PETE 4312</td>
<td>Reservoir Engineering II</td>
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<tr>
<td>Select 3 SCH from:</td>
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<tr>
<td>PETE 3310</td>
<td>Res Rock &amp; Fluid Properties</td>
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<tr>
<td>PETE 3340</td>
<td>Geophysics for Petro Engineers</td>
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<tr>
<td>PETE 4290</td>
<td>Senior Eng Capstone Design</td>
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<tr>
<td>&amp; PETE 4190</td>
<td>and Senior Eng Capstone Proposal</td>
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<tr>
<td>PETE 4302</td>
<td>Drilling Engineering II</td>
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<tr>
<td>PETE 4313</td>
<td>Integrated Reservoir Mngt</td>
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<tr>
<td>PETE 4321</td>
<td>Petroleum Production Eng. II</td>
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<tr>
<td>PETE 4380</td>
<td>Shale Oil &amp; Gas Engineering</td>
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</tbody>
</table>

Total Semester Credit Hours 18

* Co-requisite PETE 1110 required.

**Geology Minor**

**MINOR CURRICULUM - GEOLOGY**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EPSC 1370 &amp; EPSC 1170</td>
<td>Survey of Earth Science and Survey of Earth Science Lab</td>
<td></td>
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</tr>
<tr>
<td>GEOL 1303 &amp; GEOL 1103</td>
<td>Intro to Physical Geology and Intro to Physical Geology Lab</td>
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<td></td>
</tr>
<tr>
<td>GEOL 1305 &amp; GEOL 1105</td>
<td>Environmental Geology and Environmental Geology Lab</td>
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<tr>
<td>Select 12 SCH from the following:</td>
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<tr>
<td>GEOL 3401</td>
<td>Earth Mats: Minerals &amp; Rocks</td>
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<tr>
<td>GEOL 3405</td>
<td>Geohydrology</td>
<td></td>
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<tr>
<td>GEOL 3415</td>
<td>Sedimentology &amp; Stratigraphy</td>
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<tr>
<td>GEOL 3425</td>
<td>Paleontology and Earth History</td>
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<tr>
<td>GEOL 4173-GEOL 4473</td>
<td>Paleontology and Earth History</td>
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<tr>
<td>GEOL 4199-GEOL 4499</td>
<td>Undergraduate Research</td>
<td></td>
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</tr>
</tbody>
</table>

Total Semester Credit Hours 20

1 May not be used to satisfy university science core curriculum for earth science majors.

2 GEOL 4173-GEOL 4473 (variable hours) may be repeated, for a total not to exceed 4 SCH.

**Fine and Performing Arts Degrees Majors**

- Bachelor of Arts with a Double Major (BA) (p. 66)
- Bachelor of Arts with a Major in Art (BA) (p. 109)
- Bachelor of Arts with a Major in Art with All Level Certification (BA) (p. 111)
BACHELOR OF MUSIC

- Bachelor of Music in Performance (BM) (p. 112)
- Bachelor of Music Education (BM) (p. 115)

Minors

- Art History (p. 117)
- Dance (p. 117)
- Music (p. 117)
- Studio Art (p. 118)
- Theater Arts (p. 118)

Courses

ARTS 1100 Art and Children
An introduction to the principles of art that can be related to the expressive and developmental needs of children from pre-school through the fourth grade.

ARTS 1301 Hist of Paint, Sculp&Arch
Beginning with Greek and Roman art and continuing through the Cubist Movement, this course will discuss a variety of major artistic works and landmarks. The goal of the course will be to understand art in relation to its traditions of use, meaning, and technique within specific cultures and historical settings. May be substituted for ARTS 1303 in the major in art, but not for the minor in Art History.
TCCN: ARTS 1301

ARTS 1303 Art Hist Surv: Prehist-Renaiss
A basic introduction to painting, sculpture, architectural and other media from pre-history to the fifteenth century, including some coverage of nonwestern cultures. The goal of the course will be to understand art in relation to its traditions of use, meaning, and technique within specific cultures and historical settings.
TCCN: ARTS 1303

ARTS 1304 Art Hist Surv: Ren-Modern
A basic introduction to painting, sculpture, architecture and other media from the fifteenth to the mid-late twentieth century, including some coverage of nonwestern cultures. The goal of the course will be to understand art in relation to its traditions of use, meaning, and technique within specific cultures and historical settings.
TCCN: ARTS 1304

ARTS 1311 Design I for Art Majors/Minors
A studio course concerning the fundamentals of art with emphasis on two-dimensional concepts. The primary studio foundation course required of all studio majors and minors as a pre-requisite to all subsequent studio classes; open only to majors/minors or those fully intending to declare a major or minor in ARTS. Consent of Instructor required.
TCCN: ARTS 1311

ARTS 1312 Design II
A studio course concerning the fundamentals of art with emphasis on three-dimensional concepts.
TCCN: ARTS 1312

ARTS 1316 Drawing I
An introduction to basic drawing skills and rendering: focus will be on black and white drawing media, both dry and wash. Observational drawing of various types will provide the focus for renderings in this course. Value structure, line qualities, gesture, light logic, proportion, foreshortening, and perspective will represent some of the skills to be addressed. This class meets five hours a week.
Prerequisites: ARTS 1311 recommended.
TCCN: ARTS 1316

ARTS 1317 Drawing II
A continuation of ARTS 1316. Black and white drawing, introduction and partial exploration of color. The student will also develop self-initiated projects that are based on individual creative research.
Prerequisites: ARTS 1316 or consent of instructor.
TCCN: ARTS 1317

ARTS 2316 Painting I
An introduction to basic oil painting skills. Emphasis of this course will be on rendering and basic techniques including wet-into-wet painting, underpainting, and glazing. First semester will cover basic shapes, still life, composition, value structure, light logic, perspective, safety, and materials. This class meets five hours a week. It is suggested that students take ARTS 1311, 1316 and 1317 before taking this course.
TCCN: ARTS 2316

ARTS 2323 Life Drawing
Close study of the human figure and its anatomy. Emphasis of the course will be drawing from a model in dry and wash mediums. This is a studio style course and meets for extended class periods.
Prerequisites: ARTS 1311 and ARTS 1316 or consent of instructor.
TCCN: ARTS 2326

ARTS 2333 Printing I
An introduction to relief printmaking, including linocuts, woodcuts, and collographs. This class meets five hours per week. May be repeated for credit.
Prerequisites: ARTS 1316 and ARTS 1317 or consent of instructor.
TCCN: ARTS 2333

ARTS 2346 Ceramics I
An introduction to the fundamentals of ceramic construction, glazing, and firing techniques with a concentration on hand building, and methods of surface exploration.
Prerequisites: No prerequisite required.
TCCN: ARTS 2346

ARTS 2356 Photography I
An introduction to film-based and digital photography as an artistic medium. Topics include basic photographic methods, processes, and concepts; camera operation; a multicultural survey of the history of photography; and basic black-and-white darkroom and digital lab practice.
Prerequisites: ARTS 1311 or consent of instructor.
TCCN: ARTS 2356
ARTS 3100 Art and Children
An introduction to the principles of art that can be related to the expressive and developmental needs of children from pre-kindergarten through the sixth grade.

ARTS 3308 Intermediate Painting
A continuation of ARTS 2316. Introduction to figures, landscape, and photographic reference. This class meets five hours a week. Prerequisites: ARTS 2316 or consent of instructor.

ARTS 3309 Intermediate Sculpture
A continuation of ARTS 2326. A continuing basic introduction to three-dimensional art. Additive and subtractive media will be explored further, as well as other potential artistic strategies that share sculpture’s spatial characteristics. This course meets five hours a week. Not offered every year. May be repeated once for credit. Prerequisites: ARTS 2326 or consent of instructor.

ARTS 3310 Studies Art Hist & Criticism
Features study of the arts of selected cultures, periods, media, themes, and artists in contexts ranging from ancient to contemporary. May be repeated once when topic changes. Prerequisites: ENGL 1302.

ARTS 3323 Intermediate Life Drawing
A continuation of ARTS 1317 with more in-depth study of the human figure and its anatomy. Emphasis of the course will be drawing from the model in all media, including discourse on contemporary issues regarding the nude in art.

ARTS 3324 Intermediate Ceramics
A continuation of ARTS 2346. Covers further aspects of construction of wheel-throwing, basic glazemaking, and an introduction to kiln firing and loading. Prerequisites: ARTS 2346 or consent of instructor.

ARTS 3330 18th & 19th Century Art
Selected areas of study in the arts of Europe and North America from about 1700 to about 1860. The evolving cultural and economic roles of art, artists, and audiences in the modern era will provide an organizing theme. Prerequisites: ENGL 1302 or consent of instructor.

ARTS 3333 Intermediate Printmaking
A continuation of ARTS 2333, this course will explore increasingly advanced printmaking practices, including relief work and lithography. A greater emphasis on conceptual work, mixed media, and independent projects. Prerequisites: ARTS 2333 or consent of instructor.

ARTS 3335 Intro to Computers and Art
An introduction to the basics of computer-based art and design. Prerequisites: ARTS 1311 or consent of instructor.

ARTS 3352 Modern Art 1860-1960
Selected areas of study concerning art, artists, audiences, and stylistic concepts from the beginnings of modernist approaches to painting to styles of the 1960s. Prerequisites: ENGL 1302.

ARTS 3353 Art Since 1945
Selected areas of study concerning movements, artists, and critical concepts associated with recent and contemporary art. Prerequisites: ARTS 1301 or 1304; ARTS 3352 strongly recommended.

ARTS 3365 Intermediate Photography
A continuation of ARTS 2356, with attention to broadening and deepening the topics covered in Photography I, as well as increased emphasis on critical thinking. Student effort will be directed toward the production of a coherent individual project. Prerequisites: ARTS 2356 or equivalent or consent of instructor.

ARTS 4173 Undergraduate Research
A course adapted to the study of special topics in studio art or art history. For advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration. Course may be repeated, but not to exceed eight semester hours in total. Prerequisites: Permission of instructor.

ARTS 4273 Undergraduate Research
A course adapted to the study of special topics in studio art or art history. For advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration. Course may be repeated, but not to exceed eight semester hours in total. Prerequisites: Permission of instructor.

ARTS 4301 Advanced Drawing
Beyond rendering, this class will address the interaction of drawing, materials, and conceptualization. In-class critiques, out-of-class assignments, and independent self-motivated projects are the largest components of this course. This class meets five hours a week. May be repeated twice for credit. Prerequisites: ARTS 1316 and 1317.

ARTS 4303 Advanced Painting
Beyond rendering, this class will address the interaction of painting, materials, and conceptualization. In-class critiques, out-of-class assignments, and independent self-motivated projects are the largest components of this course. This class meets five hours a week. May be repeated twice for credit. Prerequisites: ARTS 2316 and ARTS 3308.

ARTS 4304 Advanced Sculpture
A continuation of Intermediate Sculpture, this course will address the interaction of sculpture, materials, and conceptualization. In-class critiques, out-of-class assignments, and independent self-motivated projects are the most important components of the course. May be repeated twice for credit. Prerequisites: ARTS 3309.

ARTS 4324 Advanced Ceramics
A continuation of ARTS 3324, this course will address the interaction of ceramics, materials, and conceptualization. In-class critiques, out-of-class assignments, and independent self-motivated projects are the most important components of this course. May be repeated twice for credit. Prerequisites: ARTS 3324.

ARTS 4331 Advanced Printmaking
Further investigation into advanced printmaking, with an increased emphasis on critical and conceptual analysis. This course will explore non-traditional media and unconventional printmaking practices. Students develop an independent body of work using the printmaking media of their choice. May be repeated twice for credit. Prerequisites: ARTS 3333 or consent of instructor.
ARTS 4333 Practicum Seminar in the Arts
A practical seminar designed to introduce students to the art world. Issues and problems covered will include research and writing of an artistic statement, where and how to sell work, graduate school, jobs, and portfolio preparation. Occasional presentations and group critiques will also be scheduled. Framing, matting, photographing art for gallery presentation. An exhibition of the student’s work will be required, along with an accompanying statement by the artist. Must be taken concurrently with ARTS 4301 or ARTS 4304 or ARTS 4314 or ARTS 4331 or ARTS 4361.

ARTS 4334 Sem: Special Topics Visual Art
Selected areas of special study concerning the visual arts. May be repeated for credit with consent of instructor. Areas of study may include issues concerning critical theory, study of specific artists and movements, as well as contemporary film and performance art. Not offered every semester.
Prerequisites: Consent of instructor.

ARTS 4361 Illustration/Elec Imaging
A continuation of ARTS 3335, with further work in the use of painting, drawing, and image-enhancement software programs.
Prerequisites: ARTS 3335 or consent of instructor.

ARTS 4365 Advanced Photography
A continuation of ARTS 3365, this course will concentrate on the realization of content as creative expression and a heightened mastery of photographic skills in the darkroom and in the computer lab.
Prerequisites: ARTS 3365.

ARTS 4373 Undergraduate Research
A course adapted to the study of special topics in studio art or art history. For advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration. Course may be repeated, but not to exceed eight semester hours in total.
Prerequisites: permission of instructor.

ARTS 4473 Undergraduate Research
A course adapted to the study of special topics in studio art or art history. For advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration. Course may be repeated, but not to exceed eight semester hours in total.
Prerequisites: Permission of instructor.

DANC 1131 Dance Conditioning I
An activity class stressing the aesthetic aspects of dance. Emphasis on simple steps, movements, and combinations which build strength, flexibility, and body tone, as well as a sensitivity to music and a general awareness of form, line, and body placement.

DANC 1191 Dance Improvisation
In this course, you will learn about the fundamentals of improvisation and choreography and practice and discuss improvisation exercises that are used as tools for choreography and performance.

DANC 1241 Ballet I
Introduction to the fundamental theory, technique, and vocabulary of classical ballet.
TCCN: DANC 1241

DANC 1245 Modern I
This course serves as an introduction to the various dance techniques of Martha Graham, Paul Taylor, Bella Lewitzky, Bill Evans and other modern dance greats.
TCCN: DANC 1245

DANC 1247 Jazz I
An introduction to the style, technique, and vocabulary associated with jazz dance. Course includes a Luigi jazz warm-up providing a stretch-strength program with emphasis on correct alignment of the body. Repertoire includes classical, modern, and Broadway jazz. Individual skills emphasized, not choreography.
TCCN: DANC 1247

DANC 1341 Ballet I
Introduction to the fundamental theory, technique, and vocabulary of classical ballet.

DANC 1345 Modern I
This course serves as an introduction to the various dance techniques of Martha Graham, Paul Taylor, Bella Lewitzky, Bill Evans and other modern dance greats.

DANC 1347 Jazz I
An introduction to the style, technique, and vocabulary associated with jazz dance. Course includes a Luigi jazz warm-up providing a stretch-strength program with emphasis on correct alignment of the body. Repertoire includes classical, modern, and Broadway jazz. Individual skills emphasized, not choreography.

DANC 1349 Ballet Folklorico I
Mexican Folkloric Dance. Instruction and participation in the foot work and fundamental folk dance techniques of the different regions of Mexico. This course is designed to prepare students for dance as a performing art. Directed experiences in dance concerts and lecture demonstrations; performances and practices required.

DANC 1351 Dance Performance I
Instruction and participation in one of the following: ballet, jazz, flamenco or modern dance forms. Designed to expose students to dance concerts, lecture demonstrations, collaborative performances.

DANC 2192 Music for Dancers
Elements of music with emphasis on rhythm related to dance technique, performance, choreography, pedagogy and accompaniment. One lecture and two studio hours per week.

DANC 2241 Ballet II
Intermediate technique class in Ballet. Barre, center work and basic enchainements will be studied.
Prerequisites: DANC 1241 or permission of instructor.

DANC 2245 Modern II
Intermediate modern dance technique, floor and center work, rhythm and movement combinations.
Prerequisites: DANC 1245 or permission of instructor.
TCCN: DANC 1246

DANC 2247 Jazz II
Intermediate Jazz dance based technique, improvisation and repertory.
Prerequisites: DANC 1247 or permission of instructor.
TCCN: DANC 2247
DANC 2301 Beginning Modern
This studio course will introduce students to the art of Modern Dance. Students will explore traditional Modern Dance techniques as well as contemporary applications of the form. Through the bodily practice of warm-ups, technical exercises, choreographic combinations, and classroom discussions, students will gain a basic understanding of Modern Dance which will prepare them for more rigorous intermediate studies of Modern at the college level. This course is a prerequisite for DANC 3300.

DANC 2302 Beginning Ballet
This studio course will introduce students to the fundamentals of basic ballet technique, theory, and vocabulary. Students will learn improvement in balance, core strengthening, the relationship of movement to musicality, coordination, and self-discipline. Not only will the dance form provide physical exercise and muscle strengthening; it will also enhance the student’s awareness of self-expression through artistic movement. This course is a prerequisite for DANC 3300.

DANC 2304 Beginning Jazz
An introduction to the style, technique, and vocabulary associated with jazz dance. Course includes a jazz warm-up providing a stretch-strength program with emphasis on correct alignment of the body. Repertoire includes classical, modern, and Broadway jazz. Individual skills emphasized, not choreography.

DANC 2305 Beginning Ballet Folklorico
Mexican Folkloric Dance. The class includes instruction in the footwork and fundamental folk dance techniques from the different regions of Mexico. The course will prepare students for dance as a performing art. Participation in dance concerts is required.

DANC 2306 Beginning Flamenco
The study and performance of basic techniques and styles of Flamenco dance.

DANC 2341 Ballet II
Intermediate technique class in Ballet. Barre, center work and basic enchainements will be studied. Prerequisites: DANC 1341 or permission of instructor.

DANC 2349 Ballet Folklorico II
A continuation of DANC 1349. Prerequisites: Consent of Instructor.

DANC 2351 Dance Performance II
A continuation of DANC 1351.

DANC 3131 Dance Conditioning II
Continuation and progression of DANC 1131. Repeatable for credit up to two times.

DANC 3243 Ballet III
Advanced Ballet barre, center work and combinations. Introduction of partnering movements. Prerequisites: DANC 2243 or permission of instructor.

DANC 3247 Jazz III
Advanced Jazz based technique, center work and combinations. Prerequisites: DANC 2247 or permission of instructor.

DANC 3301 Intermediate Modern
Intermediate level modern technique, center work and combinations in Modern dance. This is a continuation from DANC 2301. Prerequisites: DANC 2301.

DANC 3302 Intermediate Ballet
This course is a continuation of DANC 2302. Intermediate Ballet barre, center work and combinations. Introduction of partnering movements. Prerequisites: DANC 2302.

DANC 3304 Intermediate Jazz
A continuation of basic jazz based dance technique, center work and combinations. Prerequisites: DANC 2304.

DANC 3305 Intermediate Ballet Folklorico
A continuation of DANC 2305 examining the cultural styles of Mexican Folkloric dance though practice and performance. Prerequisites: DANC 2305.

DANC 3306 Intermediate Flamenco
A continuation of DANC 2306. Students will learn and perform intermediate-level movements, techniques and footwork of the Flamenco style of dance. Prerequisites: DANC 2306.

DANC 3349 Ballet Folklorico III
A continuation of DANC 2349. Prerequisites: Consent of Instructor.

DANC 3351 Dance Performance III Mod
A continuation of DANC 2351.

DANC 3393 Dance History
A study of leading historical and contemporary Ballet and Modern dance Choreographers, performers, and writers and the framework from which dance evolved. Three lecture hours per week.

DANC 4182 Concert Choreography
Conceptualization, realization, direction and production of a choreographic work for a formal and informal presentation. Three studio hours per week.

DANC 4241 Ballet IV
Advanced ballet barre, center work and combinations. Repeatable for credit for up to two times. Prerequisites: DANC 3241 or permission of instructor.

DANC 4245 Modern IV
Advanced Modern technique, floor work and combinations. Repeatable for credit for up to two times. Prerequisites: DANC 3245 or permission of instructor.

DANC 4247 Jazz IV
Advanced Jazz based technique, center work and combinations. Repeatable for credit for up to two times. Prerequisites: DANC 3247 or permission of instructor.

DANC 4301 Advanced Modern
Advanced Modern technique, floor work and combinations built from skillset developed in DANC 3301. Prerequisites: DANC 3301.

DANC 4302 Advanced Ballet
This course is a continuation of DANC 3302 focused on advanced ballet barre, center work and combinations. Prerequisites: DANC 3302.
DANC 4304 Advanced Jazz
Advanced Jazz based technique, center work and combinations. Repeatable for credit for up to two times. Prerequisites: DANC 3304 or permission of instructor.

DANC 4305 Advanced Ballet Folklorico
An advanced study of the various regional styles of Mexican folkloric dance. Prerequisites: DANC 3305.

DANC 4306 Advanced Flamenco
A continuation of DANC 3306. This class focuses on advanced movement and techniques of the Flamenco style of dance. Prerequisites: DANC 3306.

DANC 4347 Jazz IV
Advanced Jazz based technique, center work and combinations. Repeatable for credit for up to two times. Prerequisites: DANC 3347 or permission of instructor.

DANC 4349 Ballet Folklorico IV
A continuation of DANC 3349. Repeatable for credit for up to two times. Prerequisites: Consent of Instructor.

DANC 4351 Dance Performance IV Mod/Flam
A continuation of DANC 3351. Repeatable for credit for up to two times.

MUAP 1113 Applied Music Instr
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Prerequisites: Successful placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 1010 for all music majors and minors.

MUAP 1213 Appl Music Instr
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ, percussion piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Repeatable for credit for up to two times. Prerequisites: Consent of instructor.

MUAP 3105 Junior Performance
Primarily for Juniors in the Bachelors of Music program. May be taken with others by consent of instructor. Participants will give a juried public recital. Prerequisites: Upper-level standing, concurrent enrollment in the corresponding MUAP class, and consent of instructors.

MUAP 3113 Appl Music Instr
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ, percussion piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Prerequisites: Successful placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 3010 for all music majors and minors.

MUAP 3213 Appl Music Instr
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Seminar attendance may be required. May be repeated for credit in accordance with degree plan. Prerequisites: Upper division standing, successful completion of at least two semester hours of MUAP 1213 or placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 3010 for all music majors and minors.

MUAP 4105 Senior Performance
For Seniors in Music. Participants will either give a recital or submit a senior thesis (BA degree only) judged successfully by the department as partial fulfillment of the degree requirement. Prerequisites: Upper-level standing, students must be concurrently enrolled in their primary instrument and have the consent of the instructor.

MUEN 1120 Symphonic Wind Ensemble
This course is designed to provide experience in a symphonic Wind Ensemble literature. Students will be exposed to a wide range of concert literature. Wind Ensemble is open to all university students and community members who qualify by audition. Course fee: $30. Prerequisites: Consent of instructor.

MUEN 1130 Chorale
This course provides experience in large vocal ensemble while developing vocal techniques such as proper breath support, tone production, and sight reading. Problems of intonation are addressed through aural training methods. A broad range of literature is covered. Several performances are covered every semester. The chorale is open to all university students and community members who qualify by audition. May be repeated for credit. Course fee: $30. Prerequisites: Consent of instructor.

MUEN 1133 Guitar Ensemble
This course requires participation in a select group of guitarists and other instrumentalists sharing experience in reading and performing of guitar literature for small instrumental ensembles. Repertoires studied and performed include classical, flamenco, new age, and contemporary as well as selected works written for instruments of the lute and guitar family, including original compositions by student composer-arrangers. Open to all students with sight-reading ability. May be repeated for credit. Prerequisites: Consent of instructor.

MUEN 1140 Band
This course is designed to provide experience in a symphonic band while developing many aspects of musicianship. Students are exposed to a wide range of literature from Show Band to Symphonic Band genres. Several performances are presented every semester. The Band is open to all University students and community members who can qualify by audition. May be repeated for credit. Prerequisites: Consent of instructor.
MUEN 1143 TAMIU Orchestra
This course is designed to provide experience in an orchestra ensemble while developing many aspects of musicianship. Students are exposed to a wide range of literature from orchestral musical genres. Several performances are presented every semester. The TAMIU Orchestra is open to all University students and community members who can qualify by audition. May be repeated for credit.
Prerequisites: Consent of instructor.

MUEN 1146 Jazz Ensemble
The course develops the student's musical skills in the Jazz idiom, beginning at its roots and traveling thru the Big Band's evolution to present day. At semester's end, the student should have a clearer picture in the scope of improvisation, and the development of a personal Jazz sound. Sight-reading, doubling, and ensemble playing should also become a part of the student's musical strengths. Course may be repeated for credit.

MUEN 1150 Chamber Music
This course provides experience in small instrumental ensembles of two or more. Students learn the art of close collaboration in assigned Duets, Trios, Quartets, etc. Weekly coaching. The equivalent of one lecture hour per week. May be repeated for credit. Prerequisite(s): Upper-division standing and two hours of lower-division applied music and/or ensemble, or consent of instructor.

MUEN 1160 Mariachi
In this course students learn the major repertoire of the Mexican Mariachi tradition. Multiple performances are presented every semester. Mariachi is open to all University students and community members who can qualify by audition. Must be taken in sequence. May be repeated for credit.
Prerequisites: Consent of instructor.

MUEN 3130 Chorale
This course provides experience in large vocal ensemble while developing vocal techniques such as proper breath support, tone production, and sight reading. Problems of intonation are addressed through aural training methods. A broad range of literature is covered. Several performances are covered every semester. The chorale is open to all university students and community members who can qualify by audition. May be repeated for credit. Course fee: $30.
Prerequisites: Consent of instructor.

MUEN 3133 Guitar Ensemble
This course requires participation in a select group of guitarists and other instrumentalist sharing experience in reading and performing of guitar literature for small instrumental ensembles. Repertoires studied and performed include classical, flamenco, new age, and contemporary as well as selected works written for instruments of the lute and guitar family, including original compositions by student composer-arrangers. Open to all students with sight-reading ability. May be repeated for credit.
Prerequisites: Consent of instructor.

MUEN 3140 Band
This course is designed to provide experience in a symphonic band while developing many aspects of musicianship. Students are exposed to a wide range of literature from Show Band to Symphonic Band genres. Several performances are presented every semester. The Band is open to all University students and community members who can qualify by audition. May be repeated for credit.
Prerequisites: Consent of instructor.

MUEN 3143 TAMIU Orchestra
This course is designed to provide experience in an orchestra ensemble while developing many aspects of musicianship. Students are exposed to a wide range of literature from orchestral musical genres. Several performances are presented every semester. The TAMIU Orchestra is open to all University students and community members who can qualify by audition. May be repeated for credit.
Prerequisites: Consent of instructor.

MUEN 3146 Jazz Ensemble
This course develops the student's musical skills in the Jazz idiom, beginning at its roots and traveling thru the Big Band's evolution to present day. At semester's end, the student should have a clearer picture in the scope of improvisation, and the development of a personal Jazz sound. Sight-reading, doubling, and ensemble playing should also become a part of the student's musical strengths. Course may be repeated for credit.

MUEN 3150 Chamber Music
This course provides experience in small instrumental ensembles of two or more. Students learn the art of close collaboration in assigned Duets, Trios, Quartets, etc. Weekly coaching. The equivalent of one lecture hour per week. May be repeated for credit. Prerequisite(s): Upper-division standing and two hours of lower-division applied music and/or ensemble, or consent of instructor.

MUEN 3160 Mariachi
In this course students learn the major repertoire of the Mexican Mariachi tradition. Multiple performances are presented every semester. Mariachi is open to all University students and community members who can qualify by audition. Must be taken in sequence. May be repeated for credit.
Prerequisites: Consent of instructor.

MUSI 1100 Music and Children
An introduction to the principles of music that can be related to the expressive and developmental needs of children from pre-school through the fourth grade.

MUSI 1116 Aural Training I
An introduction to aural training through sight-singing, dictation, and keyboard exercises reinforcing theoretical concepts learned in MUSI 1211.
Prerequisites: Current enrollment in or completion of MUSI 1211.
TCN: MUSI 1116

MUSI 1117 Aural Training II
A continuation of aural training through sight-singing, dictation, and keyboard exercises reinforcing theoretical concepts learned in MUSI 1212.
Prerequisites: Completion of MUSI 1116 with a grade of "C" or better, completion of MUSI 1211 or consent of instructor, current enrollment in or completion of MUSI 1212.
TCN: MUSI 1117

MUSI 1161 Diction I English & German
Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of standard English and German speech with an emphasis on resonance, breath control, vocal relaxation, posture, and other salient aspects of proper/healthy vocal production/training.
Prerequisites: Consent of instructor.
TCN: MUSI 1161
MUSI 1162 Diction II Italian & French
Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of standard Italian and French speech with an emphasis on resonance, breath control, vocal relaxation, posture and other salient aspects of proper/healthy vocal production/training.
Prerequisites: Consent of instructor.
TCCN: MUSI 2160

MUSI 1181 Piano Class I
An introduction to piano performance and keyboard skills in a group context. Music majors and minors are taught how to effectively apply the piano keyboard as a teaching/demonstration tool for future classroom teaching purposes. Enrollment restricted to music majors and minors.
TCCN: MUSI 1114

MUSI 1182 Piano Class II
A continuation of piano performance and keyboard skills in a group context.
Prerequisites: MUSI 1181 completed the previous semester with a grade of C or better, consent by audition, or consent of instructor.
TCCN: MUSI 1115

MUSI 1183 Class Piano I: Nonmusic Majors
An introduction to piano performance in a group context. Open to all University students who have no experience in piano.
TCCN: MUSI 1181

MUSI 1184 Class Piano II: Nonmusic Major
A continuation of piano performance and keyboard skills in a group context.
Prerequisites: MUSI 1183 completed the previous semester with a grade of C or better, consent by audition or consent of instructor.
TCCN: MUSI 1182

MUSI 1211 Music Theory I
An introduction to the elements of music; notation, scales, keys, intervals, chords, voice leading in four voices, and harmonic progression. Student must pass departmental theory placement exam, and concurrent enrollment in or completion of MUSI 1116.
TCCN: MUSI 1211

MUSI 1212 Music Theory II
A continuation of Music Theory I. An introduction to seventh chords and their inversions, four-part writing, modulation to closely related keys, and secondary dominant chords. Includes a general summary of baroque and classical harmonic practices through a survey of selected repertories from those styles.
Prerequisites: Completion of MUSI 1211 with a grade of "C" or better, completion of MUSI 1116 or consent of instructor, current enrollment in or completion of MUSI 1117.
TCCN: MUSI 1212

MUSI 1216 Aural Training I
An introduction to aural training through sight-singing, dictation, and keyboard exercises reinforcing theoretical concepts learned in MUSI 1211.
Prerequisites: Current enrollment in or completion of MUSI 1211.
TCCN: MUSI 1216

MUSI 1301 Music Fundamentals
Introduction to music fundamentals; staff, clefs, key signatures, scales, time signatures and notation, meter and rhythm, chords, harmony, melodic organization and structure. May be taken by all who desire to develop basic music skills. Satisfies Visual / Performing Arts credit.
TCCN: MUSI 1301

MUSI 1302 Computer/Electronic Music
An introductory course on the use of computer music programs and some electronic equipment for notation, arranging, composition, and performance.
Prerequisites: Completion of MUSI 1211 and 1212 with a grade of "C" or better.

MUSI 1306 Music Appreciation
An introduction to music masterpieces of the Western world. Explores musical elements, form, design and the relationship of music to other areas of cultural and historical development. Study begins with music of the Middle Ages and progresses by Era through the Twentieth Century. Live and recorded performances. For music minors and non-music majors. This course will satisfy the Visual and Performing Arts requirements of the core curriculum.
TCCN: MUSI 1306

MUSI 1310 American Popular Music
Designed primarily for non-music majors, this course satisfies the Visual and Performing Arts requirement of the core curriculum. This course is a general survey of various styles of popular music in America such as pop, rock, jazz, ragtime, folk, ethnic, and fusion in the twentieth century.
TCCN: MUSI 1310

MUSI 2116 Aural Training III
A continuation of MUSI 1116 and 1117, this is a companion course to 2211. It is designed to further the understanding of classical and chromatic harmony through related aural exercises, dictation, and sight singing.
Prerequisites: Completion of MUSI 1117 with a grade of "C" or better, completion of MUSI 1212 or consent of instructor, current enrollment in or completion of MUSI 2211.
TCCN: MUSI 2116

MUSI 2117 Aural Training IV
A continuation of MUSI 2116, this is a companion course to 2212. It is designed to further the understanding of classical and chromatic harmony through related aural exercises, dictation, and sight singing.
Prerequisites: Completion of MUSI 2116 with a grade of "C" or better, completion of MUSI 2211 or consent of instructor, current enrollment in or completion of MUSI 2212.
TCCN: MUSI 2117

MUSI 2160 Diction II German
Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of standard German speech with an emphasis on resonance, breath control, vocal relaxation, posture and other salient aspects of proper/healthy vocal production/training.
(Formerly MUSI 1162)
Prerequisites: Consent of instructor.
MUSI 2161 Diction III French
Application of the International Phonetic Alphabet’s vowel and consonant symbolization for production of standard French speech with an emphasis on resonance, breath control, vocal relaxation, posture and other salient aspects of proper/healthy vocal production/training.
Prerequisites: Consent of instructor.

MUSI 2181 Piano Class III
A continuation of piano performance and keyboard skills in a group context.
Prerequisites: MUSI 1182 completed the previous semester with a grade of C or better, consent by audition, or consent of instructor.

MUSI 2182 Piano Class IV
A continuation of piano performance and keyboard skills in a group context. Students pursuing a BM and/or BM all-level must pass the Piano Proficiency Exam at the end of this course to meet graduation requirements.
Prerequisites: MUSI 2181 completed the previous semester with a grade of C or better, consent by audition, or consent of instructor.

MUSI 2211 Music Theory III
A continuation of MUSI 1211 and 1212, this course is a broad summary of classical and chromatic harmony explored through written exercises, analysis, and correlated keyboard projects.
Prerequisites: Completion of MUSI 1212 with a grade of “C” or better, completion of MUSI 1117 or consent of instructor; current enrollment or completion of MUSI 2116.

MUSI 2212 Music Theory IV
A continuation of MUSI 2211, this course is an exploration of Twentieth Century through written exercises, analysis, and correlated keyboard projects.
Prerequisites: Completion of MUSI 2211 with a grade of “C” or better, completion of MUSI 2216 or consent of instructor, current enrollment in or completion of MUSI 2217.

MUSI 3100 Music and Children
An introduction to the principles of music that can be related to the expressive and developmental needs of children from pre-kindergarten through the sixth grade.

MUSI 3133 Elementary Music
A course which introduces the fundamentals of teaching music for elementary grades K-6. The course is taught in a laboratory setting with hands-on training in creating and implementing lesson plans with music content.
Prerequisites: Upper level standing in music major/minor or consent of instructor.

MUSI 3135 Guitar Methods
A course which introduces the fundamentals of playing guitar, including first position, notation reading and chordal accompaniment using free stroke, rest stroke and rasqueado techniques. The course is taught in a laboratory setting with hands-on training on actual instruments.
Prerequisites: Must have upper level training as a music major/minor or consent of instructor.

MUSI 3157 Opera Workshop V
The above courses are designed to give students experience in studying, rehearsing, and performing operas, operettas, or excerpts from them.
Prerequisites: Consent of instructor.

MUSI 3166 Woodwind Methods
A course which introduces the fundamentals of each of three families of woodwind instruments: single reeds, double reeds, and flute. The course is taught in a laboratory setting with hands-on training on actual instruments in each of the three families.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3168 Brass Methods
A course which introduces the fundamentals of each brass instrument (cornet/trumpet, horn, euphonium, trombone and tuba). The course is taught in a laboratory setting with hands-on training on actual instruments.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3182 Accompanying
This course is designed for keyboardists wishing to study the art of accompanying instrumental and vocal music. The necessary accompanying skills, techniques and artistry needed are addressed as well as developed. May be repeated for credit.

MUSI 3183 Voice Methods
A course which introduces the fundamentals of the vocal instrument: respiration, phonation, resonance, and articulation. The course is taught in a laboratory setting as students are observed and evaluated on their ability to diagnose and correct vocal faults and become acquainted with basic materials relevant to the voice.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3186 Woodwind Methods
A course which introduces the fundamentals of each family of woodwind instruments in each of the three families.
The course is taught in a laboratory setting with hands-on training on actual woodwind instruments: single reeds, double reeds, and flute. The course is taught in a laboratory setting with hands-on training on actual instruments in each of the three families.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3187 String Methods
A course which introduces the basic techniques of playing all string instruments.
Prerequisites: Must be a declared music major/minor with upper level standing or consent of instructor.

MUSI 3201 Score Arranging
In this course, students will learn and implement the principles of arranging music for a variety of instrumental ensembles. Students will study the basic elements of the range, transposition and timbre of each instrument and through analysis of musical examples they will learn to apply appropriate scoring techniques to arrange music for ensembles of varied size and instrumentation.
Prerequisites: MUSI 1302, and 2212 with a “C” or better.
MUSI 3213 Applied Music Instruction
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Seminar attendance may be required. May be repeated for credit in accordance with degree plan.
Prerequisites: Upper division standing, successful completion of at least two semester hours of MUAP 1213 or placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 3010 for all music majors and minors.

MUSI 3235 Guitar Class
A course which introduces the fundamentals of playing guitar, including first position, notation reading and chordal accompaniment using free stroke, rest stroke and rasqueado techniques. The course is taught in a laboratory setting with hands-on training on actual instruments.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3253 Basic Conducting
Including beginning score study of some musical terms, this course is designed to give students basic baton technique and ensemble control.
Prerequisites: MUSI 1211 and MUSI 1212

MUSI 3254 Advanced Conducting
A continuation of MUSI 3253. It includes further study of score preparation and ensemble rehearsal technique.
Prerequisites: Completion of MUSI 3253 with a grade of "C" or better.

MUSI 3300 Music History I
A historical survey of musical styles and genres in Western culture with emphasis on major composers and compositions of the Medieval, Renaissance, and Baroque periods.
Prerequisites: successful completion of music theory sequence (MUSI 2211) or consent of instructor.

MUSI 3301 Music History II
A historical survey of musical styles and genres in Western culture with emphasis on major composers and compositions of the Classic, Romantic, and Contemporary periods.
Prerequisites: successful completion of music theory sequence (MUSI 2211) or consent of instructor.

MUSI 3307 The Operatic Tradition
An in-depth analysis of several major operas; Instructor’s selection may vary at each offering. The course will concentrate on the literary as well as musical aspects of opera using multi-media presentations.
Prerequisites: MUSI 1307 or consent of instructor.

MUSI 3321 Art Song Literature I
The art song repertoire from the classical songs of Haydn and Mozart to the Romantic period.
Prerequisites: consent of instructor.

MUSI 3322 Art Song Literature II
The art song repertoire from the French mélodie to contemporary English and American art song.
Prerequisites: consent of instructor.

MUSI 3346 Form and Analysis
Studying musical elements and their function in various styles and forms.
Prerequisites: Completion of MUSI 2211 with a grade of "C" or better.

MUSI 3347 Counterpoint
Eighteenth Century contrapuntal style studied through analysis and writing.
Prerequisites: Completion of MUSI 2211 with a grade of "C" or better.

MUSI 4101 Special Topics in Music Lit
Advanced studies in music literature. Topic will vary at each offering. Offered every other year. May be repeated when topic changes.
Prerequisites: MUSI 3300 or 3301 or consent of instructor.

MUSI 4201 Special Topics in Music Lit
Advanced studies in music literature. Topic will vary at each offering. Offered every other year. May be repeated when topics vary.
Prerequisites: MUSI 3300 or 3301 or consent of instructor.

MUSI 4233 Secondary Music
An overview of music education in secondary school settings. A supervised, comprehensive study of instructional and rehearsal techniques and planning for secondary music programs.
Prerequisites: MUSI 3133, successful completion of Piano Proficiency Exam, and Admission to the College of Education.

MUSI 4257 Choral Lit & Teach Tech
A study of the literature, materials, and management techniques required for choral ensembles in secondary schools.
Prerequisites: Must be a declared music major/minor with upper level standing, or consent of instructor.

MUSI 4260 Instrumental Lit & Teach Tech
A study of the literature, materials, and management techniques required for both wind (band) and string (orchestra) ensembles in secondary schools. This course will also address the marching band as an ensemble.
Prerequisites: Must be a declared music major/minor with upper level standing, or consent of instructor.

MUSI 4201 Special Topics in Music Lit
Advanced studies in music literature. Topic will vary at each offering. Offered every other year. May be repeated when topics vary.
Prerequisites: MUSI 3300 or 3301 or consent of instructor.

MUSI 4301 Special Topics in Music Lit
Advanced studies in music literature. Topic will vary at each offering. Offered every other year. May be repeated when topic changes.
Prerequisites: MUSI 3300 or 3301 or consent of instructor.

MUSI 4350 Undergraduate Research
Individual projects to be completed under faculty supervision. The equivalent of three class hours a week for one semester. May be repeated for credit.
Prerequisites: Upper-division standing and consent of instructor and the department chair.

MUSI 4351 Special Topics in Music
A course adapted to the study of special topics in Music, for advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration. Course may be repeated, but not to exceed six semester hours in total. The course credit will carry a 3-credit load.
Prerequisites: Permission of instructor.
MUSI 4693 Music Student Teaching
Candidates will model proficiency in evidence-based practices in learner-centered music classrooms consistent with current state and professional standards, as it related to classroom management, assessment, instruction and technology in diverse classrooms. This course includes a full semester of supervised field-based experience in a public school music classroom. Candidates will be supervised by music faculty and college of education faculty.
Prerequisites: Must be in good standing with the College of Education requirements, pass the certification TExES content exam, and successful completion of EDCI 3315 and EDCI 4310.
Corequisites: EDSE 4350.

THAR 1310 Theatre Appreciation
Survey of all phases of theatre including its history, critical analysis, dramatic works, stage techniques, production procedures, and relation to the fine arts. Participation in major University productions may be required.
TCCN: DRAM 1310

THAR 2111 Theatre Practicum
Participation in semester theatrical production required. Participation may include acting, directing or backstage work. Rehearsal or work outside of class may be required. May be repeated twice for additional credit.
TCCN: DRAM 1120

THAR 2354 Acting Fundamentals
A beginning approach to the fundamental of acting, which may include sensory exercises, relaxation, concentration, imagination, improvisation, character analysis and scene work. Rehearsals or work outside of class may be required.
TCCN: DRAM 1351

THAR 2355 Script Analysis-WIN
Examination of foundational skills for understanding the structure and content of play scripts for interpretation and conceptualization in theatre productions by directors, designers, actors, and technicians. Introduces students to significant plays in the history of dramatic literature in the playwright's social and cultural context.
Prerequisites: TSI Ready in Reading and Writing or equivalent.

THAR 2366 Film Appreciation-WIN
Emphasis on the analysis of the visual and aural aspects of selected motion pictures, dramatic aspects of narrative films, and historical growth and sociological effect of film as an art. Interchangeable with COMM 2366.
TCCN: DRAM 2366

THAR 3100 Theatre and Children
An introduction to the principles of theatre performance related to the expressive and developmental needs of children from pre-kindergarten through the sixth grade.

THAR 3320 Survey of Theatre History-WIN
An introductory study of the theatre and its place in the social and cultural evolution from primitive civilization to the present. Selected examples of theatre literature are studied.
Prerequisites: Junior standing or consent of instructor.

THAR 3354 Acting Theory and Practice
An advance acting course in which the student explores and develops techniques of creating a role through analysis, rehearsal, and performance. Note: Outside rehearsal time may be needed throughout the semester. May be repeated twice for additional credit.

THAR 4111 Advanced Theatre Practicum
Participation in semester theatrical production required. Participation may include acting, directing or backstage work. May be repeated twice for additional credit.
Prerequisites: Junior Level Standing

THAR 4313 Special Topics in Theatre Arts
In-depth study of a specific area of theatre arts. Topics will include playwright's major plays, actor's film retrospective, film series analysis, and technical theatre & stage management. May be repeated twice for credit.

THAR 4364 Playwriting Workshop-WIN
This course explores writing for the theatre through practice and discussion, with an emphasis on playwriting, action, dialogue, character, and the analysis of contemporary playwrights.

Bachelor of Arts with a Major in Art (BA)

Degree Requirements

Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

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<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
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Major

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<td>ARTS 4333</td>
<td>Practicum Seminar in the Arts</td>
<td>3</td>
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</table>

ARTS Media

Select 6 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARTS 2316</td>
<td>Painting I</td>
</tr>
<tr>
<td>ARTS 2326</td>
<td>Sculpture I</td>
</tr>
<tr>
<td>ARTS 2333</td>
<td>Printmaking I</td>
</tr>
<tr>
<td>ARTS 2346</td>
<td>Ceramics I</td>
</tr>
</tbody>
</table>
Undergraduate Information

ARTS 2356  Photography I

Advanced ARTS Media electives
Select 12 SCH from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ARTS 3308</td>
<td>Intermediate Painting</td>
</tr>
<tr>
<td>ARTS 3309</td>
<td>Intermediate Sculpture</td>
</tr>
<tr>
<td>ARTS 3323</td>
<td>Intermediate Life Drawing</td>
</tr>
<tr>
<td>ARTS 3324</td>
<td>Intermediate Ceramics</td>
</tr>
<tr>
<td>ARTS 3333</td>
<td>Intermediate Printmaking</td>
</tr>
<tr>
<td>ARTS 3335</td>
<td>Intro to Computers and Art</td>
</tr>
<tr>
<td>ARTS 3365</td>
<td>Intermediate Photography</td>
</tr>
<tr>
<td>ARTS 4173 - ARTS 4473</td>
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Undergraduate Information

Spring

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>ARTS 4333</td>
<td>Practicum Seminar in the Arts</td>
<td>3</td>
</tr>
<tr>
<td>ARTS - Adv Art Media</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Adv Minor/General Elective</td>
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<tr>
<td>Advanced General Elective</td>
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</table>

**Semester Credit Hours**  12

**Total Semester Credit Hours** 120

* ARTS 1301 may be substituted for ARTS 1303. Students who do not elect to have a minor curriculum may use up to 12 hours of their available electives in additional courses in their major curriculum.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

Bachelor of Arts with a Major in Art with All Level Certification (BA)

Degree Requirements

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the “Requirements for Graduation” section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
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**Major**

<table>
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<tbody>
<tr>
<td>ARTS 1304</td>
<td>Art Hist Surv: Ren-Modern</td>
<td>3</td>
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<td>ARTS 1311</td>
<td>Design I for Art Majors/Minors</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1312</td>
<td>Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1316</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1317</td>
<td>Drawing II</td>
<td>3</td>
</tr>
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Select 6 SCH from the following: 6

<table>
<thead>
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<td>ARTS 2316</td>
<td>Painting I</td>
<td>1</td>
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<tr>
<td>ARTS 2326</td>
<td>Sculpture I</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 2333</td>
<td>Printmaking I</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 2346</td>
<td>Ceramics I</td>
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</tr>
<tr>
<td>ARTS 2356</td>
<td>Photography I</td>
<td>1</td>
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Select 15 SCH from the following: 15

<table>
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</thead>
<tbody>
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<td>ARTS 3308</td>
<td>Intermediate Painting</td>
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</tr>
<tr>
<td>ARTS 3309</td>
<td>Intermediate Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3323</td>
<td>Intermediate Life Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3324</td>
<td>Intermediate Ceramics</td>
<td>3</td>
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**Support Area**

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</thead>
<tbody>
<tr>
<td>EDRD 3320</td>
<td>Content Reading-WIN</td>
<td>3</td>
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<tr>
<td>ARTS 1303</td>
<td>Art Hist Surv: Prehist-Renaiss</td>
<td>3</td>
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</tbody>
</table>

**General Electives**

Select 1 SCH of lab for a Life & Physical Science course 1

**Total Semester Credit Hours** 120

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. 

Freshman

**Fall**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ARTS 1311</td>
<td>Design I for Art Majors/Minors</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1316</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelor of Music in Performance
(BM)

Degree Requirements

HOURS REQUIRED

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

<table>
<thead>
<tr>
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<tr>
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[University Core Curriculum] (p. 436)

Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation"

Major 1

Required MUSI courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Aural Training 5

MUSI 1116  Aural Training I
MUSI 1117  Aural Training II
MUSI 2116  Aural Training III
MUSI 2117  Aural Training IV

Piano 2

MUSI 1181  Piano Class I

*Students must apply for admission to the College of Education while enrolled in EDCI 3200.

Some courses may require prerequisites not listed.

Actual degree plans may vary depending on availability of courses in a given semester.
Music Ensemble Participation and Requirements

Music Majors and Minors are assigned to Large Ensembles on the following basis:

1. Major or Minor in Music: An audition is required for entrance into all music degrees, including the music minor. Must audition with full-time faculty of the music performance area.
2. BM Performance: Those music majors changing from BM All-level Certification to BM performance must re-audition for acceptance into the BM Performance degree.
3. Must complete 6 semesters in the same principle area.
4. A student in any degree program whose major is a woodwind, brass, or percussion instrument must register for Band MUEN 1140/3140.
5. A student in any degree program whose major instrument is an orchestral stringed instrument must register for Orchestra MUEN 1143/3143.
6. A student in any degree program whose major is voice must register for Chorale MUEN 1130/3130.
7. Guitarists and keyboardist/pianists must enroll in a large ensemble: (Chorale/Band/Orchestra) based on their vocal or instrumental strengths and the needs of the ensemble. Approval of Ensemble Director is required.
8. Enrollment in additional ensembles including Mariachi, Jazz, Chamber Music and Guitar Ensemble is highly recommended.
9. Exceptions to these requirements will be made only with the approval of the student's applied music teacher, the Department Chair and the appropriate ensemble director. A record of such exception must be presented to the Office of the Registrar to ensure ensemble requirements are met for graduation purposes.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)
<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td>MUSI 1211</td>
<td>Music Theory I</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>MUEN 11XX Large Ensemble</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
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**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
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</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>MUAP 1213</td>
<td>Appl Music Instr (with 1010)</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 1117</td>
<td>Aural Training II</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 1182</td>
<td>Piano Class II</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 1212</td>
<td>Music Theory II</td>
<td>2</td>
</tr>
<tr>
<td>MUEN 11XX Large Ensemble</td>
<td></td>
<td>1</td>
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<tr>
<td><strong>Semester Credit Hours</strong></td>
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**Sophomore**

**Fall**

<table>
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<tbody>
<tr>
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<td>American National Government</td>
<td>3</td>
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<tr>
<td>MUAP 1213</td>
<td>Appl Music Instr (with 1010)</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 2116</td>
<td>Aural Training III</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 2181</td>
<td>Piano Class III</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 2211</td>
<td>Music Theory III</td>
<td>2</td>
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<tr>
<td>MUEN 11XX Large Ensemble</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
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<td>3</td>
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<tr>
<td>Life &amp; Physical Science Lab</td>
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<tr>
<td>Social/Behavioral Science</td>
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**Spring**

<table>
<thead>
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<tbody>
<tr>
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<td>Appl Music Instr (with 1010)</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 2117</td>
<td>Aural Training IV</td>
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<td>MUSI 2182</td>
<td>Piano Class IV</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 2212</td>
<td>Music Theory IV</td>
<td>2</td>
</tr>
<tr>
<td>MUEN 11XX Large Ensemble</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>3</td>
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<tr>
<td>Language, Philosophy, &amp; Culture</td>
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<td>3</td>
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<tr>
<td>Creative Arts</td>
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**Junior**

**Fall**

<table>
<thead>
<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MUAP 3213</td>
<td>Appl Music Instr (with 3010)</td>
<td>2</td>
</tr>
<tr>
<td>MUEN 1150</td>
<td>Chamber Music</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 1302</td>
<td>Computer/Electronic Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 3300</td>
<td>Music History I</td>
<td>3</td>
</tr>
<tr>
<td>MUEN 31XX Large Ensemble</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Advanced Fine Arts Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Semester Credit Hours</strong></td>
<td></td>
<td><strong>13</strong></td>
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**Spring**

<table>
<thead>
<tr>
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<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MUAP 3105</td>
<td>Junior Performance</td>
<td>1</td>
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<tr>
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<td>Appl Music Instr (with 3010)</td>
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</tr>
<tr>
<td>MUEN 1150</td>
<td>Chamber Music</td>
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</tr>
<tr>
<td>MUSI 3253</td>
<td>Basic Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 3301</td>
<td>Music History II</td>
<td>3</td>
</tr>
<tr>
<td>MUEN 31XX Large Ensemble</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Advanced Fine Arts Elective</td>
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<tr>
<td><strong>Semester Credit Hours</strong></td>
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**Senior**

**Fall**

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<tr>
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<td>Appl Music Instr (with 3010)</td>
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<td>MUEN 3150</td>
<td>Chamber Music</td>
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<td>MUSI 3347</td>
<td>Counterpoint</td>
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<tr>
<td>MUSI 4260</td>
<td>Instrumental Lit &amp; Teach Tech</td>
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<td><strong>Semester Credit Hours</strong></td>
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**Spring**

<table>
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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>MUAP 3213</td>
<td>Appl Music Instr (with 3010)</td>
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<td>MUAP 4105</td>
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<td>MUSI 3346</td>
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<td>Advanced Fine Arts Elective</td>
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<tr>
<td><strong>Semester Credit Hours</strong></td>
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</tr>
</tbody>
</table>

**Total Semester Credit Hours** | **120**

* When enrolled in applied music lessons, students must be concurrently enrolled in both an assigned University ensemble and music convocation.

* When enrolled in a University ensemble, students must adhere to Music Ensemble Participation and Requirements guidelines.

* Fine Arts Electives, select 10 SCH from 3000-4000 level MUAP, MUEN, MUSI, ARTS, THAR or DANC coursework with approval of music studies advisor.

* Note: All Music Theory and Aural Training SCH must be completed with a grade of "C" or better.

* Major or Minor in Music: An audition is required for entrance into all music degrees, including the music minor. Student must audition with a full time faculty of the music performance area.

* BM Performance: Those music majors changing from BM All-level Certification to BM performance must re-audition for acceptance into the BM Performance degree.

* Must complete 6 semesters in the same principal area.

* Actual degree plans may vary depending on availability of courses in a given semester.

* Some courses may require prerequisites not listed.
Bachelor of Music Education (BM)
Degree Requirements
HOURS REQUIRED
A minimum of 131 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>Major</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required MUSI courses:</td>
<td>43</td>
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<tr>
<td>Aural Training</td>
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<tr>
<td>MUSI 1116</td>
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</tr>
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<td>MUSI 2116</td>
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<td></td>
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<tr>
<td>MUSI 2117</td>
<td>Aural Training IV</td>
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<tr>
<td>Piano</td>
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<tr>
<td>MUSI 1181</td>
<td>Piano Class I</td>
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</tr>
<tr>
<td>MUSI 1182</td>
<td>Piano Class II</td>
<td></td>
</tr>
<tr>
<td>MUSI 2181</td>
<td>Piano Class III</td>
<td></td>
</tr>
<tr>
<td>MUSI 2182</td>
<td>Piano Class IV</td>
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</tr>
<tr>
<td>Music Theory</td>
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<tr>
<td>MUSI 1211</td>
<td>Music Theory I</td>
<td></td>
</tr>
<tr>
<td>MUSI 1212</td>
<td>Music Theory II</td>
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<tr>
<td>MUSI 2211</td>
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<td>Music History</td>
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<tr>
<td>MUSI 3300</td>
<td>Music History I</td>
<td></td>
</tr>
<tr>
<td>MUSI 3301</td>
<td>Music History II</td>
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<tr>
<td>Other Restrictive MUSI courses</td>
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<td>Computer/Electronic Music</td>
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<td>MUSI 3133</td>
<td>Elementary Music</td>
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<td>MUSI 3183</td>
<td>Voice Methods</td>
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<tr>
<td>MUSI 3201</td>
<td>Score Arranging^{*}</td>
<td></td>
</tr>
<tr>
<td>MUSI 3253</td>
<td>Basic Conducting</td>
<td></td>
</tr>
<tr>
<td>MUSI 3254</td>
<td>Advanced Conducting</td>
<td></td>
</tr>
<tr>
<td>MUSI 3346</td>
<td>Form and Analysis</td>
<td></td>
</tr>
<tr>
<td>MUSI 4233</td>
<td>Secondary Music</td>
<td></td>
</tr>
<tr>
<td>MUSI 4260</td>
<td>Instrumental Lit &amp; Teach Tech</td>
<td></td>
</tr>
<tr>
<td>Select 3 SCH from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSI 3135</td>
<td>Guitar Methods</td>
<td></td>
</tr>
<tr>
<td>MUSI 3166</td>
<td>Woodwind Methods</td>
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</tr>
<tr>
<td>MUSI 3168</td>
<td>Brass Methods</td>
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</tr>
<tr>
<td>MUSI 3188</td>
<td>Percussion Methods</td>
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</tr>
<tr>
<td>MUSI 3189</td>
<td>String Methods</td>
<td></td>
</tr>
<tr>
<td>MUAP Courses^{3}</td>
<td>13</td>
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<tr>
<td>Required Coursework</td>
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<tr>
<td>MUAP 4105</td>
<td>Senior Performance^{4}</td>
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</tr>
<tr>
<td>12 SCH of MUAP with at least 6 SCH upper division in primary instrument.</td>
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<tr>
<td>MUEN Courses</td>
<td>7</td>
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<tr>
<td>7 SCH of MUEN Large Ensemble, at least 3 SCH of which must be at the 3000 level.</td>
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<tr>
<td>Professional Education Core</td>
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<tr>
<td>EDCI 1102</td>
<td>Intro to Teaching Profession</td>
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<tr>
<td>EDCI 2224</td>
<td>Cultural Foundations of Ed</td>
<td></td>
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<tr>
<td>EDCI 3200</td>
<td>Survey of Content Know &amp; Exper</td>
<td></td>
</tr>
<tr>
<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
<td></td>
</tr>
<tr>
<td>EDCI 3315</td>
<td>Impl Eff Inst Strat Div Lmrns</td>
<td></td>
</tr>
<tr>
<td>EDCI 4310</td>
<td>Engaging Learners</td>
<td></td>
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<tr>
<td>EDRD 3320</td>
<td>Content Reading-WIN</td>
<td></td>
</tr>
<tr>
<td>EDSE 4350</td>
<td>Inc Pract Ch&amp;Yth W/Disablt</td>
<td></td>
</tr>
<tr>
<td>MUSI 4693</td>
<td>Music Student Teaching</td>
<td></td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>131</td>
<td></td>
</tr>
</tbody>
</table>

Music Ensemble Participation and Requirements
- Major or Minor in Music: An audition is required for entrance into all music degrees, including the music minor. Instrumental majors take Score Arranging. Vocal majors take instead: MUSI 1161 Diction I English & German, and MUSI 1162 Diction II Italian & French

^{1} Music Majors and Minors are assigned to Large Ensembles on the following basis:
- A student in any degree program whose major is a woodwind, brass, or percussion instrument must register for Band MUEN 1140/3140.
- A student in any degree program whose major instrument is an orchestral stringed instrument must register for Orchestra MUEN 1143/3143.
- A student in any degree program whose major is voice must register for Chorale MUEN 1130/3130.
- Guitarists and keyboardist/pianists must enroll in a large ensemble: (Chorale/Band/Orchestra) based on their vocal or instrumental strengths and the needs of the ensemble. Approval of Ensemble Director is required.
- Enrollment in additional ensembles including Mariachi, Jazz, Chamber Music, and Guitar Ensemble is highly recommended.
- Exceptions to these requirements will be made only with the approval of the student's applied music teacher, the Department Chair, and the appropriate ensemble director. A record of such exception must be presented to the Office of the Registrar to ensure ensemble requirements are met for graduation purposes.
- Must audition with a full-time faculty of the major music performance area.

^{2} Students must pass a piano proficiency exam or MUSI 2182.

^{3} When enrolled in applied music lessons, students must be concurrently enrolled in both an assigned University ensemble and a corresponding MUAP course.

^{4} Senior recital must be taken concurrently with the appropriate Major area applied lesson (MUAP 32xx).
### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 1102</td>
<td>Intro to Teaching Profession</td>
<td>1</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>MUAP 1213</td>
<td>Appl Music Instr (with MUAP 1010)</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 1116</td>
<td>Aural Training I</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 1181</td>
<td>Piano Class I</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 1211</td>
<td>Music Theory I</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 11XX Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Creative Arts</td>
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<td>3</td>
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<td>Semester Credit Hours</td>
<td>19</td>
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| Spring | ENGL 1302 | English Composition II | 3  |
|        | HIST 1302 | The US Since 1877      | 3  |
|        | UNIV 1302 | Signature Course       | 3  |
|        | MUAP 1213 | Appl Music Instr (with MUAP 1010) | 2  |
|        | MUSI 1117 | Aural Training II      | 1  |
|        | MUSI 1182 | Piano Class II         | 1  |
|        | MUSI 1212 | Music Theory II        | 2  |
|        | MUSI 11XX Large Ensemble | 1 |                     |
|        |               | Semester Credit Hours | 16 |                     |

<table>
<thead>
<tr>
<th>Sophomore</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 2224</td>
<td>Cultural Foundations of Ed</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 2116</td>
<td>Aural Training III</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 2181</td>
<td>Piano Class III</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 2211</td>
<td>Music Theory III</td>
<td>2</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 11XX Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
<td></td>
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<tr>
<td></td>
<td>Semester Credit Hours</td>
<td>17</td>
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</table>

| Spring | EDCI 3200 | Survey of Content Know & Exper | 2  |
|        | MUAP 1213 | Appl Music Instr (with MUAP 1010) | 2  |
|        | MUSI 2117 | Aural Training IV               | 1  |
|        | MUSI 2182 | Piano Class IV                  | 1  |
|        | MUSI 2212 | Music Theory IV                 | 2  |
|        | MUSI 11XX Large Ensemble | 1 |                     |
|        | Social/Behavioral Science | 3  |
|        | Life & Physical Science | 3  |
|        | Language, Philosophy, & Culture | 3 |                     |
|        |               | Semester Credit Hours | 18 |                     |

<table>
<thead>
<tr>
<th>Junior</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
<td>3</td>
</tr>
<tr>
<td>MUAP 3213</td>
<td>Appl Music Instr (with MUAP 3010)</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 1302</td>
<td>Computer/Electronic Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 3133</td>
<td>Elementary Music</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 3253</td>
<td>Basic Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 3300</td>
<td>Music History I</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 31XX Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Semester Credit Hours</td>
</tr>
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</table>

| Spring | EDRD 3320 | Content Reading-WIN | 3  |
|        | MUAP 3213 | Appl Music Instr (with MUAP 3010) | 2  |
|        | MUSI 3183 | Voice Methods | 1  |
|        | MUSI 3346 | Form and Analysis | 3  |
|        | MUSI 4233 | Secondary Music | 2  |
|        | MUSI 4260 | Instrumental Lit & Teach Tech | 2  |
|        | MUSI 31XX Large Ensemble | 1 |                     |
|        | MUSI - Addtl Pedagogy | 1 |                     |
|        |               | Semester Credit Hours | 15 |                     |

<table>
<thead>
<tr>
<th>Senior</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 3315</td>
<td>Impl Eff Inst Strat Div Lmrs</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 4310</td>
<td>Engaging Learners</td>
<td>3</td>
</tr>
<tr>
<td>MUAP 3213</td>
<td>Appl Music Instr (with MUAP 3010)</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 3301</td>
<td>Music History II</td>
<td>3</td>
</tr>
<tr>
<td>MUSI - Addtl Pedagogy</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MUSI 31XX Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MUSI 3254</td>
<td>Advanced Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 4105</td>
<td>Senior Performance</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Semester Credit Hours</td>
</tr>
</tbody>
</table>

| Spring | EDSE 4350 | Inc Pract Ch&Yth W/Disabits | 3  |
|        | MUSI 3201 | Score Arranging | 2  |
|        | MUSI 4693 | Music Student Teaching | 6  |
|        | MUSI - Addtl Pedagogy | 1 |                     |
|        |               | Semester Credit Hours | 12 |                     |
|        | Total Semester Credit Hours | 131 |                     |

1. PSYC 2314 strongly recommended.
2. Instrumental majors take Score Arranging. Vocal majors take instead: MUSI 1161 Diction I English & German, and MUSI 1162 Diction II Italian & French
* When enrolled in applied music lessons, students must be concurrently enrolled in both an assigned University ensemble and music convocation.

When enrolled in a University ensemble, students must adhere to Ensemble Participation and Requirements guidelines.

Music Pedagogy, select 3 SCH from MUSI 3135, MUSI 3166, MUSI 3168, MUSI 3188 or MUSI 3189.

Note: Major or Minor in Music: An audition is required for entrance into all music degrees, including the music minor. Student must audition with a full time faculty of the music performance area.

* Actual degree plans may vary depending on availability of courses in a given semester.

* Some courses may require prerequisites not listed.

Art History Minor

Minor Curriculum - Art History

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1303</td>
<td>Art Hist Surv: Prehist-Renaiss</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1304</td>
<td>Art Hist Surv: Ren-Modern</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3310</td>
<td>Studies Art Hist &amp; Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3330</td>
<td>18th &amp; 19th Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3352</td>
<td>Modern Art 1860-1960</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3353</td>
<td>Art since 1945</td>
<td>3</td>
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</table>

Total Semester Credit Hours 18

Dance Minor

Minor Curriculum - Dance

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>DANC 1131</td>
<td>Dance Conditioning I</td>
<td>1</td>
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<tr>
<td>DANC 1191</td>
<td>Dance Improvisation</td>
<td>1</td>
</tr>
<tr>
<td>DANC 3393</td>
<td>Dance History</td>
<td>3</td>
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<tr>
<td>DANC 4182</td>
<td>Concert Choreography</td>
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Performance & Technique Electives 12

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>DANC 2301</td>
<td>Beginning Modern</td>
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<tr>
<td>DANC 2302</td>
<td>Beginning Ballet</td>
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<tr>
<td>DANC 2304</td>
<td>Beginning Jazz</td>
</tr>
<tr>
<td>DANC 2305</td>
<td>Beginning Ballet Folklorico</td>
</tr>
<tr>
<td>DANC 2306</td>
<td>Beginning Flamenco</td>
</tr>
<tr>
<td>DANC 3301</td>
<td>Intermediate Modern</td>
</tr>
<tr>
<td>DANC 3302</td>
<td>Intermediate Ballet</td>
</tr>
<tr>
<td>DANC 3304</td>
<td>Intermediate Jazz</td>
</tr>
<tr>
<td>DANC 3305</td>
<td>Intermediate Ballet Folklorico</td>
</tr>
<tr>
<td>DANC 3306</td>
<td>Intermediate Flamenco</td>
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</table>

Total Semester Credit Hours 18

Music Minor

Minor Curriculum - Music

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSI 1116</td>
<td>Aural Training I</td>
<td>1</td>
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<tr>
<td>MUSI 1117</td>
<td>Aural Training II</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 1211</td>
<td>Music Theory I</td>
<td>2</td>
</tr>
<tr>
<td>MUSI 1212</td>
<td>Music Theory II</td>
<td>2</td>
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</tbody>
</table>

Applied Music

Select six hours of MUAP 3213 6

Music Ensemble

Select six hours Performance Music Ensemble from any 3000 level MUEN subject of choice. 6

Total Semester Credit Hours 18

1 Music Majors and Minors are assigned to Large Ensembles on the following basis:

- A student in any degree program whose major is a woodwind, brass, or percussion instrument must register for Band MUEN 1140/3140.
- A student in any degree program whose major instrument is an orchestral stringed instrument must register for Orchestra MUEN 1143/3143.
- A student in any degree program whose major is voice must register for Chorale MUEN 1130/3130.
- Guitarists and keyboardists/pianists must enroll in a large ensemble: (Chorale/Band/Orchestra) based on their vocal or instrumental strengths and the needs of the ensemble. Approval of Ensemble Director is required.
- Enrollment in additional ensembles including Mariachi, Jazz, Chamber Music and Guitar Ensemble is highly recommended.
- Exceptions to these requirements will be made only with the approval of the student's applied music teacher, the Department Chair and the appropriate ensemble director. A record of such exception must be presented to the Office of the Registrar to ensure ensemble requirements are met for graduation purposes.

2 Music minors must fulfill their ARTS core requirement with MUSI 1306.

3 All lower-level Aural Training and Music Theory courses must be passed with a "C" or better. When enrolled in applied music lessons, students must be concurrently enrolled in both an assigned University ensemble and music convocation.
Major and Minor in Music: An audition is required for entrance into all music degrees, including the music minor. Must audition with full-time faculty of the music performance area.

Must complete 6 semesters in the same principal area.

### Studio Art Minor
#### Minor Curriculum - Studio Art

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1311</td>
<td>Design I for Art Majors/Minors</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1316</td>
<td>Drawing I</td>
<td>3</td>
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</table>

Select four courses from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ARTS 3308</td>
<td>Intermediate Painting</td>
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</tr>
<tr>
<td>ARTS 3309</td>
<td>Intermediate Sculpture</td>
<td></td>
</tr>
<tr>
<td>ARTS 3323</td>
<td>Intermediate Life Drawing</td>
<td></td>
</tr>
<tr>
<td>ARTS 3324</td>
<td>Intermediate Ceramics</td>
<td></td>
</tr>
<tr>
<td>ARTS 3333</td>
<td>Intermediate Printmaking</td>
<td></td>
</tr>
<tr>
<td>ARTS 3335</td>
<td>Intro to Computers and Art</td>
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</tr>
<tr>
<td>ARTS 3365</td>
<td>Intermediate Photography</td>
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</tr>
<tr>
<td>ARTS 4173-ARTS 4473</td>
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</tr>
<tr>
<td>ARTS 4301</td>
<td>Advanced Drawing</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 4303</td>
<td>Advanced Painting</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 4304</td>
<td>Advanced Sculpture</td>
<td></td>
</tr>
<tr>
<td>ARTS 4324</td>
<td>Advanced Ceramics</td>
<td></td>
</tr>
<tr>
<td>ARTS 4331</td>
<td>Advanced Printmaking</td>
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</tr>
<tr>
<td>ARTS 4334</td>
<td>Sem: Special Topics Visual Art</td>
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</tr>
<tr>
<td>ARTS 4361</td>
<td>Illustration/Elec Imaging</td>
<td></td>
</tr>
<tr>
<td>ARTS 4365</td>
<td>Advanced Photography</td>
<td></td>
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</tbody>
</table>

Total Semester Credit Hours: 18

\(^1\) Undergraduate Research. (With consent of Instructor.)

Note: Studio Minors should take ARTS 1303 or ARTS 1304 as part of their Visual and Performing Arts requirement in the core curriculum.

### Theatre Arts Minor
#### Minor Curriculum - Theatre Arts

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 6 SCH from 1000-2000 THAR courses</td>
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<td>6</td>
</tr>
<tr>
<td>Select 6 SCH from 3000-4000 THAR courses</td>
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<td>6</td>
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<tr>
<td>THAR 3320</td>
<td>Survey of Theatre History-WIN</td>
<td>3</td>
</tr>
<tr>
<td>THAR 4364</td>
<td>Playwriting &amp; Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 18

### Humanities
#### Degrees
##### Majors
- Bachelor of Arts with a Double Major (BA) (p. 66)
- Bachelor of Arts with Majors in Communication and Spanish (BA) (p. 135)
- Bachelor of Arts with a Major in English (BA) (p. 137)
- Bachelor of Arts with a Major in English with Grades 7-12 Certification (BA) (p. 139)
- Bachelor of Arts with a Major in History (BA) (p. 140)
- Bachelor of Arts with a Major in History with Grades 7-12 Certification (BA) (p. 144)
- Bachelor of Arts with a Major in Spanish (BA) (p. 146)
- Bachelor of Arts with a Major in Spanish with All Level Certification (BA) (p. 148)
- Bachelor of Arts with a Major in History and Political Science (BA) (p. 142)

##### Minors
- Creative Writing (p. 149)
- English (p. 150)
- History (p. 150)
- Spanish (p. 151)
- Translations of English and Spanish (p. 151)
- Women's & Gender Studies (p. 151)
- Writing and Rhetoric (p. 151)
- Philosophy (p. 150)

#### Courses
##### ARAB 1311 Beginning Arabic I
In this course students will acquire fundamental skills in listening comprehension, speaking, reading and writing. Includes basic vocabulary, grammatical structures and culture.
TCCN: ARAB 1411

##### ARAB 1312 Beginning Arabic II
A continuation of ARAB 1311, students will acquire additional skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
Prerequisites: ARAB 1311 or consent of instructor.
TCCN: ARAB 1412

##### ARAB 1620 Beginning Arabic
An intensive beginning Arabic course. Six semester hours plus one hour lab. In this course students will acquire fundamental skills in listening comprehension, speaking, reading and writing. Includes basic vocabulary, grammatical structures, and culture. Six semester hours plus one hour lab (Cross-listed with ARAB 1311 and ARAB 1312).
ENGL 1301 English Composition I
The goal of this course is to develop students’ expository and analytical writing skills by guiding them through the multiple stages of the writing process and by creating an awareness of authorial voice, audience, purpose, and occasion. Students will also employ critical thinking and reading skills in the evaluation of selected readings designed to further emphasize the writing process. This course will provide an introduction to writing the documented essay, to acquiring information literacy skills, and to evaluating both printed and electronic sources. To earn credit, this course must be completed with a "C" or better.
Prerequisites: Completion of Texas Success Initiative (TSI) Writing requirements, English 1301 or appropriate level developmental course sequence.
TCCN: ENGL 1301

ENGL 1302 English Composition II
This course offers a continuation of the expository and analytical writing skills developed in English 1301 and introduces the principles of argumentation and more extensive interpretation of selected readings. Students will again be engaged in all steps of the writing process, generating argumentative essays based on thoughtful analysis and discussion of reading assignments. In addition, students will be guided through the steps of more sophisticated research writing techniques, information literacy skills, and evaluation of primary and secondary sources, culminating in a series of essay length research projects. To earn credit, this course must be completed with a "C" or better.
Prerequisites: ENGL 1301.
TCCN: ENGL 1302

ENGL 2307 Intro to Creative Writing
This introductory course is designed to give students the opportunity to explore their abilities and interests in a variety of genres. The course will emphasize the aesthetic demands of different genres through formal study of required readings and especially through first-hand experience of writing exercises. Students will write in at least two of the following genres: poetry, short fiction, drama, screenwriting, and non-fiction.
Prerequisites: ENGL 1302 with a grade of "C" or better.
TCCN: ENGL 2307

ENGL 2311 Technical Communication-WIN
This course focuses upon the analysis and application of oral, written, and visual communication principles and practices, including strategies for interpersonal communication, effective teamwork, public speaking, and technical writing. Participants will develop written, oral, and visual components of technical communication, which include specialized processes, methods, and/or specialized knowledge sets belonging to any number of disciplines, including, but not limited to, social sciences, applied or industrial sciences, mass media, and engineering. Students will practice individual and collaborative composing processes in the creation of ethical and effective communication.
Prerequisites: Satisfactory completion of ENGL 1302 with a grade of "C" or better or equivalent course, or satisfactory completion of ENGL 1301 with a grade of "C" or better or equivalent course if enrolled in a baccalaureate program with the School of Engineering.
TCCN: ENGL 2311

ENGL 2322 British Lit Through Neoclass
A study of notable developments, works, and authors in the literature of Britain through Neoclassicism. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2322

ENGL 2323 British Lit: Romantics-Pres
A study of notable developments, works, and authors in the literature of Britain through Neoclassicism. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2323

ENGL 2327 American Lit to the Civil War
Covers major literary development, authors, and works in American literature through the Civil War. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2327

ENGL 2328 American Lit: Civil War-Pres
Introduces notable authors such as Whitman, Twain, Dickinson, James, Crane, Hemingway, Faulkner, O’Neill, Frost, Eliot, Brooks, Wright, etc. as well as evolutions in literary taste and practices. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 or equivalent course.
TCCN: ENGL 2328

ENGL 2332 Survey of World Lit to 1650
Familiarizes the student with several non-English literary traditions and gives them an understanding of the inter-relatedness of cultures and civilizations. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2332

ENGL 2333 Survey of World Lit Since 1650
A study of several non-European literary traditions in the past three centuries, including African, Indian, Persian, Chinese, and Japanese. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2333

ENGL 2365 Literature and Film
This course explores how film and literature interact. Novels, short stories and plays are analyzed in relation to film versions of the same works in order to gain an understanding of the possibilities—and problems—involves in adapting them to film.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2342
ENGL 3301 Advanced Composition-WIN
Provides opportunities to expand writing skills by experimenting with a variety of genres and rhetorical conventions. This course will involve non-literary, multiple genre textual analysis as a source for writing assignments and will refine students’ sense of authorial voice and style. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3302 Writing in the Disciplines-WIN
Provides opportunities for students to write in various disciplinary areas, including, but not limited to, Fine and Performing Arts, Social Sciences, Natural Sciences, and Humanities. Students engage in the writing process and compose a number of writing projects that meet the expectations of a given genre and discipline, including, but not limited to visual analysis, critical analysis, and argument-synthesis. Research and critical reading, writing, and thinking are emphasized. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3307 Special Top Non-Fic Prose Writ
Exploration of and pracitcum in the genre of nonfiction prose. Guided by analysis of audience, technique, and style and critical reading of the nonfiction prose of established authors, as well as by essays on creative nonfiction writing, students will practice writing about culture, family, personal identity, or significant life events with the goal of producing essays that are interesting, pertinent, and meaningful to a broad selection of readers. May be repeated when topic varies. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3311 General Linguistics
A study of the linguistic nature of language, including general language principles, phonetics, semantics, syntax, and socio-linguistics. May be taken by a student who has taken ENGL 4309. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3320 The Middle Ages
A study of selected authors, historical periods, literary movements, genres, themes, or cultural issues in the literature of the Middle Ages. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3321 The 16th Century
A study of the literature from Henry VII’s ascension to the throne up through Elizabeth I’s reign. The course examines cultural, social, and political developments influencing the writers under study. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3322 The 17th Century
A study of British Literature from the end of Elizabeth I’s reign through the end of the seventeenth century. The course examines cultural, social, and political developments influencing the writers under study. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3323 The Restoration & 18th Cent
A study of the drama, poetry, and prose of the Restoration and the eighteenth century. The course examines cultural, social, and political developments influencing the writers under study. Authors may include Congreve, Dryden, Pope, Swift, and Samuel Johnson. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3324 19th Cent Brit. Lit: Romantics
A study of the poetry and fictional and/or non-fictional prose of the “Romantic” period in British Literature (roughly 1785-1830). The course examines cultural, social, and political developments influencing the writers under study. Authors may include Wordsworth, Coleridge, Byron, the Shelleys, and Wollstonecraft. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3325 19th Century Lit: Victorians
A study of the poetry and prose of the Victorian age. The course examines cultural, social, and political developments influencing the writers under study. Authors may include Dickens, the Bronte sisters, the Rossettis, Tennyson, George Eliot, Ruskin, Gaskell, Arnold, Darwin, and Oscar Wilde. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3326 British Lit from 1900 to WWII
A study of British literature from the first forty years of the twentieth century, including the literary, social, and political movements that influenced it. Authors may include Conrad, Forster, Lawrence, Woolf, Joyce, Shaw, Hardy, Yeats, and the World War I poets. Prerequisites: Three hours of sophomore literature or instructor’s consent.

ENGL 3327 British Lit from WWII to Pres
A study of the trajectory of British literature from the outbreak of World War II to today, including the end of the British Empire and the increased expansion and diversification of the literary canon. Authors may include Beckett, the Amises, Lessing, Achebe, Dylan Thomas, Larkin, Ishigur, and Zadie Smith. Prerequisites: Three hours of sophomore literature or instructor’s consent.

ENGL 3330 Early American Literature
A study of American literature from its beginning to 1836. Though the course will emphasize English language writings of the Colonial, Pre-Revolutionary, and Early Republican periods, it will also feature in translations works from the Native American oral tradition and from the Spanish and French exploration and colonization of North America. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3331 Late 19th Century American Lit
A study of American literature from the Civil War to the beginning of World War I, featuring the emergence of American humor and realism. Authors may include Whitman, Dickinson, Twain, James, Howells, Crane, Chopin, Wharton, and Robinson. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3332 Early 20th Century American Lit
A study of American literature from the end of World War I to the end of World War II. Readings will include such writers as Stein, Hemingway, Fitzgerald, Faulkner, Pound, Eliot, Barnes, Cather, Wharton, Hughes, O’Neill, Yezierska, Steinbeck, Hurston, and Dos Passos. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3333 Late 20th Century American Lit
A study of American literature from World War II to the present. Readings may include selections from literary movements and schools as well as such central figures as Tennessee Williams, Flannery O’Connor, Arthur Miller, Sylvia Plath, Adrienne Rich, Allen Ginsberg, Thomas Pynchon, and Toni Morrison. Prerequisites: Three hours of sophomore literature or consent of instructor.
ENGL 3340 Literature in English
A study of the literature of any era that is written in English but does not originate in the United States or its territories or in England itself. Areas of study may include literature of the Commonwealth nations (e.g., Australia, Canada), of former British colonies (e.g., India, Ireland), and of English-speaking peoples in the Caribbean, Africa, and the Americas. May be repeated for credit when topics vary.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3341 Great Bks: Classic. to Renais.
An intensive study of one or two philosophical classics or a series of readings selected from the classics of Western tradition before the Renaissance, from Greco-Roman period to Renaissance. May be repeated when topic changes. Cross-listed with PHIL 3341.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3342 Great Bks: Renais. to Present
An intensive study of one or two philosophical classics or a series of readings selected from the classics of Western tradition since the Renaissance, from Cervantes to the present. Interchangeable with PHIL 3342. May be repeated when topic changes.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3351 World Mythology
A study of the nature, cause, and use of myths through wide reading in various mythologies. Special emphasis upon the effects found in American life of the Classical, Norse, and Judeo-Christian traditions, and upon myth as a contemporary phenomenon.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3352 World Folklore
A study of folklore, the processes of folklore, and the usefulness of folklore in general culture and literature.
Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3361 Multicultural Children's Lit
Advanced study of the Multicultural Children's Literature genre. Special emphasis will be placed on Hispanic literature. Literature will be studied in translation and/or in the original language.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3362 Young Adult Literature
Covers the literature written for young adults (YAs) and analyzes how this literature meets the varying developmental stages of YAs. Students will conduct numerous individual and group assignments typically required of YAs providing future educators a first-hand opportunity to develop a teaching philosophy regarding the use of YA literature in the classroom.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3366 Twentieth Century Poetry
Reading of English and American poetry published since 1900 including the work of such writers as Yeats, De la Mare, Housman, Rich, Sexton, Frost, Eliot, and Plath.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3367 Survey of Film History
Historical and critical survey of American and/or international Cinema with an emphasis on its major developments both as art form and mass medium. Screenings required.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3371 Film Literature
A study of the literary and dramaturgical components of film production and interpretation. Subjects, genres, or themes may vary. Screening lab required.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3380 History of Literary Thought
A study of the major philosophers of literature, from the ancients to the moderns.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3390 History of the English Lang
The study of the English language from Anglo-Saxon times to present day.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 4198 Undergraduate Research
Advanced students will develop a project in the field of English in consultation with and approval from the instructor that, depending upon the scope of the project, will determine the credit hours, which must be approved by the instructor prior to registration. May be repeated with a change in project, but total credit cannot exceed eight semester hours.
Prerequisites: Permission of the instructor.

ENGL 4298 Undergraduate Research
Advanced students will develop a project in the field of English in consultation with and approval from the instructor that, depending upon the scope of the project, will determine the credit hours, which must be approved by the instructor prior to registration. May be repeated with a change in project, but total credit cannot exceed eight semester hours.
Prerequisites: Permission of the instructor.

ENGL 4301 The Teaching of Composition
Provides an overview of modern composition theory that informs the teaching of writing in secondary and post-secondary education, including state and national standards and trends. Required for 7-12 Certification.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4302 Iss in the Teach of English
Addresses current issues in the teaching of English, ranging from pedagogical approaches to the teaching of composition to the theoretical underpinnings of English literature, language, literacy, and rhetoric. Attention is paid to national trends and state standards for individuals planning to teach English Language Arts (ELA) in secondary schools.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.
ENGL 4306 Studies in Rhetoric
This course will examine how identity of citizenship in America is developed within the public space of democracy. Specifically, the impact of education upon citizenship identity, and how that identity acts within the social space of democracy will be evaluated. Rhetorical manifestations of democracy in action will be accomplished by readings ranging from uses of rhetoric in community dialogue, as well as national dialogues, including an examination of presidential rhetoric. May be repeated when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4307 Creative Writing
An exploration of current theory and creative writing techniques through the study of required readings and the application of techniques in students’ own work. Genres covered will regularly include poetry, fiction, non-fiction and other genres offered occasionally. May be repeated for credit up to four times but not more than twice in the same genre.
Prerequisites: Satisfactory completion of any sophomore-level English class, or SPAN 2307, or by consent of instructor.

ENGL 4311 Contrastive Linguistics
Designed to produce competencies in an understanding of the similarities and differences between English and Spanish and in teaching both languages to students who have one of them as a native tongue.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4313 Advanced English Grammar
Designed to produce competencies in understanding the English language in its theory, sound, words, grammar (both traditional and modern grammars), and its spelling.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4320 Studies in English Literature
Features readings in selected author, historical periods, literary movements, genres, themes, or cultural issues in English literature. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4321 Major British Authors
An intensive study of the works of one or two major British authors. May not duplicate existing major author courses. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4322 Shakespeare's Major Plays
Designed to produce competencies in the types of plays which Shakespeare wrote and techniques for understanding and critiquing them as well as exposure to the most well-known of his works.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4323 Shakespeare in Performance
An exploration of the ways Shakespeare's plays have been interpreted and reinterpreted both on the stage and in film to reflect societal or cultural assumptions at the time of production. Students will study at least four plays in the context of either stage or film productions of a given play and then perform a scene in the context of current issues.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4324 Women in Shakespeare
An examination of Shakespeare's dramatic and poetic technique in the context of his focus on women's issues and roles in society. Readings of selected plays and non-dramatic poems will relate Shakespeare's interpretations of feminine power and potential in his own time to contemporary perspectives.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4325 Studies in Shakespeare
This course is designed to explore special topics, themes, or issues in Shakespearean studies. Students will practice interpreting Shakespeare's work in light of social and cultural contexts of Shakespeare's England and within current research in the field. May be repeated three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4328 Studies in Rest 18th Cent Lit
This course provides students with an in-depth examination of a topic, theme, motif, author, movement, or genre in Restoration and eighteenth-century literature. Possible topics include eighteenth-century theater traditions, female amatory fiction, poetry by women, print culture, and the domestic novel. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4330 Studies in American Literature
Features readings in selected authors, historical periods, literary movements, genres, themes, or cultural issues in American literature. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4331 Major American Authors
An intensive study of the works of one or two major American authors. May not duplicate existing major author courses. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4332 American Literary Renaissance
A study of American literature between 1830 and 1880, featuring selections by such writers as Emerson, Hawthorne, Poe, Fuller, Douglass, Thoreau, Melville, Stowe, Fern, and Whitman.
Prerequisites: Successful completion of the Language, Philosophy, and Culture CORE component.

ENGL 4333 Minority Voices
A study of United States culture as one of many peoples and ways of life and literature itself as a device for securing equality among them.
Prerequisites: Three hours of one 3000-level ENGL course with a "C" or better or consent of instructor.
ENGL 4336 Chicano/a Literature
A study of literature written by Mexican Americans from 1848 to the present. This course explores poetry, fiction and drama from a historical and thematic approach.
Prerequisites: Three hours of one 3000-level ENGL course with a "C" or better or consent of instructor.

ENGL 4339 Reading Nature in American Lit
An exploration of the changing perception of the American environment/s in literature and related arts, and the ideologies underlying such perception. Utilizing the theoretical tools of Ecocriticism, the course approaches the ways that humans have interacted with the environment in the United States and the cultural responses to such interactions. The course can be organized historically or thematically.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4340 Studies in World Literature
An intensive study of a particular period, movement, or major author of World Literature. Readings will be in English translation. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4341 Major World Authors
An intensive study of the works of one or two major non-British or non-American authors. May not duplicate existing major author courses. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of one 3000-level ENGL course with a "C" or better, or consent of instructor.

ENGL 4342 The Bible as Literature
An in-depth literary study of the Bible, with emphasis on the formal features of narrative, hymn, prophecy, apocalypse, gospel, and epistle. Historical, cultural, and archaeological considerations are included.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4347 Movement and Eras
A study of the recognized literature, authors, and philosophies of any culture or nationality that can best be understood in narrow time periods and/or movements; for instance, The European Enlightenment, the Harlem Renaissance, Modernism. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4380 Philosophy in Literature
Formulation and critical analysis of philosophical ideas in selected literary works. May be repeated for credit when topics vary.
Prerequisites: Three hours of sophomore-level ENGL or three hours of sophomore-level PHIL with a grade of "C" or better, or consent of instructor.

ENGL 4384 Current Trends in Rhet Theory
An examination of the leading trends in contemporary rhetorical theory and epistemology. Participants will study selected readings by major theorists on topics that include, but are not limited to, social epistemology, minority voices, mass media, and composition.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4385 Literature and Gender
An introduction to literature that explores issues of gender and sexuality. The course examines questions of canonicity, difference, equality, and sexuality, and how these issues are represented in literary and other cultural contexts. Special attention will be paid to the intersections of gender with sexuality, race, class, ability, and nationality. Sample topics include women's literature, queer literature, literature and masculinity, or desire in literature. May be repeated up to three times for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4388 Existentialism
A study of the nature of human existence and experience in the philosophies of Dostoevsky, Nietzsche, Miguel de Unamuno, Kafka, Ortega y Gasset, Sartre, and Camus. May be repeated for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL or three hours of sophomore-level PHIL with a grade of "C" or better, or consent of instructor.

ENGL 4390 Studies in Language
A special topics seminar in some aspect of the study of language. The course may focus on a special problem in linguistics, heritage languages, second language acquisition, history of the language, literacy, the teaching of the language or language policy and implementation.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4397 International Service Learning
Engagement in activities that combine both academic learning and community service in a foreign country. Students participate in an organized service activity that meets identified community needs. Students are required to reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility. Final service projects must be presented to a broad audience. May be combined with Study Abroad and may be conducted in English or in the language of the host country. Faculty supervisor required.
Prerequisites: Consent of instructor.

ENGL 4398 Undergraduate Research
Advanced students will develop a project in the field of English in consultation with and approval from the instructor that, depending upon the scope of the project, will determine the credit hours, which must be approved by the instructor prior to registration.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4399 Senior Seminar - WIN
A special topics capstone course required of all English and English Language Arts majors. Course readings, class discussions, and writings will focus on a highly defined issue in the study of literature or language. All senior seminars will require that students develop and demonstrate command of the research process and superior writing skills as this is a WIN-designated course. To earn credit for this course, students must earn a grade of "C" or better.
Prerequisites: Senior Standing in English Major.
FREN 1311 Elementary French I
An oral and written introduction to French for students with no prior knowledge of the language. Through pattern drills, the course stresses acquisition of vocabulary, pronunciation, and the formation of sentences in everyday conversation. Three hours plus one hour lab.
TCCN: FREN 1411

FREN 1312 Elementary French II
A continuation of FREN 1311, with added stress on the written language. Three hours plus one hour lab.
Prerequisites: FREN 1311 or equivalent course.
TCCN: FREN 1412

FREN 1620 Elementary French I and II
An intensive oral and written introduction to French for students with no prior knowledge of the language. Through pattern drills, the course stresses acquisition of vocabulary, pronunciation, and the formation of sentences in everyday conversation. Six hours plus one hour lab. (Cross-listed with FREN 1311 and FREN 1312)

FREN 2311 Intermediate French I
Review of grammar introduced in FREN 1311 and 1312; readings of average difficulty in French; practice in conversation and composition.
Prerequisites: FREN 1312.
TCCN: FREN 2311

FREN 2312 Intermediate French II
Continuation of FREN 2311 with more advanced readings.
Prerequisites: FREN 2311.
TCCN: FREN 2312

FREN 2620 Intermediate French I and II
An intensive intermediate French course for students who have finished the beginning French course sequence (FREN 1311 & FREN 1312).
Review of grammar introduced in FREN 1311 and 1312; readings of average difficulty in French; practice in conversation and composition.
Six hours plus one hour lab. (Cross-listed with FREN 2311 and FREN 2312).
Prerequisites: FREN 1312.

FREN 3303 French Culture & Civilization
This is a survey course for students interested in understanding francophone culture from general concepts of culture to different art expressions. The course focuses on communication in contexts that develop and consolidate students’ speaking, listening, reading, and writing skills. It utilizes films, cultural readings, and literary selections that expose students to poems, essays, and short stories by writers from diverse francophone countries.
Prerequisites: FREN 1311 and 1312, or FREN 1620, or FREN 1311 and permission of instructor.

FREN 3304 French & Francophone Cinema
This course is a survey of French and Francophone cinema from the earliest productions to the contemporary period. It will analyze the social and historical conditions that gave rise to the landmark films. Topics for discussion include the impact of history, politics, literature, class, ethnicity, gender, colonialism, migration on selected films.
Prerequisites: FREN 2312 or equivalent.

FREN 3305 Intro to the French Literature
This course introduces students to the study of French literature by analyzing texts from classical and non-traditional Francophone sources. The content covers the basic premises of modern literary theory with the intent of bolstering the students’ essay-writing and commentary skills.
Prerequisites: FREN 2312 or equivalent.

FREN 3306 French Conversation
Application of French grammar and vocabulary with emphasis on idiomatic constructions and expressions. Intensive French conversation based on cultural topics and current events will lead to a natural and colloquial usage and fluency.
Prerequisites: FREN 2312 or equivalent.

FREN 3307 Trans FREN>>ENGL, ENGL>FREN
Introduction to techniques for written and sight translation in a variety of text categories relating to nursing, advertising, commerce, education and politics. Provides students with the tools to identify, analyze, and resolve translation problems of short text, while developing practical translation skills.
Prerequisites: ENGL 1302, and FREN 2312 or equivalent.

GERM 1311 Beginning German I
An introduction to the German language and German-speaking cultures. The course focuses on the development of basic communication skills: listening, speaking, reading, and writing. This is the first part of a two-part introduction to German.
TCCN: GERM 1411

GERM 1312 Beginning German II
A continuation of GERM 1311. The course focuses on the development of basic communication skills in German. It is designed to develop the four language skills: listening, speaking, reading and writing. The language of instruction is German. This is the second part of a two-part introduction to German.
Prerequisites: GERM 1311.
TCCN: GERM 1412

GERM 1620 Beginning German I & II
German 1620 is an introduction to the German language and German-speaking cultures. The course focuses on the development of basic communication skills in German. It is designed to develop the four language skills: listening, speaking, reading and writing. This course offers students a one-semester course equivalent to GERM 1311 & 1312.

GERM 2321 Intermediate German I
Designed to strengthen students’ language skills and develop cultural competency. This course keeps intermediate-level students involved and focused on real communication in meaningful contexts. Students improve their language skills through practical grammar, vocabulary presentations, and television, short films, and cultural readings.
Prerequisites: German 1620 or German 1311 & German 1312.
TCCN: GERM 2311

GERM 3303 German Culture & Civilization
This course emphasizes the broadening of reading and conversational skills. Students become familiar with many aspects of the culture and civilization of the German-speaking countries. The course will also explore aspects of the current political, economic, social and cultural situation of Germany, Austria, and Switzerland. Students have the opportunity to discuss issues, ideas and opinions in German on selected topics.
Prerequisites: GERM 2311.
GERM 3307 Trans GERM>ENGL, ENGL>GERM
Introduction to techniques for written and sight translation in a variety of text categories relating to nursing, advertising, commerce, education and politics. Provides students with the tools to identify, analyze, and resolve translation problems of short text, while developing practical translation skills.
Prerequisites: ENGL 1302, and GERM 2312 or equivalent.

HIST 1301 The US to 1877
This course covers discovery; European contributions and forces; Spanish and Portuguese conquests in the Americas; English, French, and Dutch in America. The English Colonies in America; accomplishments of nationalistic groups; War of Independence; establishment of the new nation, problems of the formative period, western development, and frontier influence; cultural and constitutional growth; internal dissension and international problems; and Reconstruction.
Prerequisites: Completion of Texas Success Initiative (TSI) Reading requirements, ENGL 1301, or appropriate level developmental course sequence.
TCCN: HIST 1301

HIST 1302 The US Since 1877
Covers the growth of national ideas; movement for individual freedom; party government and public interests; industrial development; labor problems and agrarian unrest; changing international policies; war and peace; problems of agriculture, business, and government; cultural progress and attempts at social cooperation; and current world problems and trends. It is recommended that HIST 1301 be taken before 1302.
Prerequisites: Completion of Texas Success Initiative (TSI) Reading requirements, ENGL 1301, or appropriate level developmental course sequence.
TCCN: HIST 1302

HIST 2321 Eastern Civilizations
This course provides a study a study of eastern civilizations, including those of Africa, Asia and regions of the Middle East.
TCCN: HIST 2321

HIST 2322 Western Civilization
This course provides a study of western civilization including the ancient societies of Greece and Rome, feudal Europe and the modern European nation states.
TCCN: HIST 2322

HIST 2420 The American Way
This course will focus on the major events that helped to make the United States what it is today, including the Colonial Era and Independence, specifically the writing of the Declaration of Independence and the Constitution, as well as the major events of the 19th and 20th centuries. The branches of government, including the checks and balances and separation of powers, will be emphasized as well as the civil rights and liberties of all citizens. An element of the course is faculty-led travel to important historical and governmental sites in Texas. Fulfills the Texas State requirement in history and U.S. government. Enrollment restricted to qualified international students enrolled in joint degree programs.

HIST 3302 History of Texas
Covers the history of Texas from the early explorations to modern times. Course stresses the development of comprehension, analytic, and evaluative skills with regard to important issues, including Spanish colonial influences on Texas, the Texas Revolutionary period, the rise of the cattle kingdom, and recent social, economic and political developments. This course may not be substituted for any course without written permission from the department chair.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3303 Historical Methods-WIN
This required course is designed to give history majors and minors a grounding in the methodologies that professional historians utilize in their scholarship. Designed to be taken at the beginning of work on the major, the class will consider a number of important topics in the research and writing of history. Emphasis will be given to issues such as how historians find and examine evidence, how they pose questions, and how they reach answers to those questions. This course may not be substituted for any other course without written permission from the department chair.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3310 Military History of the US
This course covers US military history from early colonial warfare in the eighteenth century to the global war on terrorism in the twenty-first century. It includes the role military officers have played in the development of the United States.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3330 Colonial Latin America
Transformation of Latin America under Spanish and Portuguese colonial rule (1492-1826). Course emphasizes the convergence of indigenous, European, and African peoples that laid the foundations for modern Latin American society. Topics include conquest and settlement, the impact of slavery, and cultural-intellectual changes that led to independence.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3331 Modern Latin America
Social and political challenges faced by Latin American nations from independence to present. Emphasis on foreign relations, revolutionary insurgency, and Latin America's role in the modern world economy.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3332 Mexico
Political, economic, and cultural evolution of Mexican society from pre-conquest to present. Emphasis on Mexico's connections to the wider world through topics such as global trade, nationalism, neocolonialism, and liberalism.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3333 Central America & Caribbean
The Caribbean Basin's impact on early modern and modern globalization. Course takes a cultural as well as economic approach to topics such as slavery. European imperial rivalries, plantation economies, piracy, monoculture, and U.S. interventionism. Includes comparative perspective of the Hispanic, English, and French Atlantic Worlds.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3340 World Cultural History
This course examines the historical development, purpose, and influence of cultural activities, beliefs, and expressions found in a specific region or society of the world.
Prerequisites: HIST 2321 and HIST 2322 or permission of the instructor.
**HIST 3341 U.S. Cultural History**
This course examines the historical development, purpose, and influence of cultural activities, beliefs, and expressions found in the US society and its Religions.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

**HIST 3352 World Historical Biography**
This course provides an account of a prominent international figure’s life with the intent of examining the person’s historical significance.
Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

**HIST 3353 World History and Film**
This course provides an examination of the interaction between historical research and various forms of film media including feature films and documentaries relating to international history.
Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

**HIST 3354 U.S. Historical Biography**
This course provides an account of a prominent US figure’s life with the intent of examining the person’s historical significance.
Prerequisites: HIST 1301 and 1302 or permission of instructor.

**HIST 3355 U.S. History and Film**
This course provides an examination of the interaction between historical research and various forms of film media including feature films and documentaries relating to US history.
Prerequisites: HIST 1301 and 1302 or permission of instructor.

**HIST 3370 U.S. Women’s History**
This course focuses on the diversity of women’s experiences in North America from colonial to modern times. The social, economic, political, and intellectual realms of women’s worlds, public and private, will be studied.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

**HIST 3371 History of US Workers**
This course describes and analyzes the history of US workers from the colonial period to the present. Topics include economic development, migration and immigration, race and ethnicity, slave and free labor, and the activities and fortunes of the American labor union movement in the nineteenth and twentieth centuries.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

**HIST 3375 U.S. Southern History**
This course focuses on the diversity of women’s experiences in North America from colonial to modern times. The social, economic, political, and intellectual realms of women’s worlds, public and private, will be studied.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

**HIST 3379 World Intellectual History**
The impact of major ideas on the development of nations and movements throughout history.
Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

**HIST 3380 Intellectual History of the US**
The impact of major ideas on the development of the nation. Topics may include Puritanism, the Enlightenment, Romanticism, Transcendentalism, rise of democracy, the Women’s Rights Movement, Social Darwinism, industrialism, populism, progressivism, pragmatism, socialism, the Civil Rights Movement, American art and thought, and those aspects of American thought that continue to agitate contemporary society.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

**HIST 3381 Sport and US History**
This course frames the development of nineteenth and twentieth century American society and culture in the context of sport. Topics include the socio-economic origins of such sports as baseball, boxing, and football, labor demands and the influence of money in US Sport, the conflicts over racial prejudice, exclusion, and integration, and the issues of gender roles and athletics.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

**HIST 3385 Mexican American History**
This course is an examination of Mexican American history from the Spanish colonial period to the present. Topics include, the history of the Spanish borderlands, US annexation of the borderlands, nineteenth century labor and political systems, migration and immigration, and twentieth century Mexican American political activism.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

**HIST 3386 World Immigration History**
This course investigates the reasons why people from specific reasons or societies around the world migrate and the motivations and experiences of specific groups of immigrants. Topics include trade, colonialism, economic and religious factors, and issues of gender, race, and legal statuses.
Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

**HIST 3387 U.S. Immigration History**
This course investigates the reason why people migrate to and within the US and the motivations and experiences of these immigrants. Topics include economic, social, and cultural factors, and issues of gender, race, and legal status.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

**HIST 3391 Islamic Civil 600-1400 CE**
This course will survey the diverse history of Islamic societies from the 7th to the 16th century. Topics include: the pre-Islamic Middle East; Arabian society; Muhammad and the rise of the new religion; the expansion of Islam in Asia, Africa and Europe; the fundamental belief system of Islam; the Caliphate of Baghdad; the development of various schools of Islamic theology; the coming of the Turks; revolutionary Shi’ism; the Muslim experience in India, Africa and Central Asia; decline of Islamic power; and the crusades. While much of the focus will be on trends affecting the Islamic World as a whole, attention will also be given to selected regional issues. Students will be introduced to several primary source materials in translation such as selections from the Qu’ran, philosophical works and travelers’ accounts.
Prerequisites: HIST 2321 or permission of instructor.

**HIST 3392 Contemporary Islamic World**
This course explores some of the major themes that have led to the rise of the contemporary Islamic world. Themes that will be discussed include the diversity of interpretations within Islam such as Wahhabism and mysticism, the legacy of the Ottoman Empire, gender relations in Islam, Islamic art and architecture, as well as the construction of nation states throughout the Islamic world. There will be a heavy emphasis on primary sources.
Prerequisites: HIST 2321 or permission of instructor.
HIST 3393 History of Africa to 1880
This course is a survey of the continent's history from earliest pre-colonial times to the eve of European colonial conquest, focusing on diversity and change in African societies. Themes include the development of pre-colonial technology and trade, state formation and Africa’s incorporation in the growing world economy. Prerequisites: HIST 2321 or permission of instructor.

HIST 3394 History of Africa Since 1880
This course is a survey course of major events and processes that occurred on the continent of Africa after 1800. Focusing on select cases and examples that illustrate larger trends and issues, this course concentrates on the expansion of African trade and states, European colonization, African response to colonial rule, African independence movements, and recent challenges and events in African nations (including underdevelopment, poverty and genocide). Prerequisites: HIST 2321 or permission of instructor.

HIST 3395 Contemporary South Asia
Contemporary South Asia (India, Pakistan, Bangladesh, Sri Lanka, Bhutan, Nepal, and the Maldives) contains a diversity of languages, cultures, religions and histories. It is also one of the most densely populated regions of the world. Using a thematic approach to study modern South Asia, this course places this region into historical, political, and socio-economic contexts across the dividing line of empires and nation-states. Prerequisites: HIST 2321 or permission of instructor.

HIST 3396 Borders & Identities in India
This course explores the shaping of nationalist movements and ideologies throughout the Indian subcontinent. It describes how both the colonial past and anti-colonial struggles impacted the processes of nation-building and identity formation, as well as present-day social and economic structures. Themes that will be explored include education, gender, religion, culture, identity, nationalism, immigration, and popular culture. Prerequisites: HIST 2321 or permission of instructor.

HIST 4310 Historical Perspectives-WIN
This is the required capstone course for graduating history majors and minors. It is open to all majors and minors throughout the year. Coursework will include such topics as special emphasis on the interplay between religion and politics, the economic order, including Athenian democracy, Romanization, feudalism, and manorialism. Special topics include the rise of Christian orthodoxy, Islamic expansion in Southern Europe (especially Iberia), and medieval chivalry. Prerequisites: HIST 3303 and Senior standing.

HIST 4316 Colonial America: Dis-1763
An examination of the political, social, economic, ideological, religious, and institutional development of America from the age of discovery and early settlements to the end of the French and Indian War. The course will emphasize the regional geography, folkways, and culture of British America, the Puritan New England, the Lower South, and the Mid-Atlantic societies. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4317 Am Rev/Early Nat Era 1763-1815
A study of the international and colonial developments leading to the American Revolution and the winning of independence from Great Britain. Also includes: U.S. society’s beginnings under the Articles of Confederation; the making of the Constitution of 1787, the forging of American institutions and culture under the first presidents; forces leading up to American involvement in the War of 1812, and the impact of the War on American civilization. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4318 Age of Jackson to Civil War
An examination of the major themes in U.S. history from 1815-1865, including the Market Revolution, the expansion of Jacksonian Democracy, the rise of the Old South, antebellum reform movements, westward expansion, and the rising tensions leading to the Civil War. This course will also include a detailed study of the Civil War itself, with consideration for its military, political, social, economic, and cultural impact of the United States. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4338 Pre-Modern Europe
Europe's transition from Greco-Roman Antiquity to the High Middle Ages. Emphasis on the development of pre-modern social and political order, including Athenian democracy, Romanization, feudalism, and manorialism. Special topics include the rise of Christian orthodoxy, Islamic expansion in Southern Europe (especially Iberia), and medieval chivalry. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4339 Renaissance & Reformation Euro
The history of the two important cultural movements that marked the beginning of Europe's transition into the modern era. Course places special emphasis on the interplay between religion, politics, economics, and artistic production. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4340 European Age of Enlightenment
A history of the political, social, economic and intellectual character of 17th and 18th century Europe. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4341 19th-Century Europe
An examination of the political, social, and cultural development of Europe from 1814 to 1914. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4342 Modern Europe: 1914-1990
An examination of the political, social, and cultural development of Europe in the 20th Century. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4350 North American Borderlands
This course examines and compares the US-Spanish/Mexican, US-Canadian, US-Native American borderlands from the colonial period to the present. The course focuses on border regions and frontiers as centers of society, politics, and culture. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.
HIST 4366 United States, 1865-1914
The United States from Reconstruction to the Progressive Era, including industrialization, immigration, urbanization, the rise of Jim Crow, Populism, labor, and social and political reform. Themes include the dramatic changes in U. S. political, racial, gender, economic, and cultural spheres and their impact on the beginnings of "the American century". Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4367 United States, 1914-1945
The United States during World War I, the 1920s, the Great Depression, and World War II. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4368 United States Since 1945
The Cold War; social and cultural changes; the Vietnam era; and the Nixon, Ford, Carter, Reagan, Bush, and Clinton administrations. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4380 Women in the Developing World
This course examines women in the developing world during the pre-colonial, colonial and postcolonial periods. More specifically, it explores the social changes that have taken place in Africa, the Middle East and the Indian subcontinent. Among the topics addressed will be changing gender norms, ethnicity and identity, religion, polygyny, sati, motherhood, education, nationalism, political activism, and the current AIDS epidemic. In each case, the emphasis will not be on victimization or cultural decline but rather, the resilience and adaptability of women as "historical actors" in the developing world.
Prerequisites: HIST 2321 or permission of instructor.

HUM 4300 The Western Cultural Tradition
This writing intensive course introduces students, through selective readings, to the Western intellectual tradition, starting from the Greco-Roman epoch and extending through the Middle Ages to the present. This course fulfills a core curriculum requirement for some majors. Prerequisites: ENGL 1302 or equivalent.

HUM 4330 Studies in World Hist & Cult
An advanced special topics course offered for both WIN and Honors credit, this course will feature a depth cross-disciplinary study of a topic or a defined historical period in world history. Readings will typically be drawn from more than one area of human knowledge, areas as diverse as art, anthropology, religion, science, philosophy, history, music, literature, psychology, and political and social theory. Depending on the topic, the course may be cross-indexed with an appropriate discipline and count for credit in the major. May be repeated once for credit when the topic changes.
Prerequisites: "B" or higher in ENGL 2322, 2323, 2327, 2328, 2332, or 2333.

HUM 4173 Undergraduate Research
A course adapted to the directed, interdisciplinary study of topics in the liberal arts. Advanced students will develop a project in cooperation with a designated instructor chosen by the student. The nature of the material may allow for the involvement of multiple instructors. The project will be established by the student with the approval of the designated instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the designated instructor.

HUM 4273 Undergraduate Research
A course adapted to the directed, interdisciplinary study of topics in the liberal arts. Advanced students will develop a project in cooperation with a designated instructor chosen by the student. The nature of the material may allow for the involvement of multiple instructors. The project will be established by the student with the approval of the designated instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the designated instructor.

HUM 4373 Undergraduate Research
A course adapted to the directed, interdisciplinary study of topics in the liberal arts. Advanced students will develop a project in cooperation with a designated instructor chosen by the student. The nature of the material may allow for the involvement of multiple instructors. The project will be established by the student with the approval of the designated instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the designated instructor.

HUM 4473 Undergraduate Research
A course adapted to the directed, interdisciplinary study of topics in the liberal arts. Advanced students will develop a project in cooperation with a designated instructor chosen by the student. The nature of the material may allow for the involvement of multiple instructors. The project will be established by the student with the approval of the designated instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the designated instructor.
INTL 1101 Global Issues Seminar I
Students in this course will gain a broad overview of the geography, language, history, religions, political and social institutions, and cultural practices of a variety of countries. Students will complete an independent study of one aspect of one country or global issue of contemporary concern. In addition to foreign national faculty delivering presentations on their native countries, faculty whose research focuses on issues with a global aspect will provide students with an overview of an international problem and the challenges facing world leadership in addressing the problem. Topics change each semester.

INTL 1102 Global Issues Seminar II
This course is a continuation of INTL 1101. Topics change with each semester.

INTL 2101 Global Issues Seminar III
This course is a continuation of INTL 1101 and INTL 1102. Topics change with each semester.

INTL 2102 Global Issues Seminar IV
This course is a continuation of INTL 1101, INTL 1102, and INTL 2101. Topics change with each semester.

ITAL 1311 Elementary Italian I
An oral and written introduction to Italian for students with no prior knowledge of the language. Through pattern drills, the course stresses acquisition of vocabulary, pronunciation, and the formation of sentences in everyday conversation.
TCCN: ITAL 1411

ITAL 1312 Elementary Italian II
This course is a continuation of ITAL 1311, with added stress on the written language.
TCCN: ITAL 1412

ITAL 1620 Elementary Italian I & II
This course provides an oral and written introduction to the Italian language for students with no previous knowledge of the language. The course emphasizes the need to acquire an ear for the sound of Italian and an introduction to the language's grammatical structures.

ITAL 2311 Intermediate Italian I
Review of grammar introduced in ITAL 1311 and 1312; readings of average difficulty in Italian; practice in conversation and composition. Prerequisites ITAL 1312 or ITAL 1620.

ITAL 2312 Intermediate Italian II
This class is a continuation of ITAL 2311 using more advanced readings. Prerequisites: ITAL 2311.

ITAL 2620 Intermediate Italian I & II
An intensive intermediate Italian course for students who have completed the beginning Italian course sequence (ITAL 1311 and 1312). Review of grammar introduced in ITAL 1311 and 1312; reading of average difficulty in Italian; practice in conversation and composition. Equivalent to both ITAL 2311 and ITAL 2312. Prerequisites: ITAL 1312 or equivalent course.

ITAL 3307 Trans ITAL>ENGL, ENGL>ITAL
Introduction to techniques for written and sight translation in a variety of text categories relating to nursing, advertising, commerce, education and politics. Provides students with the tools to identify, analyze, and resolve translation problems of short text, while developing practical translation skills. Prerequisites: ENGL 1302, and ITAL 2312 or equivalent.

LAS 4302 Senior Sem In Latin Am Studies
A multidisciplinary analysis of issues relating to Latin America. Students will develop interdisciplinary, independent projects. Prerequisites: Senior standing and Latin American Studies major.

LAS 4310 Latin American Info Resources
This course will focus on analyzing the Latin American information infrastructure. Both public and private information resources and networks will be surveyed with emphasis in the social sciences. Students will be exposed to the state of Latin American information services as a mechanism for understanding the position of the region in the information age.

LAS 4397 International Service Learning
This course seeks to engage students in activities that combine both academic learning and community service in a foreign country. Students participate in an organized service activity that meets identified community needs. Students are required to reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility. Final service projects must be presented to a broad audience. May be combined with Study Abroad and may be conducted in English, Spanish or Portuguese. Faculty supervisor required. Prerequisites: Consent of instructor.

MAND 1311 Intro Mand Chinese Non-Nat I
A course designed for students with no prior knowledge of the language. Students will acquire basic oral communication skills, develop general knowledge of Chinese syntax, and gain knowledge of Hanzi (characters) in reading and writing. Chinese history and society are an integral component of this course.
TCCN: CHIN 1411

MAND 1312 Intro Mand Chinese Non-Nat II
This second level course is designed for students with an introductory knowledge of the language. The course emphasizes oral language skills in real-life contexts and reading and writing skills with Hanzi characters. Chinese history and culture are an integral part of the course. Prerequisites: MAND 1311 or equivalent course, or departmental placement exam.
TCCN: CHIN 1412

MAND 2311 Intermediate Mandarin I
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture. Prerequisites: MAND 1312 or equivalent course.

PHIL 1301 Introduction to Philosophy
An introduction to philosophy as the speculative attempt to present a systematic and complete view of all reality. Students will be introduced to the writings of seminal philosophers as well as to the role of logic and forms of argumentation.
TCCN: PHIL 1301
PHIL 2301 Introduction to Logic
A study of the methods and principles of correct reasoning, both deductive and inductive; fallacies, and arguments together with analysis of the proposition.
TCCN: PHIL 2303

PHIL 2306 Introduction to Ethics
An introduction to the elements of moral philosophy including, but not limited to, the following issues: What is morality?, Cultural and Moral Relativism; Does Morality depend on Religion?, Ethical Egoism; Deontology, including Kant’s Categorical Imperative and Respect for Reasons; The Idea of a Social Contract; and The Ethics of Virtue.
TCCN: PHIL 2306

PHIL 3302 Philosophy of Law
An examination and evaluation of some basic practices and principles of Anglo-American law. The course will focus on such problems as: the nature and extent of legal liability, strict liability statutes, "Good Samaritan" laws, the law of criminal attempts, the enforcement of community moral standards, the obligation to obey the law, the justification of punishment and capital punishment, civil obedience, and affirmative action and reverse discrimination. We will examine prominent legal cases and their underlying principles, but the emphasis will be on the philosophical analysis and evaluation of the law in these areas. Readings will be drawn from both classical and contemporary sources. Course may be repeated for credit when topics vary.

PHIL 3304 Contemporary Moral Issues
Philosophical examination of selected moral problems arising out of contemporary society. Some of the moral problems we will explore are: abortion, euthanasia, poverty and hunger, war, animal rights, human cloning, and other biomedical issues.

PHIL 3316 Classic. to Renais. Philosophy
This course will cover the major philosophers from the Hellenistic and Roman philosophy of antiquity beginning circa 600 B.C.E. to the significant texts of the seventeenth-century in courses of study like theology, metaphysics, epistemology, moral psychology, aesthetics, and the utopian project of the West. Possible philosophers include such thinkers as the Pre-Socratics, Socrates, Plato, Aristotle, Augustine, Aquinas, Descartes, Berkeley, Hobbes, Machiavelli, Leibniz, Bacon, and Locke. Course may be repeated for credit when topic changes.

PHIL 3317 Renais. to Contemp. Philosophy
This course covers the major developments in philosophical thought from the 18th century through to the major thinkers of today. It deals with "modern" and "postmodern" topics such as the limits of science, political epistemology, aesthetics, hermeneutics, post-structuralism, critical theory, deconstruction, contemporary Marxist strategies, semiotics, cultural studies, gender studies, race theory, human-technological interplay, and other issues. May be repeated when topic changes.

PHIL 3321 Philosophy of World Religions
This course will provide a philosophical study of various world religions such as Judaism, Christianity, Islam, Hinduism, Buddhism, and many others, and may include studies of indigenous and oral religious traditions as well. The focus of the course will be the philosophical theories behind these religious worldviews and their respective arguments pertaining to the existence and nature of spiritual life. May be repeated when topic changes.

PHIL 3341 Great Bks: Classic. to Renais
An intensive study of one or two philosophical classics or a series of readings selected from the classics of the Western tradition from the Greco-Roman period to the Renaissance. May be repeated for credit when topic changes. Cross-listed with ENGL 3341.
Prerequisites: Three hours of sophomore literature or consent of instructor.

PHIL 3342 Great Bks: Renais. to Present
An intensive study of one or two philosophical classics or a series of readings selected from the classics of Western tradition since the Renaissance, from Cervantes to the present. Interchangeable with ENGL 3342. May be repeated when topic changes.
Prerequisites: Three hours of sophomore literature or consent of instructor.

PHIL 4310 Great Thinkers
This course involves the critical analysis of a specified philosopher’s ideas over the course of his or her career through the examination of selected works. Course may be repeated for credit when topics vary.
Prerequisite ENGL 1302.

PHIL 4334 American Literary Renaissance
A study of American literature between 1830 and 1880, featuring selections by such writers as Emerson, Hawthorne, Poe, Fuller, Douglass, Thoreau, Melville, Stowe, Fern, and Whitman.
Prerequisites: Successful completion of the Language, Philosophy, and Culture CORE component.

PHIL 4380 Philosophy in Literature
Formulation and critical analysis of philosophical ideas in selected literary works. May be repeated for credit when topic changes.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or three hours of sophomore-level PHIL with a grade of "C" or better, or consent of instructor

PHIL 4388 Existentialism
A study of the nature of human existence and experience in the philosophies of Dostoeyevsky, Nietzsche, Miguel de Unamuno, Kafka, Ortega y Gasset, Sartre, and Camus. May be repeated for credit when topic varies.
Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or three hours of sophomore-level PHIL with a grade of "C" or better, or consent of instructor

PHIL 4395 Special Topics in Philosophy
This special topics course will focus on philosophical contents and methods that are not currently covered by other Philosophy courses in the catalog. Course may be repeated when topic changes.

PORT 1311 Beginning Portuguese I
In this course, students will acquire fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures and culture.
TCCN: PORT 1411

PORT 1312 Beginning Portuguese II
A continuation of PORT 1311, students will acquire additional skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
Prerequisites: PORT 1311 or consent of instructor.
TCCN: PORT 1412
PORT 1620 Beginning Portuguese I and II
An intensive oral and written introduction to Portuguese; student will acquire fundamental skills in listening comprehension, speaking, reading and writing. Includes basic vocabulary, grammatical structures, and culture. This course offers the student a one-semester course equivalent to PORT 1311 and PORT 1312.

PORT 3301 Intensive Portuguese
Conducted in Portuguese. This course is designed for Spanish speakers or for highly-motivated students with experience in another Romance language. Special emphasis on making the transition from Spanish to Portuguese using a communicative approach with emphasis on all language skills. This course may be used to meet the University foreign language Core Curriculum requirements or the second Romance language degree requirement in Spanish.
Prerequisites: Twelve hours of Spanish or another Romance Language or consent of the instructor.

PORT 3324 Luso-Brazilian Lit&Culture
Conducted in Portuguese. Thematic examination of some of the major cultural developments, overview of literary periods, and introduction to the major literary figures of Portugal, Brazil, and the Luso-African countries.
Prerequisites: PORT 3301.

SPAN 1311 Intro Spanish for Non-Native I
An oral and written introduction to Spanish for students with no previous knowledge of the language. The course emphasizes the need to acquire an ear for the sound of Spanish and an introduction to the language's grammatical structures. This is the first part of a two part introduction to Spanish. SPAN 1311 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received 6 SCH of introductory Spanish by having taken either the CLEP exam or AP high school courses.
Prerequisites: Departmental placement exam.
TCCN: SPAN 1411

SPAN 1312 Intro Span for Non-Native II
An oral and written introduction to Spanish for students with no previous knowledge of the language. The course emphasizes the need to acquire an ear for the sound of Spanish and an introduction to the language's grammatical structures. SPAN 1312 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received 6 SCH of introductory Spanish by having taken either the CLEP exam or AP high school courses.
Prerequisites: SPAN 1311 or equivalent course, or departmental placement exam.
TCCN: SPAN 1412

SPAN 1620 Intro Span Non-Ntve Spkrs I&II
An intensive beginning Spanish course for non-native speakers. An oral and written introduction to Spanish for students with no previous knowledge of the language. The course emphasizes the need to acquire an ear for the sound of Spanish and an introduction to the language's grammatical structures. This course offers students a one-semester course equivalent to SPAN 1311 and SPAN 1312. SPAN 1620 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received 6 SCH of introductory Spanish by having taken either the CLEP exam or AP high school courses.

SPAN 2307 Intro to Creative Writing
Conducted in Spanish. This introductory course is designed to give students the opportunity to explore their abilities and interests in a variety of genres. The course will emphasize the aesthetic demands of different genres through formal study of required readings and especially through first-hand experience of writing exercises. Students will write in at least two of the following genres: poetry, fiction, drama, screenwriting, and non-fiction.
Prerequisites: Any 2000 level SPAN course, or Spanish proficiency (with consent of the instructor).

SPAN 2311 Inter Span for Non-Native I
Conducted in Spanish. For students who have finished the beginning sequence of SPAN 1311/1312, or who, as a result of testing, demonstrate their readiness for this course. Emphasis includes both the oral and written language. Local Spanish language resources and media are used to help students exploit the linguistic resources of this Hispanic community and develop proficiency in their total use of Spanish.
SPAN 2311 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received Spanish credit by having taken the AP exam.
Prerequisites: SPAN 1312, or SPAN 1620, or equivalent course, or departmental placement exam.
TCCN: SPAN 2311

SPAN 2312 Inter Span for Non-Native II
Conducted in Spanish. This course is the last course in a four-course sequence for non-native speakers of Spanish. As students complete their study of the oral and written conventions of Spanish, they are encouraged and prepared to make extensive use of the Hispanic environment which surrounds our University. SPAN 2312 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received Spanish credit by having taken the AP exam.
Prerequisites: SPAN 2311 or equivalent course, or departmental placement exam.
TCCN: SPAN 2312

SPAN 2313 Span Heritage Lang Speak I
Conducted in Spanish. A course for students from an English-Spanish dual language environment who have been exposed to spoken Spanish, but have little or no formal study of the language. A systematic presentation of oral and written conventions in Spanish will be presented along with identification of regional varieties of usage. This is the first part of a two-part introduction to Spanish for Spanish speakers.
Prerequisites: Departmental Placement exam.
TCCN: SPAN 2313

SPAN 2315 Span Heritage Lang Speak II
Conducted in Spanish. This is the second half of a course designed for students from a Hispanic environment who have been exposed to spoken Spanish, but have little or no formal study of the language. A systematic presentation of oral and written conventions in Spanish will be presented along with identification of regional varieties of usage, providing opportunities for expanding proficiency in Spanish for personal and professional use.
Prerequisites: SPAN 2313 or departmental placement exam.
TCCN: SPAN 2315
SPAN 2350 Intro to the Hispanic World
This is an introductory course for students interested in understanding Hispanic culture from general concepts of culture to different art expressions. How does a major geographical area come to be defined as Hispanic? What diverse elements merge together to form an identity? The course will focus on four fundamental elements: FAMILY (organization of the household, gender roles and personal interrelations); ETHNIC DIVERSITY (contributions to culture according to ethnicity); BELIEF SYSTEMS (religions, supernatural and superstitions –including holidays and practices); and ENTERTAINMENT (sports, telenovelas, secular celebrations). Literature, radio, film, music, painting and other art expressions will be used during classes.

SPAN 2351 Intro to Iberian Culture&Civ
This is an introductory course for students interested in understanding Spanish culture from pre-Roman times onwards. It promotes awareness of the cultural, linguistic, and geographic diversity of the Iberian Peninsula with an emphasis on Spain. It analyzes the main periods in Spanish cultural history, with attention to Spain's multicultural origins. Topics may include literature as a reflection of social reality nationalism and identity, contemporary artistic and cinematographic expressions, entertainment, sports, and gastronomy.

SPAN 2620 Inter Span Non-Ntve Spkrs I&II
An intensive intermediate Spanish course for students who have completed the beginning Spanish sequence (SPAN 1311 and SPAN 1312) or who, as a result of testing, demonstrate their readiness for this course. Emphasis includes both the oral and written language. As students complete their study of the oral and written conventions in Spanish, they are encouraged and prepared to make extensive use of the Hispanic environment that surrounds our university. This course offers students a one-semester course equivalent to SPAN 2311 and SPAN 2312. SPAN 2620 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received Spanish credit by having taken the AP exam.

SPAN 2630 Span for Heritage Lang I & II
Conducted in Spanish. A course for students from an English-Spanish dual language environment who have been exposed to spoken Spanish, but have little or no formal study of the language. A systematic presentation of oral and written conventions in Spanish will be presented along with identification of regional varieties of usage. This course offers the student a one-semester course equivalent to SPAN 2313 and 2315, Spanish for Spanish speakers.
Prerequisites: Departmental placement exam.

SPAN 3305 Spanish Academic Writing
Conducted in Spanish. Required of all Spanish majors, minors, and students of bilingual education or dual language programs. This course will pay special attention to the various uses of writing to communicate effectively in specific rhetorical situations. Grammatical and mechanical correctness and vocabulary development will be studied within the context of producing clear and effective writing. May be taken concurrently with SPAN 3310.
Prerequisites: SPAN 2312, or SPAN 2315, or SPAN 2620, or SPAN 2630, or by placement test, or consent of instructor.

SPAN 3310 Intro to Literature in Spanish
Conducted in Spanish. Required of all Spanish majors and minors, and students of bilingual education or dual language programs. This course will provide students with a general knowledge of the literature of the Spanish-speaking world, while assisting the development of critical and analytical skills. The genres of poetry, prose and drama will be represented. May be taken concurrently with SPAN 3305.
Prerequisites: SPAN 2312, or SPAN 2315, or SPAN 2620, or SPAN 2630, or by placement test, or consent of instructor.

SPAN 3317 Spanish Linguistics
Conducted in Spanish. This course is designed to give students insight into how the Spanish language functions as a system and why it works that way. The focus of the course will be on practical application of linguistic principles to improve the student’s ability to use and perceive Spanish as an integrated linguistic system. It will present an overall view of Spanish phonology, morphology, and syntax as organized systems, pointing out to students relative correspondences and differences.
Prerequisites: SPAN 2312, or SPAN 2315, or SPAN 2350, or SPAN 2351, or SPAN 2620, or SPAN 2630, or by placement test, or consent of instructor.

SPAN 3321 Stud in Span Lit Before 1700
Conducted in Spanish. A chronological survey from the Jarchas and Poema de Mio Cid to the works of Calderon de la Barca.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 3322 Studies in Span Lit After 1700
Conducted in Spanish. A chronological survey beginning with the Enlightenment and including the romantics, nineteenth-century poetry and drama, the emergence of the Generation of 1898, and literary forms of the twentieth-century.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 3323 Stud in Span Am Lit: Conq-Mod
Conducted in Spanish. A chronological survey beginning with Columbus’s letters, chronicles of the Spanish conquistadors, Cortes’ letters, poetry and prose through Modernism.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 3326 Stud Span Am Lit: 19th & 20th
Conducted in Spanish. A chronological survey including Modernism and poetry, fiction and prose writings of the twentieth century, with emphasis in the development of the modern prose in Spanish America.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 2313 & 2315 or 2630 or by placement test Spanish Skills Assessment (SSA).
SPAN 3350 Intro to Span>Engl Translation
Introduction to theory and practice for written and sight translation from Spanish to English in a variety of text categories. Provides students with the tools to identify, analyze, and resolve translation problems of short texts, while developing practical translation skills. Proficiency in English and Spanish is required. This course is interchangeable with TRAN 3350. Prerequisites: ENGL 1302 and any SPAN 2000-level course, or consent of instructor.

SPAN 3351 Intro to Eng>Span Translation
Introduction to theory and practice for written and sight translation from English to Spanish in a variety of text categories. Provides students with the tools to identify, analyze, and resolve basic translation problems of short texts, while developing practical translation skills. Proficiency in English and Spanish is required. This course is interchangeable with TRAN 3351. Prerequisites: ENGL 1302 and any SPAN 2000-level course, or consent of instructor.

SPAN 3390 Span Lang&Cult for Professions
Designed for students who are interested in studying Spanish in the context of activities related to the professional world. This course will focus on domestic and international issues related to business and commerce, education, law enforcement, medicine, and social services and includes topics related to cultural considerations, generalized and specific professional concerns, correspondence, and translation. Conducted in Spanish. Prerequisites: Any 2000-level SPAN course, or consent of instructor.

SPAN 4300 Contemp Span Am Soc in Lit
This course examines the relationship between art and the political, historical, and social realities of the Spanish American society through fiction written by some of its most distinguished writers such as Garcia Marquez, Allende, Vargas Llosa, Borges, Castellanos, Octavio Paz, Carlos Fuentes, etc. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4301 18th & 19th Cent Spanish Lit
Conducted in Spanish. Studies literary production from 1700-1898 covering poetry, drama, and prose. This course may focus on genre, literary movement, specific authors or literary generations. Course may be repeated twice for credit if topic changes. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4302 20th Century Spanish Prose
Conducted in Spanish. Studies prose production from 1898 to the present covering essay, novel, and short story. This course may focus on specific literary movements, authors, or literary generations. Course may be repeated for twice for credit when topic changes. Prerequisites: SPAN 3305 or SPAN 3310, or consent of instructor.

SPAN 4303 The Spanish American Novel
Conducted in Spanish. A study of Spanish America's most widely acclaimed genre. Students will examine representative works of the older generation of novelists, including Sarmiento and Gairalde, Gallegos and Rivera, as well as more modern writers such as Carpenter, Cortzar, Asturias, Vargas Llosa, Fuentes, Ruflo, and Garcia Marquez. The novels' historical, social, cultural and intellectual ambience will form an integral part of the course. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4304 The Generation of 1898
Conducted in Spanish. The Generation and its influence upon the growth and development of Spanish thought. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4305 Mod Span Lit: Drama & Poetry
Conducted in Spanish. The study of two major genres of modern Spanish literature, works of interest to a student planning graduate work in literature and to one interested in the intellectual and artistic life of modern Spain. The topic will be determined each time the course offered, mindful of the needs of both students and faculty. Topics include: Drama: Benavente, Garcia Lorca, Calvo Sotelo, Buero Vallejo, Sastre, Valle-Inclán. Poetry: Machado, Juan Ramón Jiménez, and García Lorca and his generation. May be repeated once when topic changes. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4306 Colonial Spanish American Lit
Conducted in Spanish. Study of the Spanish American literature written from the colonial period to the years of the independence declared by the colonies. The course considers literature as well as the social and historical contexts. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4307 Span Am Lit: Poetry&ShortStory
Conducted in Spanish. The study of two major genres of Spanish American literature, works of interest both to students of modern Spanish American culture and to those planning graduate work in Spanish. The topic will be determined each time the course is offered, mindful of needs of both students and faculty. Works studied will include: Poetry: Dario, Neruda, Vallejo, Borges Short story: Cortázar, Ruflo, García Márquez, Borges. May be repeated once when topic changes. May be repeated once when topic changes. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4308 Cervantes & Don Quijote
Conducted in Spanish. An introduction to and careful reading of Cervantes’ classic, a work which represents the origin of the modern novel and remains the fundamental book of Hispanic culture. The course will focus upon the text of Don Quijote, studied in the social, cultural and intellectual context of the late sixteenth and early seventeenth centuries. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4309 Mexican Literature
Conducted in Spanish. This course will focus on a specific time period, literary movement, genre, or major author in Mexican literature. Topics will vary. May be repeated once when topic changes. Prerequisites: SPAN 3305 or SPAN 3310, or consent of instructor.

SPAN 4311 Probs in Teaching of Span
Conducted in Spanish. Study of the linguistic principles, methodological theories, and classroom techniques conducive to effective and efficient teaching of Spanish as a native or second language. Recommended for prospective teachers. Prerequisites: SPAN 3305, or consent of instructor.
SPAN 4312 History of Spanish Language
Conducted in Spanish. This course is an introduction to the history and development of the Spanish language from its origins to the present day. Topics may include: Spanish in relation to Latin and other Romance languages; basic principles of language change; analysis of the stages of the evolution of Spanish since the Ancient Latin period taking into account influences of other cultures and languages; and analysis of American Spanish and Peninsular Spanish. Prerequisites: SPAN 3305, or consent of instructor.

SPAN 4314 Spanish Literature Before 1500
Conducted in Spanish. Will feature selected studies of the complete versions of major Spanish medieval texts including El Cid, El Conde Lucanor, El libro de Buen Amor and the Celestina. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4315 Spanish Lit of the Golden Age
Conducted in Spanish. Will feature selected authorial, generic or thematic studies of the complete versions of major Spanish Golden Age texts, featuring the picaresque and exemplary novels, the Romancero, Baroque poetry, and the drama of Lope de Vega, Tirso de Molina and Cánderón de la Barca. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4316 Studies in Language
A special topics seminar in some aspect of the study of language. The course may focus on a special problem in linguistics, heritage languages, second language acquisition, history of the language, literacy, the teaching of the language or language policy and implementation. May be repeated for credit twice when topic changes. Prerequisites: SPAN 3303, or SPAN 3305, or consent of instructor.

SPAN 4317 Hispanic Folklore
Conducted in Spanish. A survey of Hispanic folklore. Examination of the principal genres of folklore as found in Spain, Spanish America and the Hispanic Southwest. Prerequisites: SPAN 3305, or consent of instructor.

SPAN 4320 Span Am Lit: 20th Century
An introduction to the major literary expressions of Spanish America during the XX Century, in which selected works of novel, short story, poetry and drama will be studied. Students will read and examine representative works of authors such as Rivera, Bombal, Vargas Llosa, García Márquez, Borges, Cortázar, Bosch, Neruda, Guillén, Burgos, Dragún, Buenaventura. Conducted in Spanish. Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4330 Special Topics Span Lit & Cult
Conducted in Spanish. This course may focus on selected author, historical periods, literary movements, genres, themes or cultural issues in the Spanish literature. Course may also cover any aspect of Spanish culture or Transatlantic approaches to Hispanic cultural production other than literature including but not limited to film, folklore, music, popular culture, visual culture, etc. in any time period. May be repeated for credit once when topic changes. Prerequisites: SPAN 3305 and SPAN 3310, or consent of the instructor.

SPAN 4335 Special Top in Hisp Lit & Cult
Conducted in Spanish. This course may focus on selected author, historical periods, literary movements, genres, themes or cultural issues in the Transatlantic approaches to Hispanic culture and literature. Course covers productions from literature to film, journalism, music, popular culture, visual culture, etc. in any time period. May be repeated for credit once when topic changes. Prerequisites: SPAN 3305 and SPAN 3310 or consent of instructor.

SPAN 4340 Special Topics in Span Am Lit
Conducted in Spanish. This course may focus on selected author, historical periods, literary movements, genres, themes or cultural issues in Spanish American literature. Course may also cover any aspect of Spanish American Culture or Transatlantic approaches to Hispanic cultural production other than literature including but not limited to film, folklore, music, popular culture, visual culture, etc. in any time period. May be repeated once for credit when topic changes. Prerequisites: SPAN 3305 and SPAN 3310, or consent of the instructor.

SPAN 4360 Intermediate Span Engl Trans
A continuation of the theory and practice of translation from Spanish to English, including consideration of cultural and morpho-syntactical problems. Students learn to apply translation techniques and strategies to resolve language-specific translation problems, while practicing the translation of longer texts in a variety of categories that may include the areas of literature, healthcare, and the law. Proficiency in English and Spanish is required. This course is interchangeable with TRAN 4360. Prerequisites: SPAN 3350, or TRAN 3350, or SPAN 3351, or TRAN 3351.

SPAN 4361 Intermediate Engl-Span Trans
A continuation of the theory and practice of translation from English to Spanish, including consideration of cultural and morpho-syntactical problems. Students learn to apply translation techniques and strategies to resolve language-specific translation problems, while practicing the translation of longer texts in a variety of categories that may include literature, healthcare, and the law. Proficiency in English and Spanish is required. This course is interchangeable with TRAN 4361. Prerequisites: SPAN 3350, or TRAN 3350, or SPAN 3351, or TRAN 3351.

SPAN 4371 Hispanic Culture
This course provides contemporary perspectives on Hispanic cultures in an approach to understanding the Hispanic world, its customs, attitudes, and values as they relate to intercultural communication. Students will achieve familiarity with the major Hispanic figures in history; the arts, political events, and social and religious institutions. Prerequisites: Any 2000-level SPAN course, or consent of instructor.

SPAN 4373 Undergraduate Research
A course adapted to the directed study of topics in Spanish. Advanced students will develop a project in cooperation with an instructor. The project will be established by the student with the approval of the instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the instructor.

SPAN 4390 Span for Professional Purposes
Conducted in Spanish. This course is designed to help students become more proficient in communicating in Spanish about different professions or fields of study. The course introduces specialized vocabulary and technical writing necessary to function in many areas of the professional world. Prerequisites: SPAN 3305, or consent of instructor.
SPAN 4397 International Service Learning
This course seeks to engage students in activities that combine both academic learning and community service in a foreign country. Students participate in an organized service activity that meets identified community needs. Students are required to reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility. Final service projects must be presented to a broad audience. May be combined with Study Abroad and may be conducted in English, Spanish or Portuguese. Faculty supervisor required. Prerequisites: Consent of instructor.

SPAN 4398 Creative Writing
Conducted in Spanish. This course explores current theory and creative writing techniques through the study of required readings and the application of techniques in students' own work. Genres covered will regularly include poetry, fiction, and screenwriting, with drama, children's literature, non-fiction and other genres offered occasionally. This course may be repeated for credit but no more than twice in the same genre. Prerequisites: Any 2000-level SPAN course, or SPAN 3305, or Spanish proficiency (with consent of instructor).

SPAN 4399 Senior Seminar
The senior seminar is a special topics capstone course required of all Spanish majors. Course readings, class discussions, and papers will focus on a highly defined issue in the study of literature or language. All senior seminars, however, will require that students develop and demonstrate command of the research process and superior writing skills. Attention will also be paid to professional post-collegiate issues of relevance to Spanish majors. Prerequisites: SPAN 3305 and SPAN 3310 and Senior Standing and at least 18 semester credit hours completed in SPAN courses.

SPN 1311 Intro to Span for Non-Native I
SPN 1312 Intro to Span Non-Native II
SPN 2311 Inter Span for Non-Native I
SPN 2312 Inter Span for Non-Native II
SPN 2320 Span Grammer&Comp
SPN 3300 Spanish Grammar & Comp

TRAN 3350 Intro to Span>Engl Translation
Introduction to theory and practice of written and sight translation from Spanish to English in a variety of categories. Provides students with the tools to identify, analyze, and resolve translation problems of short texts, while developing practical translation skills. Proficiency in English and Spanish is required. This course is interchangeable with SPAN 3350. Prerequisites: ENGL 1302 and any 2000-level SPAN course, or consent of instructor.

TRAN 3351 Intro to Engl-Span Translation
Introduction to theory and practice of written and sight translation from English to Spanish in a variety of categories. Provides students with the tools to identify, analyze, and resolve basic translation problems of short texts, while developing practical translation skills. Proficiency in English and Spanish is required. This course is interchangeable with SPAN 3351. Prerequisites: ENGL 1302 and any 2000-level SPAN course, or consent of instructor.

TRAN 4360 Intermediate Span>Engl Trans
A continuation of the theory and practice of translation from Spanish to English, including consideration of cultural and morpho-syntactical problems. Students learn to apply translation techniques and strategies to resolve language-specific translation problems, while practicing the translation of longer texts in a variety of categories that may include literature, healthcare, and the law. Proficiency in English and Spanish is required. This course is interchangeable with SPAN 4360. Prerequisites: SPAN 3350, or TRAN 3350, or SPAN 3351, or TRAN 3351.

TRAN 4361 Intermediate Engl-Span Trans
A continuation of the theory and practice of translation from English to Spanish, including consideration of cultural and morpho-syntactical problems. Students learn to apply translation techniques and strategies to resolve language-specific translation problems, while practicing the translation of longer texts in a variety of categories that may include literature, healthcare, and the law. Proficiency in English and Spanish is required. This course is interchangeable with SPAN 4361. Prerequisites: SPAN 3350, or TRAN 3350, or SPAN 3351, or TRAN 3351.

TRAN 4375 Special Topics in Translation
Selected topics in the theory and practice of Spanish and English Translation. Topics may include culture and translation, politics and translation, translation in educational settings, translation technologies, as well as, specialized fields such as audiovisual, literary, medical, and legal translation. Prerequisites: SPAN 3350 or TRAN 3350 or SPAN 3351 or TRAN 3351.

TRAN 4380 Fundamentals of Interpreting
A course in the theory and practice of interpreting. General examination of the skills, responsibilities, and role of the interpreter in different settings such as community interpreting, court interpreting, healthcare interpreting, and conference interpreting. Limited practice in sight translation, consecutive interpreting, note-taking, and simultaneous interpreting from Spanish to English and English to Spanish. Prerequisites: SPAN 3350 or TRAN 3350 or SPAN 3351 or TRAN 3351.

Bachelor of Arts with Majors in Communication and Spanish (BA)

Degree Requirements
Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

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<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
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<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
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<tr>
<td>Math Elective</td>
<td>Select 3 SCH from any math course above the level of College Algebra</td>
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Life & Physical Science Lab
Select 1 SCH compatible with a Life & Physical Science course 1

Second Romance Language
Select 6 SCH from the same Romance Language (French, Latin or Portuguese) 6

Communication Major
COMM 1326    Journalistic Writing 3
COMM 3310    Methods of Inquiry:Quant Rsch 3
COMM 3322    Public Relations 3
COMM 3325    Mass Communication Processes 3
COMM 3327    Media Writing 3
COMM 3329    Fundamentals of Advertising 3
COMM 4320    Trends in International Comm 3
COMM 4324    Comparative Journalism 3
COMM 4340    Communication Ethics 3
COMM 4350    Internship 3
COMM 4360    Comm Theory&Practice 3

Spanish Major
SPAN 2350    Intro to the Hispanic World 3
SPAN 3305    Spanish Academic Writing 3
SPAN 3310    Intro to Literature in Spanish 3
SPAN 3351    Intro to Engl>Span Translation 3
SPAN 3370    Special Topics Span Lit & Cult 3
SPAN 398    Creative Writing 3

Spanish Elective
Select 15 SCH 3000-4000 level Spanish 15

General Electives
Select 2 SCH at the 3000-4000 level from any discipline, except Communication or Spanish, outside the College of Nursing and Health Sciences 2

Total Semester Credit Hours 120

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

#### Freshman

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<td>Language, Philosophy &amp; Culture</td>
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| Semester Credit Hours | 15 |

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| Semester Credit Hours | 15 |

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| Semester Credit Hours | 15 |
Bachelor of Arts with a Major in English (BA)

Degree Requirements

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2322</td>
<td>British Lit Through Neoclass</td>
<td></td>
</tr>
<tr>
<td>ENGL 2323</td>
<td>British Lit: Romantics-Pres</td>
<td></td>
</tr>
<tr>
<td>ENGL 2327</td>
<td>American Lit to the Civil War</td>
<td></td>
</tr>
<tr>
<td>ENGL 2328</td>
<td>American Lit: Civil War-Pres</td>
<td></td>
</tr>
<tr>
<td>ENGL 2332</td>
<td>Survey of World Lit to 1650</td>
<td></td>
</tr>
<tr>
<td>ENGL 2333</td>
<td>Survey of World Lit Since 1650</td>
<td></td>
</tr>
<tr>
<td>ENGL 2365</td>
<td>Literature and Film</td>
<td></td>
</tr>
<tr>
<td>ENGL 4313</td>
<td>Advanced English Grammar</td>
<td></td>
</tr>
<tr>
<td>ENGL 4322</td>
<td>Shakespeare's Major Plays</td>
<td></td>
</tr>
<tr>
<td>ENGL 4323</td>
<td>Shakespeare in Performance</td>
<td></td>
</tr>
<tr>
<td>ENGL 4324</td>
<td>Women in Shakespeare</td>
<td></td>
</tr>
<tr>
<td>ENGL 4325</td>
<td>Studies in Shakespeare</td>
<td></td>
</tr>
</tbody>
</table>

American Literature

Select 6 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3330</td>
<td>Early American Literature</td>
</tr>
<tr>
<td>ENGL 3331</td>
<td>Late 19th Century American Lit</td>
</tr>
<tr>
<td>ENGL 3332</td>
<td>Early 20th Century American Lit</td>
</tr>
<tr>
<td>ENGL 3333</td>
<td>Late 20th Century American Lit</td>
</tr>
<tr>
<td>ENGL 3334</td>
<td>American Literary Renaissance</td>
</tr>
<tr>
<td>ENGL 3335</td>
<td>Minority Voices</td>
</tr>
<tr>
<td>ENGL 3336</td>
<td>Chicano/a Literature</td>
</tr>
<tr>
<td>ENGL 3339</td>
<td>Reading Nature in American Lit</td>
</tr>
</tbody>
</table>

British Literature

Select 6 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3320</td>
<td>The Middle Ages</td>
</tr>
<tr>
<td>ENGL 3321</td>
<td>The 16th Century</td>
</tr>
<tr>
<td>ENGL 3322</td>
<td>The 17th Century</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>The Restoration &amp; 18th Cent</td>
</tr>
<tr>
<td>ENGL 3324</td>
<td>19th Cent Brit. Lit: Romantics</td>
</tr>
<tr>
<td>ENGL 3325</td>
<td>19th Century Lit: Victorians</td>
</tr>
<tr>
<td>ENGL 3326</td>
<td>British Lit from 1900 to WWII</td>
</tr>
<tr>
<td>ENGL 3327</td>
<td>British Lit from WWII to Pres</td>
</tr>
<tr>
<td>ENGL 4320</td>
<td>Studies in English Literature</td>
</tr>
<tr>
<td>ENGL 4321</td>
<td>Major British Authors</td>
</tr>
<tr>
<td>ENGL 4322</td>
<td>Shakespeare's Major Plays</td>
</tr>
<tr>
<td>ENGL 4323</td>
<td>Shakespeare in Performance</td>
</tr>
<tr>
<td>ENGL 4324</td>
<td>Women in Shakespeare</td>
</tr>
<tr>
<td>ENGL 4325</td>
<td>Studies in Shakespeare</td>
</tr>
</tbody>
</table>

Advanced English Lit. Electives

Select 6 SCH from 3000-4000 level ENGL courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 4399</td>
<td>Senior Seminar - WIN</td>
</tr>
</tbody>
</table>

Surveys of Literature

Select 6 SCH (in addition to the survey of literature course taken as part of the Core Curriculum) from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3320</td>
<td>The Middle Ages</td>
</tr>
<tr>
<td>ENGL 3321</td>
<td>The 16th Century</td>
</tr>
<tr>
<td>ENGL 3322</td>
<td>The 17th Century</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>The Restoration &amp; 18th Cent</td>
</tr>
<tr>
<td>ENGL 3324</td>
<td>19th Cent Brit. Lit: Romantics</td>
</tr>
<tr>
<td>ENGL 3325</td>
<td>19th Century Lit: Victorians</td>
</tr>
<tr>
<td>ENGL 3326</td>
<td>British Lit from 1900 to WWII</td>
</tr>
<tr>
<td>ENGL 3327</td>
<td>British Lit from WWII to Pres</td>
</tr>
<tr>
<td>ENGL 4320</td>
<td>Studies in English Literature</td>
</tr>
<tr>
<td>ENGL 4321</td>
<td>Major British Authors</td>
</tr>
<tr>
<td>ENGL 4322</td>
<td>Shakespeare's Major Plays</td>
</tr>
<tr>
<td>ENGL 4323</td>
<td>Shakespeare in Performance</td>
</tr>
<tr>
<td>ENGL 4324</td>
<td>Women in Shakespeare</td>
</tr>
<tr>
<td>ENGL 4325</td>
<td>Studies in Shakespeare</td>
</tr>
</tbody>
</table>

Minor
Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

**General Electives**
Select 17 SCH, at least twelve of which must be at the 3000-4000 level, from any discipline outside the College of Nursing and Health Sciences. Students who do not elect to have a minor curriculum may use up to 9 hours of the resulting general electives in their major curriculum.

**Total Semester Credit Hours**: 120

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### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

#### Freshman

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>18</td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td>3</td>
</tr>
<tr>
<td>MATH - Math Elective</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>15</td>
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#### Sophomore

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>2</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
</tr>
<tr>
<td>ENGL - Survey of Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Junior

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>ENGL - Survey of Literature</td>
<td>3</td>
</tr>
<tr>
<td>Soc/Behavioral Science</td>
<td>3</td>
</tr>
<tr>
<td>Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>ENGL - Advanced American Lit Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL - Advanced British Lit Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL - Advanced English Lit. Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

#### Senior

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>ENGL 4399</td>
<td>Senior Seminar - WIN</td>
</tr>
<tr>
<td>ENGL - Advanced English Grammar</td>
<td>3</td>
</tr>
<tr>
<td>ENGL - Advanced American Lit Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>Advanced General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
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</tr>
</tbody>
</table>

**Total Semester Credit Hours**: 120

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1. Shakespeare courses (ENGL 4322, 4323, 4324, 4325) are offered on rotation in Fall, Spring, and Summer semesters.
2. ENGL 4399 is offered in Fall and Spring semesters.
* See information on the combined BA/MA Programs in this section. Students who do not elect to have a minor curriculum may use up to 9 hours of their available electives in additional courses in their major curriculum.

No English course/topic may be utilized for credit for more than one English degree requirement.

**Actual degree plans may vary depending on availability of courses in a given semester.**

**Some courses may require prerequisites not listed.**
Bachelor of Arts with a Major in English with Grades 7-12 Certification (BA)

Degree Requirements

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation" (p. 36) section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation.&quot; English majors must choose a Survey of Literature course as their Language, Philosophy and Culture component in the core</td>
<td>42</td>
</tr>
<tr>
<td>Math Elective</td>
<td>Select 3 SCH from any math course above the level of College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>Select 1 SCH compatible with Life &amp; Physical Science course</td>
<td>1</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td>Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
<td>6</td>
</tr>
<tr>
<td>Major</td>
<td>ENGL 4399 Senior Seminar - WIN</td>
<td>3</td>
</tr>
<tr>
<td>Surveys of Literature</td>
<td>Select 6 SCH (in addition to the sophomore survey of literature course taken as part of the Core Curriculum) from the following:</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 2322</td>
<td>British Lit Through Neoclass</td>
<td></td>
</tr>
<tr>
<td>ENGL 2323</td>
<td>British Lit: Romantics-Pres</td>
<td></td>
</tr>
<tr>
<td>ENGL 2327</td>
<td>American Lit to the Civil War</td>
<td></td>
</tr>
<tr>
<td>ENGL 2328</td>
<td>American Lit: Civil War-Pres</td>
<td></td>
</tr>
<tr>
<td>ENGL 2332</td>
<td>Survey of World Lit to 1650</td>
<td></td>
</tr>
<tr>
<td>ENGL 2333</td>
<td>Survey of World Lit Since 1650</td>
<td></td>
</tr>
<tr>
<td>Language Studies</td>
<td>ENGL 4313 Advanced English Grammar</td>
<td>3</td>
</tr>
<tr>
<td>English Pedagogy</td>
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<td></td>
</tr>
<tr>
<td>Shakespeare</td>
<td>Select 3 SCH from the following:</td>
<td></td>
</tr>
<tr>
<td>ENGL 4322</td>
<td>Shakespeare’s Major Plays</td>
<td></td>
</tr>
<tr>
<td>ENGL 4323</td>
<td>Shakespeare in Performance</td>
<td></td>
</tr>
<tr>
<td>ENGL 4324</td>
<td>Women in Shakespeare</td>
<td></td>
</tr>
<tr>
<td>ENGL 4325</td>
<td>Studies in Shakespeare</td>
<td></td>
</tr>
<tr>
<td>American Literature</td>
<td>Select 6 SCH from the following:</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 3330</td>
<td>Early American Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 3331</td>
<td>Late 19th Century American Lit</td>
<td></td>
</tr>
<tr>
<td>ENGL 3332</td>
<td>Early 20th Century American Lit</td>
<td></td>
</tr>
<tr>
<td>ENGL 3333</td>
<td>Late 20th Century American Lit</td>
<td></td>
</tr>
<tr>
<td>ENGL 4330</td>
<td>Studies in American Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 4331</td>
<td>Major American Authors</td>
<td></td>
</tr>
<tr>
<td>ENGL 4334</td>
<td>American Literary Renaissance</td>
<td></td>
</tr>
<tr>
<td>ENGL 4335</td>
<td>Minority Voices</td>
<td></td>
</tr>
<tr>
<td>ENGL 4336</td>
<td>Chicano/a Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 4339</td>
<td>Reading Nature in American Lit</td>
<td></td>
</tr>
<tr>
<td>British Literature</td>
<td>Select 6 SCH from the following:</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 3320</td>
<td>The Middle Ages</td>
<td></td>
</tr>
<tr>
<td>ENGL 3322</td>
<td>The 17th Century</td>
<td></td>
</tr>
<tr>
<td>ENGL 3324</td>
<td>19th Cent Brit. Lit: Romantics</td>
<td></td>
</tr>
<tr>
<td>ENGL 3326</td>
<td>British Lit from 1900 to WWII</td>
<td></td>
</tr>
<tr>
<td>ENGL 3327</td>
<td>British Lit from WWII to Pres</td>
<td></td>
</tr>
<tr>
<td>ENGL 4320</td>
<td>Studies in English Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 4321</td>
<td>Major British Authors</td>
<td></td>
</tr>
<tr>
<td>Advanced English Elective</td>
<td>Select 3 SCH from 3000-4000 level ENGL courses</td>
<td>3</td>
</tr>
<tr>
<td>Professional Education Core</td>
<td>EDCI 1102 Intro to Teaching Profession</td>
<td>1</td>
</tr>
<tr>
<td>EDCI 2224 Cultural Foundations of Ed</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>EDCI 3200 Survey of Content Know &amp; Exper</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>EDCI 3301 Assessment for Instruc Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDCI 3302 Teaching Eng Lang Learners</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDCI 3315 Impl Eff Inst Strat Div Lrnrs</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDCI 4310 Engaging Learners</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDCI 4693 Clinical Teaching</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>EDSE 4350 Inc Pract Ch&amp;Yth W/Disablt</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDRD 3320 Content Reading-WIN</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Electives</td>
<td>Select 3 SCH from any discipline, outside the College of Nursing and Health Sciences.</td>
<td>3</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>120</td>
<td></td>
</tr>
</tbody>
</table>

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions.
and enrollment, responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Semester Credit Hours</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
</tr>
<tr>
<td>EDCI 1102</td>
<td>Intro to Teaching Profession</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
</tr>
<tr>
<td>MATH - Math Elective</td>
<td></td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td></td>
</tr>
<tr>
<td><strong>Total Semester Credit Hours</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
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<td>PSYC 2314</td>
<td>Lifespan Growth &amp; Development</td>
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<td>ENGL - Sophomore Survey</td>
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<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
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<td>EDCI 4693</td>
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<td>EDSE 4350</td>
<td>Inc Pract Ch &amp; Yth W / Disablts</td>
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</table>

**Total Semester Credit Hours** | **120**

¹ Language, Philosophy, & Culture: Select 3 SCH from ENGL 2322, 2323, 2327, 2328, 2332, 2333, or 2365.

² Shakespeare options (ENGL 4322, 4323, 4324, or 4325) are offered on rotation in fall, spring, and summer semesters.

³ ENGL 4399 is offered in Fall and Spring semesters.

⁴ Students are admitted to student teaching only after passing the certification exam to teach secondary English.

* No English course/topic may be utilized for credit for more than one English degree requirement.

Students must apply for admission to the College of Education while enrolled in EDCI 3200.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

**Bachelor of Arts with a Major in History (BA)**

**Degree Requirements**

**Hours Required**

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.
Requirements

<table>
<thead>
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</thead>
<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td>42</td>
</tr>
</tbody>
</table>

Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation." History majors must choose GEOG 1303 as their Social Behavioral Science Elective.

Life & Physical Science Lab
Select 1 SCH compatible with a Life & Physical Science course

Foreign Language
Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMIU-approved Study Abroad program while living for at least 4 weeks in another country.

Major
HIST 2321 Eastern Civilizations 3
HIST 2322 Western Civilization 3
HIST 3302 History of Texas 3
HIST 3303 Historical Methods-WIN 3
HIST 4310 Historical Perspectives-WIN 3

International HIST
Select 9 SCH from the following:

- HIST 3330 Colonial Latin America
- HIST 3331 Modern Latin America
- HIST 3332 Mexico
- HIST 3333 Central America & Caribbean
- HIST 3340 World Cultural History
- HIST 3352 World Historical Biography
- HIST 3353 World History and Film
- HIST 3379 World Intellectual History
- HIST 3386 World Immigration History
- HIST 3391 Islamic Civil 600-1400 CE
- HIST 3392 Contemporary Islamic World
- HIST 3393 History of Africa to 1880
- HIST 3394 History of Africa Since 1880
- HIST 3395 Contemporary South Asia
- HIST 3396 Borders & Identities in India
- HIST 4338 Pre-Modern Europe
- HIST 4339 Renaissance & Reformation Euro
- HIST 4340 European Age of Enlightenment
- HIST 4341 19th-Century Europe
- HIST 4342 Modern Europe: 1914-1990
- HIST 4380 Women in the Developing World

US History
Select 9 SCH from the following:

- HIST 3310 Military History of the US
- HIST 3341 U.S. Cultural History
- HIST 3354 U.S. Historical Biography
- HIST 3355 U.S. History and Film
- HIST 3370 U.S. Women's History
- HIST 3371 History of US Workers
- HIST 3375 U.S. Southern History
- HIST 3380 Intellectual History of the US
- HIST 3381 Sport and US History
- HIST 3385 Mexican American History
- HIST 3387 U.S. Immigration History
- HIST 4316 Colonial America: Dis-1763
- HIST 4317 Am Rev/Early Nat Era 1763-1815
- HIST 4318 Age of Jackson to Civil War
- HIST 4350 North American Borderlands
- HIST 4366 United States, 1865-1914
- HIST 4367 United States, 1914-1945
- HIST 4368 United States Since 1945
- HIST 4390 Seminar in US History

Minor
Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

General Elective
Select 20 SCHs, 17 of them must be at the 3000-4000 level. Students who do not elect to have a minor curriculum may use up to 9 hours of the resulting general electives in their major curriculum

Total Semester Credit Hours 120

Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelor of Arts with a Major in History and Political Science (BA)

Degree Requirements

Hours Required

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
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<tr>
<td>Minor/General Elective</td>
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<td></td>
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</table>

Spring

HIST 2322 | Western Civilization | 3 |
| PSCI 2306 | American State Government | 3 |
| Foreign Language/Study Abroad | 3 |
| Life & Physical Science | 3 |
| Life & Physical Science Lab | 1 |
| Advanced General Elective | 3 |

Semester Credit Hours | 16 |

Junior

Fall

HIST 3302 | History of Texas | 3 |
HIST 3303 | Historical Methods-WIN | 3 |
HIST - U.S. History Elec | 3 |
Minor/General Elective | 3 |

Spring

HIST - U.S. History Elec | 3 |
HIST - International Hist Elective | 3 |
Adv General Elective | 3 |
Adv General Elective | 3 |
Adv Minor/General Elective | 3 |

Semester Credit Hours | 15 |

Senior

Fall

HIST - International U.S. Hist Elective | 3 |
HIST - International U.S. Hist Elective | 3 |
HIST - U.S. History Elec | 3 |
Adv Minor/General Elective | 3 |

Total Semester Credit Hours | 120 |

* Students who do not elect to have a minor curriculum may use up to 9 hours of their available electives in additional courses in their major curriculum.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.
HIST 2322  Western Civilization  3
HIST 3302  History of Texas  3
HIST 3303  Historical Methods-WIN  3
HIST 4310  Historical Perspectives-WIN  3

International History
Select 9 SCH from the following:  9
HIST 3330  Colonial Latin America
HIST 3331  Modern Latin America
HIST 3332  Mexico
HIST 3340  World Cultural History
HIST 3351  World Historical Biography
HIST 3360  World History and Film
HIST 3370  World Intellectual History
HIST 3380  World Immigration History
HIST 3391  Islamic Civil 600-1400 CE
HIST 3392  Contemporary Islamic World
HIST 3393  History of Africa to 1880
HIST 3394  History of Africa Since 1880
HIST 3395  Contemporary South Asia
HIST 3396  Borders & Identities in India
HIST 4334  Renaissance & Reformation Euro
HIST 4340  European Age of Enlightenment
HIST 4341  19th-Century Europe
HIST 4342  Modern Europe: 1914-1990
HIST 4380  Women in the Developing World
HIST 4391  Seminar in World History
HIST 4392  Seminar in European History
HIST 4393  Sem. in Latin American History
HIST 4394  Seminar in Eastern History

US History
Select 9 SCH from the following:  9
HIST 3310  Military History of the US
HIST 3341  U.S. Cultural History
HIST 3370  U.S. Women's History
HIST 3354  U.S. Historical Biography
HIST 3355  U.S. History and Film
HIST 3371  History of US Workers
HIST 3375  U.S. Southern History
HIST 3380  Intellectual History of the US
HIST 3381  Sport and US History
HIST 3385  Mexican American History
HIST 3387  U.S. Immigration History
HIST 4316  Colonial America: Dis-1763
HIST 4317  Am Rev/Early Nat Era 1763-1815
HIST 4318  Age of Jackson to Civil War
HIST 4350  North American Borderlands
HIST 4366  United States, 1865-1914

HIST 4367  United States, 1914-1945
HIST 4368  United States Since 1945
HIST 4390  Seminar in US History

Political Science Major
PSCI 2301  Intro to Political Leadership  3
PSCI 3301  Research Methods in Social Sci  3
PSCI 4351  Senior Seminar in PSCI  3

American Politics
Select 6 SCH from the following:  6
PSCI 3320  Congress and the Presidency
PSCI 4311  The Constitution and Civil Lib
PSCI 4312  Constitution and Crim Pro Law
PSCI 4313  Constitution and Govt Powers
PSCI 4320  The Political System of U.S
PSCI 4321  Special Stud in Political Sci *

Constitutional Law
Select 3 SCH from the following:  3
PSCI 4311  The Constitution and Civil Lib
PSCI 4313  Constitution and Govt Powers
PSCI 4321  Special Stud in Political Sci *

Political Philosophy
Select 3 SCH from the following:  3
PSCI 3313  Class&Med Political Phil
PSCI 3314  Modern Political Philosophy
PSCI 4321  Special Stud in Political Sci *

Comparative Politics
Select 3 SCH from the following:  3
PSCI 3305  Govt & Politics of Europe
PSCI 3308  Latin American Pol Systems
PSCI 3310  Studies in Comp Politics
PSCI 4321  Special Stud in Political Sci *

International Politics
Select 3 SCH from the following:  3
PSCI 3340  International Law & Org
PSCI 4307  The Interamerican System
PSCI 4309  Mexican Politics & Government
PSCI 4310  Drug Trafficking
PSCI 4321  Special Stud in Political Sci *
PSCI 4335  International Politics
PSCI 4340  American Foreign Policy

Select 6 SCH at the 3000-4000 level (or higher for BA/MA students) not used for any other requirement  6

General Electives
Select 5 SCH  5

Total Semester Credit Hours 120

* When the topic is related to sub-field; course may be repeated when content changes.
**Four-Year Degree Plan**

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online (p. 36).

<table>
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<td>UNIV 1302</td>
<td>Signature Course</td>
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**Spring**

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<td>HIST - International History Elective</td>
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<td>3</td>
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<td>PSCI - Constitutional Law</td>
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<td>PSCI - Advance PSCI Elective</td>
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**Senior**

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<td>HIST - International History Elective</td>
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<td>HIST - U.S. History</td>
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<td>Spring</td>
<td>PSCI 4351</td>
<td>Senior Seminar in PSCI</td>
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<td></td>
<td>HIST 4310</td>
<td>Historical Perspectives-WIN</td>
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<td>HIST - U.S. History</td>
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<td></td>
<td>PSCI - Advance PSCI Elective</td>
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<td>Total Semester Credit Hours</td>
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<td>120</td>
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</table>

*Actual degree plans may vary depending on availability of courses in a given semester.*

*Some courses may require prerequisites not listed.*

**Bachelor of Arts with a Major in History with Grades 7-12 Certification (BA)**

**Degree Requirements**

**Hours Required**

A minimum of 120 semester credit hours (SCH) are required. 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Life &amp; Physical Science Lab</td>
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<tr>
<td></td>
<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
<td>1</td>
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<tr>
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<td>Foreign Language</td>
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Texas A&M International University 2021-2022 Catalog
Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMU-approved Study Abroad program while living for at least 4 weeks in another country.

**Major**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>HIST 2321</td>
<td>Eastern Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2322</td>
<td>Western Civilization</td>
<td>3</td>
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<tr>
<td>HIST 3302</td>
<td>History of Texas</td>
<td>3</td>
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<tr>
<td>HIST 3303</td>
<td>Historical Methods-WIN</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4310</td>
<td>Historical Perspectives-WIN</td>
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</table>

**International History**

Select 9 SCH from the following:

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>HIST 3330</td>
<td>Colonial Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3331</td>
<td>Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3332</td>
<td>Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3333</td>
<td>Central America &amp; Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3340</td>
<td>World Cultural History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3386</td>
<td>World Immigration History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3352</td>
<td>World Historical Biography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3353</td>
<td>World History and Film</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3379</td>
<td>World Intellectual History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3392</td>
<td>Contemporary Islamic World</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3393</td>
<td>History of Africa to 1880</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3394</td>
<td>History of Africa Since 1880</td>
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</tr>
<tr>
<td>HIST 3395</td>
<td>Contemporary South Asia</td>
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<tr>
<td>HIST 4338</td>
<td>Pre-Modern Europe</td>
<td>3</td>
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<tr>
<td>HIST 4339</td>
<td>Renaissance &amp; Reformation Euro</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4340</td>
<td>European Age of Enlightenment</td>
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<tr>
<td>HIST 4341</td>
<td>19th-Century Europe</td>
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<tr>
<td>HIST 4342</td>
<td>Modern Europe: 1914-1990</td>
<td>3</td>
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<tr>
<td>HIST 4380</td>
<td>Women in the Developing World</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4391</td>
<td>Seminar in World History</td>
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</tr>
<tr>
<td>HIST 4392</td>
<td>Seminar in European History</td>
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</tr>
<tr>
<td>HIST 4393</td>
<td>Sem. in Latin American History</td>
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<tr>
<td>HIST 4394</td>
<td>Seminar in Eastern History</td>
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**US History**

Select 9 SCH from the following:

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<td>HIST 3310</td>
<td>Military History of the US</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3341</td>
<td>U.S. Cultural History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3370</td>
<td>U.S. Women's History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3354</td>
<td>U.S. Historical Biography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3355</td>
<td>U.S. History and Film</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3375</td>
<td>U.S. Southern History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3380</td>
<td>Intellectual History of the US</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3381</td>
<td>Sport and US History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3385</td>
<td>Mexican American History</td>
<td>3</td>
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<tr>
<td>HIST 3387</td>
<td>U.S. Immigration History</td>
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<td>HIST 4316</td>
<td>Colonial America: Dis-1763</td>
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<tr>
<td>HIST 4317</td>
<td>Am Rev/Early Nat Era 1763-1815</td>
<td>3</td>
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<td>HIST 4318</td>
<td>Age of Jackson to Civil War</td>
<td>3</td>
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<tr>
<td>HIST 4350</td>
<td>North American Borderlands</td>
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<tr>
<td>HIST 4366</td>
<td>United States, 1865-1914</td>
<td>3</td>
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<tr>
<td>HIST 4367</td>
<td>United States, 1914-1945</td>
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<td>HIST 4368</td>
<td>United States Since 1945</td>
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<td>Seminar in US History</td>
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**Support Area**

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<tbody>
<tr>
<td>EDRD 3320</td>
<td>Content Reading-WIN</td>
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**Professional Education Core**

<table>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>EDCI 1102</td>
<td>Intro to Teaching Profession</td>
<td>1</td>
</tr>
<tr>
<td>EDCI 2224</td>
<td>Cultural Foundations of Ed</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 3200</td>
<td>Survey of Content Know &amp; Exper</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 3301</td>
<td>Assessment for Instruc Design</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3315</td>
<td>Impl Eff Strat Div Lrnrs</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 4310</td>
<td>Engaging Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 4693</td>
<td>Clinical Teaching</td>
<td>6</td>
</tr>
<tr>
<td>EDSE 4350</td>
<td>Inc Pract Ch&amp;Yth W/Disablts</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Electives**

Select 6 SCH

| Total Semester Credit Hours | 120 |

---

**Four-Year Degree Plan**

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

**Freshman**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>MATH Core Course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts</td>
<td></td>
<td>3</td>
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</table>

| Semester Credit Hours | 17 |

**Spring**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 1102</td>
<td>Intro to Teaching Profession</td>
<td>1</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
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</table>
General Elective 3  

Semester Credit Hours 16

**Sophomore**  

**Fall**  

<table>
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<tbody>
<tr>
<td>HIST 2321</td>
<td>Eastern Civilizations</td>
<td>3</td>
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<td>EDCI 2224</td>
<td>Cultural Foundations of Ed</td>
<td>2</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>PSYC 2314</td>
<td>Lifespan Growth&amp;Development</td>
<td>3</td>
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<tr>
<td>Life &amp; Physical Science</td>
<td>3</td>
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<tr>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
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</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
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**Spring**  

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>HIST 2322</td>
<td>Western Civilization</td>
<td>3</td>
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<tr>
<td>EDCI 3200</td>
<td>Survey of Content Know &amp; Exper</td>
<td>2</td>
</tr>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
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<tr>
<td>Life &amp; Physical Science</td>
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<td></td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
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**Junior**  

**Fall**  

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>EDCI 3301</td>
<td>Assessment for Instruc Design</td>
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<tr>
<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
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<td>HIST 3302</td>
<td>History of Texas</td>
<td>3</td>
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<td>HIST 3303</td>
<td>Historical Methods-WIN</td>
<td>3</td>
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<td>HIST - International Hist Elective</td>
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**Spring**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>EDRD 3320</td>
<td>Content Reading-WIN</td>
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<tr>
<td>HIST 4310</td>
<td>Historical Perspectives-WIN</td>
<td>3</td>
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<td>HIST - International Hist Elective</td>
<td>3</td>
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<td>HIST - U.S. History Elec</td>
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<td>HIST - U.S. History Elec</td>
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**Senior**  

**Fall**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>EDCI 3315</td>
<td>Impl Eff Inst Strat Div Lmrns</td>
<td>3</td>
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<tr>
<td>EDCI 4310</td>
<td>Engaging Learners</td>
<td>3</td>
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<tr>
<td>GEOG - Adv Geography</td>
<td>3</td>
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<tr>
<td>HIST - U.S. History Elec</td>
<td>3</td>
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<td>HIST - International Hist Elective</td>
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**Spring**  

<table>
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<tr>
<th>Course</th>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>EDCI 4693</td>
<td>Clinical Teaching</td>
<td>6</td>
</tr>
<tr>
<td>EDSE 4350</td>
<td>Inc Pract Ch&amp;Yth W/Disablt</td>
<td>3</td>
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</tbody>
</table>

**Bachelor of Arts with a Major in Spanish (BA)**  

**Degree Requirements**  

**Hours Required**  

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

**Requirements**  

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>42</td>
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</tbody>
</table>

Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation" section of this catalog.

**Math Elective**  

Select 3 SCH from any math course above the level of College Algebra

**Life & Physical Science Lab**  

Select 1 SCH compatible with a Life & Physical Science course

**Foreign Language**  

Select 6 SCH from the same foreign language

**Major**  

Select 33 SCH including:

- SPAN 3305 Spanish Academic Writing
- SPAN 3310 Intro to Literature in Spanish
- SPAN 4303 The Spanish American Novel
- SPAN 4308 Cervantes & Don Quijote
- SPAN 4312 History of Spanish Language
- SPAN 4399 Senior Seminar

15 SCH selected from any other 3000-4000 SPAN courses

**Minor**  

A minimum of 18 SCH from one discipline at least 12 of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences. Students who do not elect to have a minor curriculum may use up to 9 hours of the resulting general electives in their major curriculum.

**General Elective**  

* Students must apply for admission to the College of Education while enrolled in EDCI 3200. Students are admitted to student teaching only after passing the certification exam to teach secondary history.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.
Select 17 SCH, at least 12 of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences. Students who do not elect to have a minor may use up to 9 hours of the resulting general electives in their major curriculum.

**Total Semester Credit Hours** 120

1  6 SCH in coursework from a foreign language (may not be in English or Spanish).

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

#### Freshman

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 1301  English Composition I</td>
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<td></td>
<td>HIST 1301  The US to 1877</td>
<td>3</td>
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<td>MATH 1314  College Algebra</td>
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<td>UNIVERS 1201  Learn a Global Context I</td>
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<td>Foreign Language 1</td>
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<td><strong>Spring</strong></td>
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<tr>
<td></td>
<td>ENGL 1302  English Composition II</td>
<td>3</td>
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<tr>
<td></td>
<td>HIST 1302  The US Since 1877</td>
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<td></td>
<td>UNIVERS 1302  Signature Course</td>
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<td></td>
<td>Foreign Language 1</td>
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<td>Soc/Behavioral Science</td>
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#### Sophomore

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<tbody>
<tr>
<td></td>
<td>MATH - Math Elective 3</td>
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<td>PSCI 2305  American National Government</td>
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<td>SPAN 2350  Intro to the Hispanic World</td>
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<td>Creative Arts</td>
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<tr>
<td></td>
<td>Life &amp; Physical Science</td>
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<td></td>
<td><strong>Spring</strong></td>
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<tr>
<td></td>
<td>PSCI 2306  American State Government</td>
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<td></td>
<td>Minor/General Elective</td>
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<tr>
<td></td>
<td>Minor/General Elective</td>
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<td>General Elective 2</td>
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<td>Life &amp; Physical Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Life &amp; Physical Science Lab</td>
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<tr>
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#### Junior

<table>
<thead>
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<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SPAN 3305  Spanish Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 3310  Intro to Literature in Spanish</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Advanced General Elective 2</td>
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<td></td>
<td>Advanced Minor/General Elective</td>
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<tr>
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<td>Advanced Minor/General Elective</td>
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<td><strong>Semester Credit Hours</strong></td>
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</tr>
<tr>
<td></td>
<td><strong>Spring</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPAN 4303  The Spanish American Novel</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 4312  History of Spanish Language</td>
<td>3</td>
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<tr>
<td></td>
<td>SPAN - Advanced SPAN Elective 4</td>
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<td>Advanced General Elective</td>
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<tr>
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#### Senior

<table>
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<tr>
<td></td>
<td>SPAN 4308  Cervantes &amp; Don Quijote</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 4399  Senior Seminar</td>
<td>3</td>
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<tr>
<td></td>
<td>SPAN - Advanced SPAN Elective 4</td>
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<tr>
<td></td>
<td>Advanced General Elective</td>
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</tr>
<tr>
<td></td>
<td>Advanced Minor/General Elective</td>
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</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Spring</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPAN - Advanced SPAN Elective 4</td>
<td>3</td>
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<tr>
<td></td>
<td>SPAN - Advanced SPAN Elective</td>
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<tr>
<td></td>
<td>SPAN - Advanced SPAN Elective 4</td>
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</tr>
<tr>
<td></td>
<td>Advanced Minor/General Elective</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
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</tr>
<tr>
<td></td>
<td><strong>Total Semester Credit Hours</strong></td>
<td><strong>120</strong></td>
</tr>
</tbody>
</table>

1  6 SCH in coursework from a foreign language (may not be in English or Spanish).

2  Select 17 SCH, at least 12 of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

3  Math elective, select 3 SCH from any discipline, except the major field, outside the College of Nursing and Health Sciences.

4  Advanced Spanish electives, select 12 SCH at the 3000-4000 level. NOTE: Students who do not elect to have a minor curriculum may use up to 9 hours of their available electives in additional courses in their major curriculum.

**Actual degree plans may vary depending on the availability of courses in a given semester.**

**Some courses may require prerequisites not listed.
Bachelor of Arts with a Major in Spanish with All Level Certification (BA)

Degree Requirements

Hours Required

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
<td></td>
</tr>
</tbody>
</table>

**Math Elective**

Select 3 SCH from any math course above the level of College Algebra

**Life & Physical Science Lab**

Select 1 SCH compatible with a Life & Physical Science course

**Foreign Language**

Select 6 SCH from same foreign language.

**Major**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 2350</td>
<td>Intro to the Hispanic World</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3305</td>
<td>Spanish Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3310</td>
<td>Intro to Literature in Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4303</td>
<td>The Spanish American Novel</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4308</td>
<td>Cervantes &amp; Don Quijote</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4311</td>
<td>Probs in Teaching of Span</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4399</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3321</td>
<td>Stud in Span Lit Before 1700</td>
<td>3</td>
</tr>
<tr>
<td>or SPAN 3322</td>
<td>Studies in Span Lit After 1700</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3323</td>
<td>Stud in Span Am Lit: Conq-Mod</td>
<td>3</td>
</tr>
<tr>
<td>or SPAN 3326</td>
<td>Stud Span Am Lit: 19th &amp; 20th</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3317</td>
<td>Spanish Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>or SPAN 4312</td>
<td>History of Spanish Language</td>
<td>3</td>
</tr>
<tr>
<td>Select 9 SCH selected from any SPAN at the 3000-4000 level</td>
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<td></td>
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</table>

**Professional Education Core**

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>EDCI 1102</td>
<td>Intro to Teaching Profession</td>
<td>1</td>
</tr>
<tr>
<td>EDCI 2224</td>
<td>Cultural Foundations of Ed</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 3200</td>
<td>Survey of Content Know &amp; Exper</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 3301</td>
<td>Assessment for Instruc Design</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3315</td>
<td>Impl Eff Inst Strat Div Lmrs</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 4310</td>
<td>Engaging Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 4693</td>
<td>Clinical Teaching</td>
<td>6</td>
</tr>
<tr>
<td>EDSE 4350</td>
<td>Inc Pract Ch&amp;Yth W/Disablt</td>
<td>3</td>
</tr>
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</table>

**Support Area**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDRD 3320</td>
<td>Content Reading-WIN</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours

120

* 6 SCH in coursework in a foreign language (may not be English or Spanish).

**Four-Year Degree Plan**

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

**Freshman**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
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</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
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<tr>
<td>Foreign Language</td>
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<tr>
<td>Semester Credit Hours</td>
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</table>

**Spring**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
</tr>
<tr>
<td>EDCI 2224</td>
<td>Cultural Foundations of Ed</td>
</tr>
<tr>
<td>PSYC 2314</td>
<td>Lifespan Growth &amp; Development</td>
</tr>
<tr>
<td>SPAN 2350</td>
<td>Intro to the Hispanic World</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>MATH - Math Elective</td>
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<td>Semester Credit Hours</td>
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**Sophomore**

<table>
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<tr>
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<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
</tr>
<tr>
<td>EDCI 3200</td>
<td>Survey of Content Know &amp; Exper</td>
</tr>
<tr>
<td>SPAN 3305</td>
<td>Spanish Academic Writing</td>
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<tr>
<td>SPAN 3310</td>
<td>Intro to Literature in Spanish</td>
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<tr>
<td>Creative Arts</td>
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<tr>
<td>Semester Credit Hours</td>
<td>14</td>
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</tbody>
</table>
Junior

Fall

EDCI 3301  Assessment for Instruct Design  3
EDCI 3302  Teaching Eng Lang Learners  3
SPAN - Spanish Literature  3
SPAN - Spanish Amer Lit  3
SPAN - Spanish Linguistics  3

Semester Credit Hours  15

Spring

EDRD 3320  Content Reading-WIN  3
SPAN 4303  The Spanish American Novel  3
SPAN 4311  Probs in Teaching of Span  3
SPAN - Advanced Spanish Elective  3
SPAN - Advanced Spanish Elective  3

Semester Credit Hours  15

Senior

Fall

EDCI 3315  Impl Eff Inst Strat Div Lmrs  3
EDCI 4310  Engaging Learners  3
SPAN 4308  Cervantes & Don Quijote  3
SPAN 4399  Senior Seminar  3
SPAN - Advanced Spanish Elective  3

Semester Credit Hours  15

Spring

EDCI 4693  Clinical Teaching  6
EDSE 4350  Inc Pract Ch&Yth W/Disablts  3

Semester Credit Hours  9

Total Semester Credit Hours  120

* 6 SCH in coursework in a foreign language (may not be English or Spanish).

NOTE: Students must apply for admission to the College of Education while enrolled in EDCI 3200. Students are admitted to student teaching only after passing the certification exam to teach secondary Spanish.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

Creative Writing Minor

Minor Curriculum - Creative Writing

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
</table>

Required Courses

Select one of the following two courses:  3

ENGL 2307  Intro to Creative Writing
SPAN 2307  Intro to Creative Writing

English or Spanish Literature

Select one course from one of the following two groups:  3

**English Literature**

- ENGL 3320  The Middle Ages
- ENGL 3321  The 16th Century
- ENGL 3322  The 17th Century
- ENGL 3323  The Restoration & 18th Cent
- ENGL 3324  19th Cent Brit. Lit: Romantics
- ENGL 3325  19th Century Lit: Victorians
- ENGL 3326  British Lit from 1900 to WWII
- ENGL 3327  British Lit from WWII to Pres
- ENGL 3330  Early American Literature
- ENGL 3331  Late 19th Century American Lit
- ENGL 3332  Early 20th Century American Lit
- ENGL 3333  Late 20th Century American Lit
- ENGL 3340  Literature in English
- ENGL 3341  Great Bks: Classic. to Renais.
- ENGL 3342  Great Bks: Renais. to Pres.
- ENGL 3351  World Mythology
- ENGL 3352  World Folklore
- ENGL 3356  Multicultural Children's Lit
- ENGL 3362  Young Adult Literature
- ENGL 3366  Twentieth Century Poetry
- ENGL 3371  Film Literature
- ENGL 3380  History of Literary Thought
- ENGL 4320  Studies in English Literature
- ENGL 4321  Major British Authors
- ENGL 4322  Shakespeare's Major Plays
- ENGL 4323  Shakespeare in Performance
- ENGL 4324  Women in Shakespeare
- ENGL 4325  Studies in Shakespeare
- ENGL 4328  Studies in Rest 18th Cent Lit
- ENGL 4330  Studies in American Literature
- ENGL 4331  Major American Authors
- ENGL 4334  American Literary Renaissance
- ENGL 4335  Minority Voices
- ENGL 4336  Chicano/a Literature
- ENGL 4339  Reading Nature in American Lit
- ENGL 4340  Studies in World Literature
- ENGL 4341  Major World Authors
- ENGL 4342  The Bible as Literature
- ENGL 4347  Movement and Eras
- ENGL 4380  Philosophy in Literature
- ENGL 4385  Literature and Gender (English Literature)
- ENGL 4388  Existentialism

**Spanish Literature**

- SPAN 3321  Stud in Span Lit Before 1700
- SPAN 3322  Studies in Span Lit After 1700
- SPAN 3323  Stud in Span Am Lit: Conq-Mod
- SPAN 3326  Stud Span Am Lit: 19th & 20th
Undergraduate Information

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>SPAN 4300</td>
<td>Contemp Span Am Soc in Lit</td>
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<tr>
<td>SPAN 4301</td>
<td>18th &amp; 19th Cent Spanish Lit</td>
<td></td>
</tr>
<tr>
<td>SPAN 4302</td>
<td>20th Century Spanish Prose</td>
<td></td>
</tr>
<tr>
<td>SPAN 4303</td>
<td>The Spanish American Novel</td>
<td></td>
</tr>
<tr>
<td>SPAN 4304</td>
<td>The Generation of 1898</td>
<td></td>
</tr>
<tr>
<td>SPAN 4305</td>
<td>Mod Span Lit: Drama &amp; Poetry</td>
<td></td>
</tr>
<tr>
<td>SPAN 4306</td>
<td>Colonial Spanish American Lit</td>
<td></td>
</tr>
<tr>
<td>SPAN 4307</td>
<td>Span Am Lit: Poetry&amp;ShortStory</td>
<td></td>
</tr>
<tr>
<td>SPAN 4308</td>
<td>Cervantes &amp; Don Quijote</td>
<td></td>
</tr>
<tr>
<td>SPAN 4309</td>
<td>Mexican Literature</td>
<td></td>
</tr>
<tr>
<td>SPAN 4314</td>
<td>Spanish Literature Before 1500</td>
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</tr>
<tr>
<td>SPAN 4315</td>
<td>Spanish Lit of the Golden Age</td>
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</tr>
<tr>
<td>SPAN 4320</td>
<td>Span Am Lit: 20th Century</td>
<td></td>
</tr>
<tr>
<td>SPAN 4330</td>
<td>Special Topics Span Lit &amp; Cult</td>
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</tr>
<tr>
<td>SPAN 4335</td>
<td>Special Top in Hisp Lit &amp; Cult</td>
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<tr>
<td>SPAN 4340</td>
<td>Special Topics in Span Am Lit</td>
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</tr>
<tr>
<td>SPAN 4371</td>
<td>Hispanic Culture</td>
<td></td>
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</tbody>
</table>

Writing Workshops ¹
Select four courses from the following: 12

- ENGL 3307 Special Top Non-Fic Prose Writ
- ENGL 4307 Creative Writing
- SPAN 4398 Creative Writing

Total Semester Credit Hours 18

¹ Creative Writing Workshop courses may be repeated up to four times, with the provision that no genre may be repeated more than two times.

History Minor

Minor Curriculum - History

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3303</td>
<td>Historical Methods-WIN</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4310</td>
<td>Historical Perspectives-WIN</td>
<td>3</td>
</tr>
</tbody>
</table>

History Electives
Select twelve hours from any other 3000 or 4000- level HIST elective 12

Total Semester Credit Hours 18

Philosophy Minor

Minor Curriculum - Philosophy

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 2301</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2306</td>
<td>Introduction to Ethics</td>
<td></td>
</tr>
</tbody>
</table>

Select four courses from the following: 12

- PHIL 3302 Philosophy of Law
- PHIL 3304 Contemporary Moral Issues
- PHIL 3316 Classic. to Renais. Philosophy
- PHIL 3317 Renais. to Contemp. Philosophy
- PHIL 3321 Philosophy of World Religions
- PHIL 3341 Great Bks: Classic. to Renais
- PHIL 3342 Great Bks: Renais. to Present
- PHIL 4310 Great Thinkers
- PHIL 4334 American Literary Renaissance
- PHIL 4380 Philosophy in Literature
- PHIL 4388 Existentialism
- PHIL 4395 Special Topics in Philosophy
- ENGL 3341 Great Bks: Classic. to Renais.
- ENGL 3342 Great Bks: Renais. to Present
- ENGL 3380 History of Literary Thought
- ENGL 4334 American Literary Renaissance
- ENGL 4342 The Bible as Literature
- ENGL 4380 Philosophy in Literature
- ENGL 4384 Current Trends in Rhet Theory
- ENGL 4388 Existentialism
- PSCI 3313 Class&Med Political Phil

English Minor

Minor Curriculum - English

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2322</td>
<td>British Lit Through Neoclass</td>
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</tr>
<tr>
<td>ENGL 2323</td>
<td>British Lit: Romantics-Pres</td>
<td></td>
</tr>
<tr>
<td>ENGL 2327</td>
<td>American Lit to the Civil War</td>
<td></td>
</tr>
<tr>
<td>ENGL 2328</td>
<td>American Lit: Civil War-Pres</td>
<td></td>
</tr>
<tr>
<td>ENGL 2332</td>
<td>Survey of World Lit to 1650</td>
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</tr>
<tr>
<td>ENGL 2333</td>
<td>Survey of World Lit Since 1650</td>
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</table>

Survey of Literature ¹
Select one course from the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 4322</td>
<td>Shakespeare's Major Plays</td>
<td></td>
</tr>
<tr>
<td>ENGL 4323</td>
<td>Shakespeare in Performance</td>
<td></td>
</tr>
<tr>
<td>ENGL 4324</td>
<td>Women in Shakespeare</td>
<td></td>
</tr>
<tr>
<td>ENGL 4325</td>
<td>Studies in Shakespeare</td>
<td></td>
</tr>
</tbody>
</table>

Shakespeare
Select one course from the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3341</td>
<td>Great Bks: Classic. to Renais.</td>
<td></td>
</tr>
<tr>
<td>ENGL 3342</td>
<td>Great Bks: Renais. to Present</td>
<td></td>
</tr>
<tr>
<td>ENGL 3380</td>
<td>History of Literary Thought</td>
<td></td>
</tr>
<tr>
<td>ENGL 4334</td>
<td>American Literary Renaissance</td>
<td></td>
</tr>
<tr>
<td>ENGL 4380</td>
<td>Philosophy in Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 4384</td>
<td>Current Trends in Rhet Theory</td>
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</tr>
<tr>
<td>ENGL 4388</td>
<td>Existentialism</td>
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<tr>
<td>PSCI 3313</td>
<td>Class&amp;Med Political Phil</td>
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### Undergraduate Information

<table>
<thead>
<tr>
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<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>PSCI 3314</td>
<td>Modern Political Philosophy</td>
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<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
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</table>

**Total Semester Credit Hours** 18

### Spanish Minor

#### Minor Curriculum - Spanish

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>SPAN 3305</td>
<td>Spanish Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3310</td>
<td>Intro to Literature in Spanish</td>
<td>3</td>
</tr>
</tbody>
</table>

Select twelve hours from SPAN 3000-4000 Advanced Spanish 12

**Total Semester Credit Hours** 18

### Translation of English & Spanish Minor

#### Minor Curriculum - Translation of English & Spanish

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRAN 3350</td>
<td>Intro to Span&gt;Engl Translation</td>
<td>3</td>
</tr>
<tr>
<td>TRAN 3351</td>
<td>Intro to Engl&gt;Span Translation</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 12 SCH from the following 12

- TRAN 4360 Intermediate Span>Engl Trans
- TRAN 4361 Intermediate Engl>Span Trans
- TRAN 4375 Special Topics in Translation
- TRAN 4380 Fundamentals of Interpreting

Select 3 SCH from any 3000-4000 level English not previously taken

Select 3 SCH from any 3000-4000 level Spanish not previously taken

**Total Semester Credit Hours** 18

### Writing and Rhetoric Minor

#### Minor Curriculum - Writing and Rhetoric

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2307</td>
<td>Intro to Creative Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Select Six courses from the following 18

- ENGL 2311 Technical Communication-WIN
- ENGL 3301 Advanced Composition-WIN
- ENGL 3302 Writing in the Disciplines-WIN
- ENGL 3307 Special Top Non-Fic Prose Writ
- ENGL 4301 The Teaching of Composition
- ENGL 4306 Studies in Rhetoric
- ENGL 4313 Advanced English Grammar

**Total Hours** 18

### Mathematics and Physics

#### Degrees

**Majors**

- Bachelor of Arts with a Double Major (BA) (p. 66)
- Bachelor of Arts with a Major in Mathematics (BA) (p. 157)
- Bachelor of Arts with a Major in Mathematics with Grades 7-12 Certification (BA) (p. 158)
- Bachelor of Science with a Major in Mathematics (BS) (p. 160)

**Minors**

- Applied Physics (p. 161)
- Mathematics (p. 161)
Courses

ASTR 1110 Principles of Astronomy Lab
Laboratory course to accompany ASTR 1310. Practical exercises reinforce ASTR 1310 lecture material. Topics include astronomical measurements, Kepler's laws of planetary motion, Newton's law of universal gravitation, stellar spectra, parallax, and the Hertzsprung-Russell diagram. Must be taken concurrently with ASTR 1310. TCCN: ASTR 1103

ASTR 1111 Planetary Astronomy Lab
Laboratory course to accompany ASTR 1311. Practical exercises reinforce ASTR 1311 lecture material. Topics will include unaided-eye observation, telescopic observation, telescope manipulation and experiments/exercises. Must be taken concurrently with ASTR 1311. Carries no credit towards a major or minor in Physics. Laboratory fee applicable.

ASTR 1112 Stellar Astronomy Lab
Laboratory course to accompany ASTR 1312. Practical exercises reinforce ASTR 1312 lecture material. Topics will include unaided-eye observation, telescopic observation, telescope manipulation and experiments/exercises. Must be taken concurrently with ASTR 1312. Carries no credit towards a major or minor in Physics. Laboratory fee applicable.

ASTR 1310 Principles of Astronomy
A one semester introductory survey course of astronomy. Topics include discovery in solar system of planets and moons, spectra, our sun and other stars, black holes and neutron stars, star clusters, nebula, galaxies and the structure of the universe. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with ASTR 1110. TCCN: ASTR 1303

ASTR 1311 Planetary Astronomy
An introductory survey of the solar system to include astronomical history and instrumentation, the sun, planets and their moons, comets, asteroids and meteoroids and meteorites. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with ASTR 1111. Carries no credit toward a major or minor in Physics.

ASTR 1312 Stellar Astronomy
An introductory survey of stellar properties and life cycles, H-R Diagrams, as well as galaxies and Hubble's Law. Instrumentation techniques used to collect astronomical data is discussed in addition to topics from cosmology including General Relativity theory and the Big Bank theory. May be taken independently from ASTR 1311. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with ASTR 1112. Carries no credit towards a major or minor in Physics.

MATH 1314 College Algebra
The fundamentals of algebra; polynomials and graphs; conic sections; systems of linear equations, matrices; sequences and series; mathematical induction and the binomial theorem. Prerequisites: Completion of Texas Success Initiative (TSI) mathematics requirements, appropriate level developmental course sequence, an minimum ACT Mathematics score of 19 with an ACT Composite score of 23 or above, a minimum SAT Mathematics score of 500 with a SAT Total score of 1,070 or above, or a Redesigned SAT Mathematics score of 530 or above. TCCN: MATH 1314

MATH 1316 Plane Trigonometry
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. Students completing both MATH 1314 and MATH 1316 may satisfy MATH 2412 requirement at TAMU. Prerequisites: ACT Mathematics score of 27 or above, an SAT Mathematics score of 630 or above, a Redesigned SAT Mathematics score of 650 or above, or MATH 1314. TCCN: MATH 1316

MATH 1324 Business Math I
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; and linear programming. Prerequisites: Completion of Texas Success Initiative (TSI) Mathematics requirements or appropriate level developmental course sequence. TCCN: MATH 1324

MATH 1325 Business Math II
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. This course is not a substitute for MATH 2413. Prerequisites: MATH 1324. TCCN: MATH 1325

MATH 1332 Mathematics for Liberal Arts I
This course is 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. Prerequisites: Completion of Texas Success Initiative (TSI) Mathematics requirements or appropriate level developmental course sequence. TCCN: MATH 1332
MATH 1342 Introductory Statistics
Topics include 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.
Prerequisites: Completion of Texas Success Initiative (TSI) Mathematics requirements or appropriate level developmental course sequence.
TCCN: MATH 1342

MATH 1348 Analytic Geometry
Lines, circles, and other conic sections; transformation of coordinates; polar coordinates; and parametric equations.
Prerequisites: MATH 1316 or MATH 2412.

MATH 1350 Fundamentals of Mathematics I
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. This course is primarily intended for students enrolled in the degree programs with various levels of certification.
Prerequisites: MATH 1314, MATH 1324, MATH 1332, or MATH 1342.
TCCN: MATH 1350

MATH 1351 Fundamentals of Mathematics II
Probability, statistics, and geometry. This course cannot be used to fulfill Core Curriculum requirement.
Prerequisites: MATH 1350.
TCCN: MATH 1351

MATH 2330 Elementary Geometry
Introduction to classical Euclidean Geometry. Postulates, congruency, similarity and classical construction. Introduction to solid geometry and transformations in the plane. (Formerly MATH 3320)

MATH 2412 Pre-Calculus
In-depth combined study of algebra, trigonometry, and other topics for calculus readiness. Topics include: Analytic geometry, complex numbers, and systems of algebraic equations; algebraic, exponential, logarithmic and trigonometric functions and applications; sequences and applications. Students will receive credits for at most two courses from MATH 1314, 1316 and 2412.
Prerequisites: ACT Mathematics score of 25 or above, an SAT Mathematics score of 600 or above, a Redesigned SAT Mathematics score of 620 or above, MATH 1314, or successful completion of Pre-Calculus Placement Exam.
TCCN: MATH 2412

MATH 2413 Calculus I
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. Course credits may be received for an AP score of 3 or more for Mathematics Calculus AB.
Prerequisites: ACT Mathematics score of 29 or above, an SAT Mathematics score of 660 or above, a Redesigned SAT Mathematics score of 690 or above, MATH 1316, or MATH 2412.
TCCN: MATH 2413

MATH 2414 Calculus II
Techniques and applications of integration of differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals. Course credits may be received for an AP score of 3 or more for Mathematics Calculus BC.
Prerequisites: MATH 2413.
TCCN: MATH 2414

MATH 2415 Calculus III
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.
Prerequisites: MATH 2414.
TCCN: MATH 2415

MATH 3195 Seminar
Seminar on various topics in mathematics. May be repeated for credit with departmental approval.

MATH 3295 Seminar
Seminar on various topics in mathematics. May be repeated for credit with departmental approval.

MATH 3310 Introduction to Linear Algebra
Introduction to linear transformations and matrices; vector spaces, vector operations.
Prerequisites: MATH 2415.

MATH 3318 Advanced Linear Algebra
A continuation of MATH 3310. Focuses on more abstract aspects as well as computational aspects. Topics include inner product spaces, spectral theorems, diagonalization, Hermitian matrices, quadratic forms, numerical linear and Jordan canonical.
Prerequisites: MATH 3310.

MATH 3320 Modern Geometry
Modern development of Euclidean geometry (Hilbert axioms) with historical and philosophical context; independence of the parallel postulate; models of hyperbolic non-Euclidean geometry, as well as transformational geometry, with techniques from linear algebra. Intended primarily for students seeking secondary certification.
Prerequisites: MATH 3310.

MATH 3325 Geometry
Selected topics from the foundations of Euclidean and non-Euclidean geometries. Includes the study of spherical and hyperbolic geometries, as well as transformational geometry, with techniques from linear algebra. Intended primarily for students seeking secondary certification.
Prerequisites: MATH 3310.

MATH 3328 Advanced Geometry
Study of Neutral, Euclidean and Hyperbolic geometries from an axiomatic perspective.
Prerequisites: MATH 3365.

MATH 3330 Ordinary Diff Equations
Prerequisites: MATH 2414.
MATH 3360 Statistical Analysis
Fundamentals of probability, distribution theory, random variables, law of large numbers, central limit theorems, statistical inequalities.
Prerequisites: MATH 2414.

MATH 3365 Discrete Mathematics
This course is a study of elements of discrete mathematics. Topics covered: logic, counting techniques; mathematical induction; the binomial theorem; number theory; sets, relations and functions.
Prerequisites: MATH 2413.

MATH 3371 Communications in Mathematics
This course is designated to enhance students’ communication skills in mathematics. Emphasis will be placed in writing proofs. Topics include set theory, logic and properties of numbers at an elementary level. Substantial writing in mathematics using LaTeX is required.
Prerequisites: ENGL 1302 and MATH 3365.

MATH 3390 Principles of Math for Elem Ed
An in-depth study of the mathematical principles and concepts underlying the traditionally computational techniques for the teaching of mathematics at early childhood and elementary school levels. The course content includes problem solving; arithmetic, algebra, geometry, probability, logic, counting, numeration and number systems (including natural, integer, rational, and real number systems), and their historical development; content based teaching; integrating various areas of mathematics; and examining connections of college-level mathematics course contents with the mathematics content of and its effective teaching at the early childhood and elementary school levels. In addition, TExES Mathematics Standards VI-X covering Mathematical Processes, Mathematical Perspectives, Mathematical Learning and Instruction, Mathematical Assessment and Professional Development will be emphasized. Students must earn a "C" or better to successfully complete the course. The course may not be counted toward a major or minor in Mathematics or for certification in secondary mathematics. Open only to early childhood/elementary education majors. It is strongly recommended to take this course concurrently with Block II.
Prerequisites: Completion of Block I and a grade of at least "C" in MATH 1350 and 1351.

MATH 3395 Seminar
Seminar on various topics in mathematics. May be repeated for credit with departmental approval.

MATH 4152 Internship in Mathematics
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a mathematical science setting. Students will apply mathematical knowledge in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspectives.
Prerequisites: Permission of the instructor and advisor.

MATH 4252 Internship in Mathematics
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a mathematical science setting. Students will apply mathematical knowledge in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspectives.
Prerequisites: Permission of the instructor and advisor.

MATH 4305 Number Theory
Divisibility, congruence, power residues, quadratic reciprocity, Diophantine equations, Euler's function, Fermat's theorem, primitive roots, Legendre and Jacobi symbols.
Prerequisites: MATH 3365 and MATH 3310.

MATH 4310 Abstract Algebra I
Introduction to abstract algebra. Topics include Introduction to Ring theory: arithmetic in integers, modular arithmetic, fields, arithmetic in the Ring of polynomials. Unique factorization in integers and polynomials. Introduction to Group theory: definition and examples, subgroups, quotient groups, symmetry groups and permutation groups.
Prerequisites: MATH 3365.

MATH 4315 Abstract Algebra II
Continuation of MATH 4310. Topics in group theory: group actions, Sylow theorems, fundamental theorem of Abelian groups, and finite simple groups. Topics in Ring theory: ideals and quotient rings, Euclidean domain, principal ideal domain and unique factorization domain. Topics in Field theory: vector spaces, field extensions, finite field, and Galois Theory.
Prerequisites: MATH 4310.

MATH 4330 Numerical Linear Algebra
Numerical methods for problems of linear algebra, including the solution of large systems, eigenvalues and eigenvectors.
Prerequisites: MATH 3310

MATH 4335 Advanced Calculus
A course in real analysis. It will include topology, continuity, differentiation, integration, sequences, series and power series.
Prerequisites: MATH 2414 and MATH 3365.

MATH 4340 Numerical Analysis I
Prerequisites: MATH 3330 and MATH 3310.

MATH 4341 Numerical Analysis II
Finite difference methods and finite element methods for elliptic, parabolic and hyperbolic equations.
Prerequisites: MATH 4340 and MATH 4350.

MATH 4345 Complex Variables
This is a course in complex variables which will include analytic functions, power series, the theory of residues and conformal mappings.
Prerequisites: MATH 4335 or permission of instructor.

MATH 4350 Partial Differential Equations
Theory of partial differential equations and boundary value problems with applications to the physical sciences and engineering. Detailed analysis of the wave equation, the heat equation, and the potential equation. Numerical methods to solving partial differential equations will also be discussed.
Prerequisites: MATH 3330.
MATH 4352 Internship in Mathematics
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a mathematical science setting. Students will apply mathematical knowledge in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspectives.
Prerequisites: Permission of the instructor and advisor.

MATH 4355 Selected Topics in Math
Topics selected from the fields of pure or applied mathematics. May be repeated when topic changes.
Prerequisites: Senior standing and permission of instructor.

MATH 4360 Introduction to Topology
Basic concepts of point-set topology including connectedness, compactness, etc. and metric spaces.
Prerequisites: MATH 3365 and 4335.

MATH 4365 Geometry of Curves & Surfaces
This course will present geometry of curves and surfaces in three dimensional Euclidean space. Topics include 1) From Curve Theory: Parametrized Curves, Arc Length, Frenet-Serret Frame, Singularities, Theory of Contact, Curvature, Torsion, Intrinsic Equation of Curves, Global Properties of Curves; 2) From Surface Theory: Parametrized Surfaces, Tangent Plane and Normal Line, First and Second Fundamental Forms, Curvature of Surfaces.
Prerequisites: MATH 2415, 3310.

MATH 4380 Undergraduate Research in Math
Students work on a theoretical or applied research project. The plan of study is negotiated by the faculty member and the student. Course may be repeated under different topic for credit. Evaluation of performance in this course is on a Pass/Fail basis.
Prerequisites: Consent of the instructor and the department.

MATH 4385 History of Mathematics
Topics from arithmetic and computation, algebra, geometry, trigonometry, calculus, number theory, linear algebra, etc. from ancient recorded history to modern times intertwined with historical perspectives, biographies of several mathematicians from different cultures and times, their contributions, and that of their cultures, to mathematics and society.
Prerequisites: Nine semester hours of advanced mathematics.

MATH 4390 Math in Middle & High School
Explore contemporary issues, connections among various mathematics topics, and specialized pedagogical content knowledge for teaching mathematics at the secondary school level. Content topics may include: using sequences and series to solve problems in the mathematics of finance, relate geometry and algebra by representing transformations as matrices, apply probability concepts to make inferences in statistics, and essential understandings of functions in both higher-level mathematics and in real-world contexts, among others. Concurrent enrollment in Block II is strongly recommended.
Prerequisites: Completion of Block I and at least twelve upper-level mathematics SCH.

MATH 4395 Senior Mathematics Project
A study project under the direction of a member of the mathematics faculty. Required will be a written report, oral presentation and approval by both the advisor and one additional mathematics faculty member.
Prerequisites: Senior standing and permission of instructor.

MATH 4452 Internship in Mathematics
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a mathematical science setting. Students will apply mathematical knowledge in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspectives.
Prerequisites: Permission of the instructor and advisor.

PHYS 1101 General Physics I Lab
Laboratory-based course to accompany PHYS 1301. Laboratory experiments reinforce PHYS 1301 principle of physics, and place importance on scientific communication and collaboration, as well as measurement methods, data collection, basic error analysis, and preparation of laboratory report. Carries no credit towards a major or minor in physics.
Corequisites: PHYS 1301.
TCRN: PHYS 1101

PHYS 1102 General Physics II Lab
Laboratory-based course to accompany PHYS 1302. Laboratory experiments reinforce PHYS 1302 principle of physics, and place importance on scientific communication & collaboration, as well as measurement methods, data collection, basic error analysis, and preparation of laboratory report. Carries no credit towards a major or minor in physics. Must be taken concurrently with PHYS 1302.
Prerequisites: PHYS 1301 and PHYS 1101.
TCRN: PHYS 1102

PHYS 1170 Survey of Physical Science Lab
Laboratory course to accompany PHYS 1370. Laboratory exercises reinforce PHYS 1370 lecture material and place importance on scientific communication and collaboration as well as measurement methods. Some mention is made of uncertainty and basic error analysis. Must be taken concurrently with PHYS 1370. Carries no credit towards a major or minor in physics.
Prerequisites: PHYS 1370.
TCRN: PHYS 1115

PHYS 1301 General Physics I
Fundamental principles of physics, is the first of a two semester sequence in General Physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics. Topics include: kinematics, dynamics, gravitation, energy; momentum, simple harmonic motion, fluid and heat; with emphasis on problem solving. Carries no credit toward a major or minor in physics. Must be taken concurrently with PHYS 1101.
Prerequisites: MATH 1316 or MATH 2412.

PHYS 1302 General Physics II
Fundamental principles of physics, is the continuation of PHYS 1301, using algebra and trigonometry; the principles and applications of electricity and magnetism. Topics include: electrostatics, circuits, electromagnetism, waves, optics, and modern physics; with emphasis on problem solving. Carries no credit toward a major or minor in physics. Must be taken concurrently with PHYS 1102. Prerequisites: PHYS 1301 and PHYS 1101.
Prerequisites: PHYS 1301 and PHYS 1101.
TCRN: PHYS 1302
PHYS 1370 Survey of Physical Science
An introductory survey of physical science. Topics include physics (motion, forces, waves and thermodynamics), chemistry (periodic table, reactions), earth science (geology, weather, biosphere and environment) and astronomy (astronomical history, planetary astronomy, stellar astronomy and cosmology). Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with PHYS 1170. Carries no credit towards a major or minor in physics.
TCCN: PHYS 1315

PHYS 2125 University Physics I Lab
Laboratory course to accompany PHYS 2325. Laboratory experiments reinforce theoretical principles from PHYS 2325 and place importance on scientific communication and collaboration, as well as measurement methods, data collection, uncertainty and error analysis, and preparation of laboratory reports. Must be taken concurrently with PHYS 2325.
TCCN: PHYS 2125

PHYS 2126 University Physics II Lab
Laboratory course to accompany PHYS 2326. Laboratory experiments reinforce theoretical principles from PHYS 2326 and place importance on scientific communication and collaboration, as well as measurement methods, data collection, uncertainty and error analysis, and preparation of laboratory reports. Must be taken concurrently with PHYS 2326.
TCCN: PHYS 2126

PHYS 2325 University Physics I
A calculus-based treatment of the fundamental principles and applications of classical mechanics and thermodynamics for science and engineering majors. This course is the first of a two-semester sequence in University Physics. Topics include one-, two-, and three-dimensional motion, forces and Newton's laws, momentum conservation, energy conservation, gravitation, rotational dynamics, angular momentum, fluid mechanics, waves, simple harmonic motion, and thermodynamics. Must be taken concurrently with PHYS 2326.
Prerequisites: MATH 2413 or equivalent.
TCCN: PHYS 2325

PHYS 2326 University Physics II
A calculus-based treatment of the fundamental principles and applications of electricity and magnetism for science and engineering majors. This course is a continuation of PHYS 2325. Topics include electrostatics, circuits, electromagnetism, electromagnetic waves, optics, and modern physics. Must be taken concurrently with PHYS 2326.
Prerequisites: MATH 2414 or equivalent (or concurrent enrollment therein) and PHYS 2325 and PHYS 2326.
TCCN: PHYS 2326

PHYS 3305 Optics and Wave Theory
A detailed study of optics. Topics include thin and thick lenses, the lensmaker's equation, apertures, optical machines, interference, Fresnel and Fraunhofer diffraction and polarization, the Cornu Spiral. Electromagnetic waves, geometric optics, physical optics, optical instruments, lasers and holography.
Prerequisites: PHYS 2326/PHYS 2126, MATH 2415.

PHYS 3310 Modern Physics
An introduction to the foundations of modern physics. Topics include special and general relativity, kinetic theory of matter, electromagnetic quantization, light and energy, wave-matter duality of light, the Schrödinger Equation, nuclear physics and elementary particle theory.
Prerequisites: PHYS 2326/PHYS 2126;
Corequisites: MATH 2415.

PHYS 3315 Classical Mechanics
Topics include kinematics of particles and particle systems in one to three dimensions, rigid body rotation, gravitation, Lagrangian and Hamiltonian dynamics, periodic motion, and small oscillations.
Prerequisites: PHYS 2326/PHYS 2126 and MATH 3330.

PHYS 3320 Electromagnetic Field Theory
A mathematical treatment of the fundamentals of classical electromagnetic theory. Topics include electrodynamics, vector calculus, theory of dielectrics, magnetostatic fields, electromagnetic induction, magnetic fields of currents, and Maxwell's equations.
Prerequisites: PHYS 2326/2126 and MATH 3330.

PHYS 3325 Thermodynamics
A mathematical treatment of the fundamentals of thermal physics. Topics include the concepts of temperature, equation of state, first and second laws of thermodynamics, entropy, change of phase, and thermodynamic functions.
Prerequisites: PHYS 2326/2126 and MATH 2415.

PHYS 4199 Special Topics in Physics
Selected topics in physics are covered, depending on student interest. Credit will be given more than once if the topic varies.
Prerequisites: Permission of instructor.

PHYS 4299 Special Topics in Physics
Selected topics in physics are covered, depending on student interest. Credit will be given more than once if the topic varies.
Prerequisites: Permission of instructor.

PHYS 4305 Quantum Mechanics
A mathematical treatment of quantized physical phenomena. Topics include the wave theory of matter, the principles of superposition, probability, expectation values, coordinate representation, momentum representation, indeterminacy. Hermitean operators, angular momentum, and spin. Quantum solutions for simple barriers, potential wells, harmonic oscillator, and the hydrogen atom are presented.
Prerequisites: PHYS 3310 and MATH 3330.

PHYS 4310 Advanced Modern Physics
Continuation of PHYS 3310. Topics include atomic, molecular, nuclear, statistical, solid state, laser and elementary particle physics.
Prerequisites: PHYS 3310 and MATH 3330.

PHYS 4315 Mathematical Methods of Physic
A course presenting mathematical techniques used in physics and engineering. The course will survey, at a brief introductory level and from a physics perspective, numerous mathematical techniques from areas such as infinite series, integral transformation, applications of complex variables, matrices and tensors, special functions, partial differential equations, Green's functions, perturbation theory, integral equations, calculus of variations, and groups and group representations.
Prerequisites: PHYS 2326/2126 and MATH 3330.
PHYS 4399 Special Topics in Physics
Selected topics in physics are covered, depending on student interest. Credit will be given more than once if the topic varies. Prerequisites: Permission of instructor.

Bachelor of Arts with a Major in Mathematics (BA)

Degree Requirements
Hours Required
A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
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<tr>
<td>Life &amp; Physical Science Lab</td>
<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Foreign Language</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 6 SCH in course work (not credit by exam) above the university’s foreign language graduation requirement. Thus, students who meet the university’s foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
<td>6</td>
</tr>
<tr>
<td>Computer Science</td>
<td>COSC 1136 Funds of Programming Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>COSC 1336 Fundamentals of Programming</td>
<td>3</td>
</tr>
<tr>
<td>Major</td>
<td>Select 1 SCH excess in the core</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 2414 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MATH 2415 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MATH 3310 Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
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<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 3360 Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 3365 Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 3371 Communications in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 4310 Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 4335 Advanced Calculus</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 4345 Complex Variables</td>
<td>3</td>
</tr>
<tr>
<td>Minor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences

Electives
Select 12 SCH, at the 3000-4000 level, selected from arts, economics, humanities, natural sciences and social sciences. Courses must be outside the major and minor unless seeking a double major

General Electives
Select 4 SCH

Total Semester Credit Hours 120

* BA/MA OPTION: See Combined BA/MA Programs in this section

Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online (p. 36).

Freshman

Fall
ENGL 1301 English Composition I 3
HIST 1301 The US to 1877 3
MATH 2413 Calculus I 4
UNIV 1201 Learn a Global Context I 2
Life & Physical Science 3
Life & Physical Science Lab 1

Semester Credit Hours 16

Spring
ENGL 1302 English Composition II 3
HIST 1302 The US Since 1877 3
MATH 2414 Calculus II 4
COSC 1336 Fundamentals of Programming 3
COSC 1136 Funds of Programming Lab 1
UNIV 1302 Signature Course 3

Semester Credit Hours 17

Sophomore

Fall
PSCI 2305 American National Government 3
MATH 2415 Calculus III 4
MATH 3365 Discrete Mathematics 3
Language, Philosophy & Culture 3
Life & Physical Science 3
Life & Physical Science Lab 1

Semester Credit Hours 17

Texas A&M International University 2021-2022 Catalog
Bachelor of Arts with a Major in Mathematics with Grades 7-12 Certification (BA)

Degree Requirements

Hours Required

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

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<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
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</tr>
<tr>
<td>Foreign Language</td>
<td>Select 6 SCH in course work (not credit by exam) above the university’s foreign language graduation requirement. Thus, students who meet the university’s foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMIU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
<td>6</td>
</tr>
<tr>
<td>Major</td>
<td>Select 1 SCH excess of Mathematics taken as part of the core</td>
<td>1</td>
</tr>
<tr>
<td>MATH 2414</td>
<td>Calculus II</td>
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</tr>
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<td>Calculus III</td>
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<tr>
<td>MATH 3310</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3325</td>
<td>Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3330</td>
<td>Ordinary Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3360</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3365</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4310</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4335</td>
<td>Advanced Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4390</td>
<td>Math in Middle &amp; High School</td>
<td>3</td>
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<tr>
<td>Professional Education Core</td>
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<tr>
<td>EDCI 1102</td>
<td>Intro to Teaching Profession</td>
<td>1</td>
</tr>
<tr>
<td>EDCI 2224</td>
<td>Cultural Foundations of Ed</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 3200</td>
<td>Survey of Content Know &amp; Exper</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 3301</td>
<td>Assessment for Instruc Design</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3315</td>
<td>Impl Eff Inst Strat Div Lrnrs</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 4310</td>
<td>Engaging Learners</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 120
EDCI 4693  Clinical Teaching  6
EDSE 4350  Inc Pract Ch&Yth W/Disablts  3

Additional Requirements
EDRD 3320  Content Reading-WIN  3
MATH 3371  Communications in Mathematics  3

Computer Science
COSC 1136  Funds of Programming Lab  1
COSC 1336  Fundamentals of Programming  3

General Electives
Select 2 SCH at the 3000-4000 level  2
Total Semester Credit Hours  120

* BA/MA OPTION: See Combined BA/MA Programs in this section

Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online (p. 36).

Freshman
Fall
ENGL 1301  English Composition I  3
HIST 1301  The US to 1877  3
MATH 2413  Calculus I  4
PSYC 2314  Lifespan Growth&Development  3
UNIV 1201  Learn a Global Context I  2
Creative Arts  3
Semester Credit Hours  18

Spring
ENGL 1302  English Composition II  3
HIST 1302  The US Since 1877  3
MATH 2414  Calculus II  4
EDCI 1102  Intro to Teaching Profession  1
UNIV 1302  Signature Course  3
Semester Credit Hours  14

Sophomore
Fall
PSCI 2305  American National Government  3
EDCI 2224  Cultural Foundations of Ed  2
MATH 2415  Calculus III  4
MATH 3365  Discrete Mathematics  3
Life & Physical Science  3
Life & Physical Science Lab  1
Language, Philosophy, & Culture  3
Semester Credit Hours  19

Spring
PSCI 2306  American State Government  3
MATH 3310  Introduction to Linear Algebra  3
COSC 1336  Fundamentals of Programming  3
COSC 1136  Funds of Programming Lab  1
EDCI 3200  Survey of Content Know & Exper  2
Life & Physical Science  3
Life & Physical Science Lab  1

Senior
Fall
MATH 3371  Communications in Mathematics  3
MATH 3360  Statistical Analysis  3
MATH 3330  Ordinary Diff Equations  3
EDCI 3301  Assessment for Instruc Design  3
EDCI 3302  Teaching Eng Lang Learners  3
Foreign Language/Study Abroad  3
Semester Credit Hours  15

Spring
EDRD 3320  Content Reading-WIN  3
MATH 3325  Geometry  3
MATH 4310  Abstract Algebra I  3
MATH 4335  Advanced Calculus  3
Foreign Language/Study Abroad  3
Semester Credit Hours  11

Total Semester Credit Hours  120

* Students must apply for admission to the College of Education while enrolled in EDCI 3224.
Students are admitted to student teaching only after passing the certification exam to teach secondary mathematics.

Actual degree plans may vary depending on availability of courses in a given semester.
Some courses may require prerequisites not listed.
**Bachelor of Science with a Major in Mathematics (BS)**

**Degree Requirements**

**Hours Required**

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

## Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university’s foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMIU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Major</td>
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<tr>
<td></td>
<td>Select 1 SCH excess in the core</td>
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</tr>
<tr>
<td>COSC 1136</td>
<td>Funds of Programming Lab</td>
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</tr>
<tr>
<td>COSC 1336</td>
<td>Fundamentals of Programming</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3371</td>
<td>Communications in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2414</td>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>MATH 2415</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3310</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3330</td>
<td>Ordinary Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3360</td>
<td>Statistical Analysis</td>
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</tr>
<tr>
<td>MATH 3365</td>
<td>Discrete Mathematics</td>
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</tr>
<tr>
<td>MATH 4310</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4335</td>
<td>Advanced Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4345</td>
<td>Complex Variables</td>
<td>3</td>
</tr>
<tr>
<td>Math Electives</td>
<td>Select 15 SCH from any 4000 level MATH courses, excluding MATH 4390</td>
<td>15</td>
</tr>
<tr>
<td>Minor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electives

Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

<table>
<thead>
<tr>
<th>Electives</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1 SCH</td>
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<tr>
<td>Total Semester Credit Hours</td>
<td>120</td>
</tr>
</tbody>
</table>

* BA/MA OPTION: See Combined BA/MA Programs in this section

## Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online (p. 36).

### Freshman

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2413</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
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<td>1</td>
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</tbody>
</table>

Total Semester Credit Hours 16

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2414</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1336</td>
<td>Fundamentals of Programming</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1136</td>
<td>Funds of Programming Lab</td>
<td>1</td>
</tr>
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</table>

Total Semester Credit Hours 17

### Sophomore

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 2305</td>
<td>American State Government</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2415</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3365</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td></td>
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</table>

Total Semester Credit Hours 14

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3310</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3360</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts</td>
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</tbody>
</table>
Language, Philosophy & Culture 3
Semester Credit Hours 15

Junior
Fall
MATH 3330 Ordinary Diff Equations 3
MATH 3371 Communications in Mathematics 3
MATH 4335 Advanced Calculus 3
Foreign Lang/Study Abroad 3
Social & Behavioral Science 3
Semester Credit Hours 15

Spring
MATH 4310 Abstract Algebra I 3
MATH - Advanced MATH Elective 3
Foreign Lang/Study Abroad 3
Minor/General Elective 3
Minor/General Elective 3
Semester Credit Hours 15

Senior
Fall
MATH - Advanced Math Elective 3
MATH - Advanced Math Elective 3
Advanced Minor/General Elective 3
Advanced Minor/General Elective 3
Semester Credit Hours 15

Spring
MATH 3195 Seminar (Free Elective) 1
MATH 4345 Complex Variables 3
MATH - Advanced Math Elective 3
Advanced Minor/General Elective 3
Advanced Minor/General Elective 3
Semester Credit Hours 13

Total Semester Credit Hours 120

Applied Physics Minor
Minor Curriculum - Applied Physics

Required lower-division courses
ENGR 2305 Principles of Elec Engineering 4
& ENGR 2105 and Principles of Elec Engr Lab 4
PHYS 2326 University Physics II 4
& PHYS 2126 and University Physics II Lab
Required upper-division courses

MATH 3330 Ordinary Diff Equations 3
PHYS 3310 Modern Physics 3
PHYS 4315 Mathematical Methods of Physics 3
Select one of the following: 3
PHYS 3305 Optics and Wave Theory
PHYS 3315 Classical Mechanics
PHYS 3320 Electromagnetic Field Theory
PHYS 3325 Thermodynamics
PHYS 4305 Quantum Mechanics
PHYS 4310 Advanced Modern Physics

Total Semester Credit Hours 20

1 May be used to satisfy the eight SCH of science in the core curriculum.

Mathematics Minor
Minor Curriculum - Mathematics

Required Lower-Division Courses
MATH 2413 Calculus I 4
MATH 2414 Calculus II 4
MATH 2415 Calculus III 4
Required Upper-Division Courses
Select twelve hours from the following: 12
MATH 3310 Introduction to Linear Algebra
MATH 3330 Ordinary Diff Equations
MATH 3360 Statistical Analysis
MATH 3365 Discrete Mathematics
MATH 4305 Number Theory
MATH 4310 Abstract Algebra I
MATH 4330 Numerical Linear Algebra
MATH 4335 Advanced Calculus
MATH 4340 Numerical Analysis I
MATH 4345 Complex Variables
MATH 4355 Selected Topics in Math
MATH 4360 Introduction to Topology
MATH 4395 Senior Mathematics Project

Total Semester Credit Hours 24

1 May be used to satisfy the mathematics in the core curriculum; in which case the semester credit hours for the minor is 20 SCH.

Military Science
Degrees
Minor
- Military Science (p. 163)
Courses

**MS 1303 Intro to Army & Crit Thinking**
This course introduces the student to the personal challenges and competencies that are critical for effective leadership and communication. The student will learn how the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.
Corequisites: MS 1003.

**MS 1304 Intro to the Profess of Arms**
This course introduces the student to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. Through this course, the student will learn how Army ethics and values shape views and the specific ways that these ethics are inculcated into the Army culture. Corequisite MS 1004.

**MS 2303 Foundations of Leadership**
This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. The focus continues to build on developing knowledge of the leadership attributes and core leader competencies through the understanding of Army rank, structure, and duties as well as broadening knowledge in land navigation and squad tactics. Case studies will provide a tangible context for learning the Soldier’s Creed and Warrior Ethos. Corequisite MS 2003.

**MS 2304 Found of Tactical Leadership**
This course examines the challenges of leading teams in the complex operational environment, and it highlights the dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. Students develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. Case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Corequisite; MS 2004.

**MS 3303 Adaptive Team Leadership**
During this course the student will develop confidence, awareness, initiative, accountability and the ability to analyze and solve problems while displaying the characteristics of an Officer for personal development and leadership within the institutional environment. The student will continue to develop as a leader that can improvise and adapt knowledge and skills to solve problems when facing altered situations.
Corequisite; MS 3003.
Prerequisites: MS 1303/1003, MS 1304/1004, MS 2303/2003, MS 2304/2004; or Cadet Initial Entry Training; or Basic Military Training through ARMY/Army Reserve/National Guard.

**MS 3303 Cadet Leader’s Course Intern**
The Cadet Leader’s Course (CLC) is ROTC’s capstone training and assessment exercise, required for all cadets who hope to day become Army lieutenants. Each summer, rising seniors attend CLC at Fort Knox, Kentucky. The 29-day course incorporates a wide range of subjects designed to develop and evaluate leadership ability such as: land navigation, water confidence, basic rifle marksmanship, and situational tactical exercises (STX). The challenges are rigorous and demanding, both mentally and physically. This course tests intelligence, common sense, ingenuity and stamina. These challenges provide a new perspective on an individual’s ability to perform exacting tasks and to make difficult decisions in demanding situations.
Prerequisites: MS 3303 and MS 3304.

**MS 4303 Mission Cmnd & the Army Prof**
This course explores the dynamics of leading in the complex situations of current military operations. Students will examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Students also explore aspects of interacting with non-government organizations, civilians on the battlefield, the decision making processes and host nation support. The course places significant emphasis on preparing students for future Army training following graduation and commissioning, and the first unit of assignment. It uses mission command case studies and scenarios to prepare students to face the complex ethical demands of serving as a commissioned officer in the United States Army. Students will explore military professional ethics, organizational ethics and ethical decision making processes, gain practical experience in battalion leadership roles and training management, begin leadership self-development, including civil military and media relation, and prepare for the transition to a career as an Army Officer.
Corequisites: MS 4003.
MS 4304 Mssn Cmnd & the Cont Grade Off
This course explores the dynamics of leading in complex situations during Unified Land Operations I, II, and III. Students will examine the Art of Command and how to properly communicate with NCOs and Soldiers during Taking Charge 1, 2 and 3, and Developing Others (counseling). During Cultural Awareness and Cultural Property Protection (CPP), students will discuss numerous situations of how ethical decisions impact personnel and the unit mission. Through the understanding of roles and responsibilities, students will learn how Comprehensive Soldier Fitness (CSF), Being Ready and Resilient (R2C), and Individual and Family Readiness can assist them in preparing Soldiers and their Families in reducing and managing stress during times of uncertainty. The course places significant emphasis on preparing students for BOLC B and their first unit of assignment. It uses mission command case studies and scenarios to prepare students to face the complex ethical demands of serving as a commissioned officer in the United States Army. Students will: identify the leader’s roles and responsibilities for enforcing Army policies and programs, explore the dynamics of building a team prepared to handle any future operational environment and win, examine the importance of understanding culture and how it can affect a unit and its mission, develop both oral and written communication skills by conducting a battle analysis and decision brief.
Corequisites: MS 4004.

Military Science Minor
Minor Curriculum - Military Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 3303</td>
<td>Adaptive Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MS 3304</td>
<td>Applied Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MS 3305</td>
<td>Cadet Leader’s Course Intern</td>
<td>3</td>
</tr>
<tr>
<td>MS 4303</td>
<td>Mission Cmnd &amp; the Army Prof</td>
<td>3</td>
</tr>
<tr>
<td>MS 4304</td>
<td>Mssn Cmnd &amp; the Cont Grade Off</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3310</td>
<td>Military History of the US</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Semester Credit Hours</td>
<td>18</td>
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</tbody>
</table>

Psychology and Communication

Degrees

Majors

- Bachelor of Arts with a Double Major (BA) (p. 66)
- Bachelor of Arts with a Major in Communication (BA) (p. 170)
- Bachelor of Arts with a major in Communication with a concentration in Digital and Strategic Communication (BA) (p. 171)
- Bachelor of Arts with Majors in Communication and Spanish (BA) (p. 173)
- Bachelor of Arts with a Major in Psychology (BA) (p. 174)

Minors

- Communication (p. 176)
- Psychology (p. 176)
- Women's & Gender Studies (p. 151)

Courses

COMM 1129 News Publication I
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 1326 or permission of instructor.

COMM 1130 News Publication II
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 1129

COMM 1144 Debate
This course introduces the students to various argumentation techniques. The student will learn basic research skills and methods of cataloging evidence. The student will learn to organize and present ideas in effective communication paradigms. Individual debate and team formats will be demonstrated. College level development of sound arguments and reasoning including the effective incorporation of evidence for the purpose of debate.

COMM 1145 Debate II
Continued development of the skills introduced in Debate I, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university. Prerequisites: Permission of instructor.

COMM 1300 Media Literacy
Media literacy is defined as the ability to read, analyze, and evaluate communication messages in a variety of communication mediums such as newspapers, TV, radio, on-line, podcasts, and blogging. This course discusses the globalization of mass media, intersection of media and government, and the nature of journalism and the issue of media bias. Students will also explore the social and political implications of various media: how media can shape notions of reality, perpetuate or alter stereotypes, and reinforce or undermine cultural barriers.

COMM 1311 Fundamentals of Comm
The course acquaints students with theories of communication and applications thereof in various social, professional, and educational settings. Students study the core contexts within the discipline including but not limited to: intrapersonal, interpersonal, small group, organizational, public speaking, and mass media. Prerequisites: ENGL 1301 or concurrent enrollment.
TCN: SPCH 1311

COMM 1315 Public Speaking
The course acquaints students with public speaking applications thereof in various social, professional, and educational settings. Prerequisites: ENGL 1301 or Concurrent Enrollment
TCN: SPCH 1315
COMM 1326 Journalistic Writing  
An introduction to basic journalistic techniques, integrating the practices of news gathering, writing and editing through individual and class projects. In addition, this course will explore many of the common critiques made of news reporting. (Formerly COMM 3326)

COMM 2129 News Publication III  
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision.  
Prerequisites: COMM 1130.

COMM 2130 News Publication IV  
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision.  
Prerequisites: COMM 2129

COMM 2144 Debate III  
Continued development of the skills introduced in Debate II, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university.  
Prerequisites: Permission of instructor.

COMM 2145 Debate IV  
Continued development of the skills introduced in Debate III, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university.  
Prerequisites: Permission of instructor.

COMM 2235 Debate and Argumentation  
Theories and practice in argumentation and debate including analysis, reasoning, organization, evidence, and refutation. This course introduces the students to various argumentation techniques. The student will learn basic research skills and methods of cataloging evidence. The student will learn to organize and present ideas in effective communication paradigms. Individual debate and team formats will be demonstrated. College level development of sound arguments and reasoning including the effective incorporation of evidence for the purpose of debate.  
TCCN: SPCH 2335

COMM 2305 Rhetoric of Popular Culture  
The course explores the intersection of rhetorical theory and media imagery. Examines the rhetorical significance of multiple popular mediums of cultural exchange including: television programming, music, film, advertisement, and social media.  
Prerequisites: COMM 1311 or COMM 1315

COMM 2318 Interpersonal Communication  
The course examines the fundamental role of communication in establishing and maintaining personal relationships. By surveying the leading research and theories in interpersonal communication, students explore theoretical perspectives on how individuals enter into, maintain, and terminate relationships. Conceptual perspectives examined will include communicative competence, relational development, interaction process, codes, and context.  
TCCN: SPCH 1318

COMM 2324 Practicum in Electronic Media  
A studio course for understanding and using communication media technologies. Students will clarify communicative purposes, use appropriate software, as well as plan, produce, edit, and critique compositions. Classes may stress one or more genres, formats, or themes. May be repeated when topic changes with departmental approval.

COMM 2331 Photo I: Intro to Visual Comm  
A foundation class in basic photographic tools and techniques used for visual communication. The course examines methods for effective communication using photography. Student work is reviewed and critiqued as to composition, technique, and the ability to communicate the content of the original subject to the reviewer. The 35 mm format and black and white darkroom techniques are required.

COMM 2366 Film Appreciation-WIN  
Emphasis on the analysis of the visual and aural aspects of selected motion pictures, dramatic aspects of narrative films, and historical growth and sociological effect of film as an art. Interchangeable with THAR 2366.

COMM 3102 Video Production Lab  
Laboratory course to accompany COMM 3202. Must be taken concurrently with COMM 3202.

COMM 3123 Video Editing&Post Prod I Lab  
Laboratory course to accompany COMM 3223. Must be taken concurrently with COMM 3223.

COMM 3129 News Publications V  
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision.  
Prerequisites: COMM 2130.

COMM 3130 News Publications VI  
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision.  
Prerequisites: COMM 3129.

COMM 3132 Video Production II Lab  
Laboratory course to accompany COMM 3232. Must be taken concurrently with COMM 3232.

COMM 3133 Video Editing&Post Prod Lab  
Laboratory course to accompany COMM 3233. Must be taken concurrently with COMM 3233.

COMM 3144 Debate V  
Continued development of the skills introduced in Debate IV, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university.  
Prerequisites: Permission of instructor.

COMM 3145 Debate VI  
Continued development of the skills introduced in Debate V, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university.  
Prerequisites: Permission of instructor.
COMM 3202 Video Production I
Through class and instructor analysis of each student's idea for a short video, the class will cover pre-production details: initial concepts, synopsis, treatment, script, storyboards, shot list, scheduling, location scouting, and cost. Using screenings and analysis of classic scenes, the choices available to the videomaker are discussed in depth with focus on subsequent application. Students will work on individual video projects, and on one 6-10 minute final group project. To be taken concurrently with COMM 3102. Course may be repeated once for credit when topic changes.

COMM 3223 Video Editing and Post Prod I
The course emphasizes the theoretical bases of digital production, trends in publicly distributed media, and the use of computers in digital video production. Included are video standards, video editing applications, and an introduction to post-production use of transitions and special effects. Students will write project proposals and shoot their own video to edit. To be taken concurrently with COMM 3123. Course may be repeated once for credit when topic changes.

COMM 3232 Video Production II
Through exercises and demonstrations, this course will emphasize the craft, aesthetics and content of production as practiced in emerging and traditional formats. Students will continue to explore the classical narrative style as well as take command of experimental and documentary approaches. Specific topics may include the invisible line of action as it applies to three or more players, disrupting continuity, the music video, avant-garde techniques, recording behavior, and re-creating past events. Screenings and individual projects will be an integral part of this course. May be repeated once for credit. To be taken concurrently with Lab COMM 3132.

COMM 3302 Video Production I
This course will provide an introduction to understanding and answering questions in the field of communication using social science research methods. Course topics will range from developing social scientific research questions and hypotheses to analyses of data.

COMM 3300 Intro to Theo Prin of Comm
Beginning study of the nature, problems, and theories of human communication. Examines issues of meaning, relationship, and community within interpersonal, group, and media contexts. Surveys rhetorical, pragmatic, and interpretive perspectives on the communication process.

COMM 3302 Video Production I
Through class and instructor analysis of each student’s idea for a short video, the class will cover pre-production details: initial concepts, synopsis, treatment, script, storyboards, shot list scheduling, location scouting, and cost. Using screenings and analysis of classic scenes, the choices available to the videomaker are discussed in depth with focus on subsequent application. Students will work on individual video projects, and on one 6 - 10 minute final group project. Course fee: $40.00.

COMM 3305 Interpersonal Communication
This course examines the fundamental role of communication in establishing and maintaining personal relationships. By surveying the leading research and theories in interpersonal communication, students explore scholarly perspectives on how individuals enter into, maintain, and terminate relationships. Conceptual perspectives examined will include communicative competence, relational development, interaction process, codes, and context.

COMM 3307 Health Communication
In depth study of the central issues, topics, theories, and perspectives relating to health studies, health education, and communication. Surveys rhetorical, pragmatic, and interpretive, and contextual perspectives of communications processes that influence health care practices.

COMM 3308 Intercultural Communication
This course provides students with an introductory knowledge base for examining constructions of culture. Course discussions will focus upon intercultural interactions, intercultural barriers, cultural perspectives, cultural adaptations, identity constructions and the greater social, political, philosophical, relational, and economic contexts that shape these concepts.

COMM 3309 Special Topics in Comm
Examines different communications topics including research underpinnings and everyday applications. May be repeated for credit when topic changes.

COMM 3310 Methods of Inquiry:Quant Rsch
This course will provide an introduction to formulating and answering questions in the field of communication using social science research methods. Course topics will range from developing social scientific research questions and hypotheses to analyses of data.

COMM 3311 Advanced Public Speaking
The course serves to extend and develop presentational skills. It compares forms of reasoning and methods of message rehearsal. Students will write about and discuss their experiences as speakers and audience members.

COMM 3312 Methods of Inquiry:Qual Rsch
This course introduces students to qualitative research and prepares them in the approaches, skills, and techniques necessary to conduct research using this methodology.

COMM 3320 Teamwork and Communication
Development of communication skills in the context of teams in organizational and professional settings. Students study the nature of effective teamwork, group process, problem solving, and leadership.

COMM 3321 Political Communication
This course will provide an introduction to understanding and answering questions in the field of political communication. This course will investigate how political communication is structured by the media and used by people. The course also will explore how news media functions in a democratic system. Special emphasis will be placed on investigating how the media shapes, and is shaped by, public opinion. Theoretical and empirical research from political science, social psychology, and mass communication will be discussed.
COMM 3322 Public Relations
An introduction to communication between corporations, smaller businesses, non-profit organizations and government and human service agencies and their internal and external publics with particular attention to the uses of media. The course simulates public relations and management situations using case studies.

COMM 3323 Public Relations Campaigns
This course offers practical application of public relations in solving a variety of organizational communication challenges and opportunities. It will integrate theory, techniques and research methods in the planning and execution of public relations projects, programs and/or campaigns for one or more specific organizations. The objectives, planning, staffing, budgeting, implementation, and evaluation of public relations programs will be emphasized.

COMM 3324 Film Studies
This course explores how meaning is structured and perceived in the moving images, film and video. Drawing heavily on a wide array of historical and contemporary examples this course examines the many expressive strategies potentially usable in the creation of moving image art forms: iconography, editing, composition, sound, narrative, discourse, and performance. Topics may include: three visionary filmmakers, three genres, significant film movements, and international cinema. Screening lab required. Course may be repeated for credit when topics vary. This course is open to all students for credit.

COMM 3325 Mass Communication Processes
A comprehensive survey of the contemporary media of mass communication and an investigation of their influence on social, political, and economic change. This course will also offer material on the origins and historical development of print and broadcast media.

COMM 3326 Film History
Students will study the major industrial, technological, aesthetic, and cultural developments in motion picture history. Topics may include the invention of motion pictures, the establishment of a film industry and audience, the narrativization of film, developments in the use of cinematic technique, the establishment of national cinemas, the idea of film as art, and technological innovation.

COMM 3327 Media Writing
This course introduces students to some of the different writing techniques and styles used by print, broadcast and other forms of mass media. Students will develop a multiple range of skills including but not limited to skills in information gathering, interviewing, and organizing data. Course instruction allows for multiple focal points of discussion including but not limited to: News Writing, Broadcast Writing, Print Writing, Copy Writing and Script Writing. May be taken up to three times.

COMM 3328 Adv Journalistic Writing
A continuation of journalistic techniques, integrating the practices of news gathering, writing, editing, and revising through individual projects. Students will be required to produce publishable work of considerable depth and sophistication. Stories, features, and opinion pieces can be based on students’ areas of interest and/or major fields. May be taken up to two times.
Prerequisites: COMM 1326 and approval of instructor.

COMM 3329 Fundamentals of Advertising
This course explores the fundamentals of advertising and the basic theories and principles used in developing advertising. Learn how advertisers and agencies develop an advertisement or ad campaign, the visuals and messages to include in the ad, where and when the ad or campaign should run, and why. Topics include typical jobs in advertising and the basic duties associated with each job, advertising history, and ethical considerations. This course will also focus on advertising strategies for Hispanic markets.

COMM 3330 Nonverbal Communication
An introduction to the dynamics of nonverbal behavior through exploration of scholarly research, application of practical theory, and analysis of sociocultural variables to foster a deeper appreciation and greater understanding of nonverbal messages across social contexts.

COMM 3331 Photography II: Intro to Photo
Introduction to the photographic techniques, tools and content issues in visual communication for publications. The emphasis will be on using the photographic medium to communicate ideas, information, and emotions. Color and digital technology will be introduced, as well as an examination of sequential imaging as used in the photographic narrative form the picture story. Course may be repeated for credit when topics vary. Prerequisite/ Recommendation that student has own single-lens-reflex camera and 35 mm lens.
Corequisites: COMM 2331 or ARTS 2356, or consent of instructor.

COMM 3332 Broadcasting Production I
This course introduces the foundations of broadcasting production, including the production process, the role of crew members, the use of production equipment and facilities, and the production techniques that are used in the creation of television and radio programs. This introductory course requires an in-depth understanding of broadcasting production skills, including pitching, scripting, casting, directing, lighting, staging, and editing.

COMM 3333 Broadcasting Production II
This course requires the application of broadcasting production skills to create quality media projects. This advanced hands-on production course emphasizes the aesthetic creativity, technical proficiency, and the communication competency required to become a broadcasting producer, director or editor. Course exercises are designed for students to create talk shows, new programming, commercials, and narrative dramas in a multi-camera television studio and on-location settings, and to solve various problems in the production process.

COMM 3334 Visual Communication
An exploration of the visual dimensions of communication, including elements of graphic design, the visual representation of data, and emerging literacies associated with television and computer interfaces. May include individual and class projects in digital magazine and newspaper layout. Web page design, and presentation graphics.

COMM 3335 Social Media and Communication
This course will introduce students to various forms of social media and how to use them for communication strategies.
COMM 3337 Storytelling for Video Games
Storytelling for Video Games is an introductory course that examines the key storytelling aspects for narrative game design: introduction and history of games, worldbuilding, character development, Storytelling & Mythic Structure, and Interactive Dialogue. The focus for the final project is on learning how to write branching story arcs in interactive storytelling design. Students will purchase a computer game, complete with a game engine, and create a computer game adventure with characters of their own design. The game level will include interactive narrative written by the students.

COMM 3338 Travel Photography
This course focuses on the practical application of visual communication skills used for storytelling and documentary purposes as utilized by travel books, magazines, websites, and related publications. The course examines methods for effective communication using photography as it relates to documenting other cultures: people, cuisine, scenery, architecture, wildlife, etc. Student work is reviewed and critiqued as to composition, technique, and the ability to communicate the content of the original subject to the reviewer. Students will need to bring their own 35 mm format digital SLR camera. Laptops installed with Adobe Photoshop or other photographic editing software will also be necessary. Students will utilize social media, such as Instagram, Facebook, and Flickr, to display images during the trip and collectively create a travel photography book following the trip. This course is only offered during a Study Abroad Program and includes a look at the history of photography and famous photographers from the destination. The experience will be completely different each time, since we’re possibly going to different countries each time. May be repeated when topic changes.

COMM 4129 News Publication VII
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 3130

COMM 4130 News Publication VIII
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 4129.

COMM 4144 Debate VII
Continued development of the skills introduced in Debate VI, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university. Prerequisites: Permission of instructor.

COMM 4145 Debate VIII
Continued development of the skills introduced in Debate VII, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university. Prerequisites: Permission of instructor.

COMM 4311 Media and Behavior
This class will examine the ways in which individual consumers, society and various forms of media interact. Outcomes related to advertising effects, criminal behavior, sexuality and racial prejudice will be covered. (Cross-listed with PSYC 4311 and CRIJ 4324). Prerequisites: ANTH 2346 or COMM 1311 or CRIJ 1301 or PSYC 2301 or SOCI 1301.

COMM 4320 Trends in International Comm
This course is an intensive study of the interdependent relationship between mass and digital communication and culture in an international context. Students will examine conceptual and experiential problems that affect media communication across physical and cultural boundaries including problems of interpreting and evaluating different cultural values, world views, international media conglomerates, cultural imperialism, nationalism, information flow, and the effects of globalization.

COMM 4323 Communication Law
An overview and analysis of common legal issues in public communication. May include considerations relevant to print journalism, namely libel, invasion of privacy, censorship, questionable news gathering techniques and other First Amendment topics, as well as current legal problems in the television and radio broadcast industries.

COMM 4324 Comparative Journalism
Students will be engaged in a comprehensive study of the state of Latin American journalism practices, mainstream American journalism practices and ethnic Hispanic-oriented media in the United States. The focus is on traditional/new media outlets and news wires during election periods as well as journalistic freedoms and censorship, presidential elections, political news and advertisements, and international news reporting. This course is writing and research intensive and will primarily be taught in English though students will be reading media examples written in Spanish. Prerequisite SPAN 3300 or permission of the instructor.

COMM 4325 Organizational Communication
Overview of research and theory in organizational communication. Examines internal processes of socialization, group decision-making and influence as well as external communication such as public relations, issue management and corporate advocacy. Emphasis on analysis or organizational communication problems.

COMM 4328 Digital Publication Design
This course examines the design of magazines, newspapers, ‘zines, and other serial forms of publication as a communication media.

COMM 4329 Digital Communication Design
This course introduces students to the skills, techniques, and development of digital communication design concepts in advertising.

COMM 4330 Special Issues in Comm
Course provides intensive study of diverse and relevant specialized subjects and topics in communication. Subjects may focus on various trends, methodologies, research, measurements, and analysis within the field. Course may be repeated for credit when topic changes.

COMM 4331 Broadcast Journalism
This course requires the application of journalistic principles and production skills to produce broadcast and digital news stories. This advanced hands-on production course emphasizes practical skills, including news gathering, journalistic writing, interviewing, directing, and hands-on camera operating and editing. Course exercises are designed for students to create news programming in a multi-camera television studio and on-location settings and to deal with ethical and technical challenges in the production process. Prerequisites: COMM 1326, COMM 2324, COMM 2331, COMM 3202, COMM 3232, COMM 3327, COMM 3328, COMM 3332, or COMM 3333.
COMM 4340 Communication Ethics
The course asks how we make ethical judgements about communication practices: How do we recognize lies and decide when lying might be ethical? What other breaches of civility do we shun in the ways people speak and listen? What would be a reasonable ethic for professional and personal communication? How can we ethically communicate with people of other cultures?

COMM 4345 Advanced UG Research
This class is designed to offer students with a specific interest in developing social scientific and humanistic research skills in communication studies the opportunity to work with one or more Communication faculty members on directed research projects. The primary instructional activity in this course will be individualized research opportunities provided by faculty members. Every student will work with a single faculty mentor to help gain exposure to research methods through active involvement in ongoing research projects.
Prerequisites: COMM 3310 or 3312, and Junior or Senior Standing.

COMM 4350 Internship
Application of concepts through participation in communities, institutions, agencies, schools, or businesses. Supervision by faculty and sponsoring organizations. Includes interpretive journal, summary paper and presentation. Those students enrolled in the Communication/Spanish degree will intern at Spanish-speaking organizations. Evaluation of performance in this course is on CR/NC basis. May be repeated for credit.
Prerequisites: A completed and approved Internship Agreement.

COMM 4360 Comm Theory&Practice
Synthesis and integration of theory with communication practices and problems that students have encountered through work and life experiences. Students will learn how theory applies to our everyday life and helps us become more competent communicators. Culmination of this course is a senior thesis paper for senior portfolio.
Prerequisites: Senior Standing or consent of instructor

PSYC 3310 Lifespan Growth&Development
Prepares students to understand the physical, emotional, social and cognitive factors of growth and development of children, adolescents, and adults throughout the lifespan. Required for admission to the College of Education for students seeking teacher certification.
TCN: PSYC 2314

PSYC 2317 Basic Stats for Psychology
Introduces practical knowledge of statistical reasoning, from descriptive statistics such as histograms, measures of central tendency, variability, and correlation, to inferential statistics including, probability theory, hypothesis testing, effect size, t-tests, analysis of variance, regression, and chi square, which are essential for understanding scientific reports in psychology and cognitive sciences. Students enrolled in this class must obtain a "C" or better to earn credit and enroll in PSYC 3302.
Corequisites: PSYC 2117.
TCN: PSYC 2317

PSYC 3102 Rsrch Methods in Beh Sci Lab
This laboratory course offers students the opportunity to become familiar with experimental, correlational, and other procedures to selected psychological issues. This class provides the opportunity to develop skills in the analysis of published research, and introduces the student to techniques for collecting and analyzing data.
Corequisites: Concurrent enrollment in PSYC 3302.

PSYC 3301 Social Psychology
Explores the theory and phenomena of social psychology, the nature and type of social variables and the methods used to study them, and the effect of social variables upon the behavior of individuals.

PSYC 3302 Research Methods in PsyC
Reviews the principles and methodologies of psychological inquiry. Course emphasizes critical thinking, designing and conducting experimental, survey, and observational research, analyzing and interpreting scientific data, and writing professional research reports. This course is required for admittance in the Master of Counseling Psychology Program with a grade of "B" or higher.
Prerequisites: PSYC 2317 and PSYC 2117 (or a statistics course) with a grade of "C" or better.
Corequisites: concurrent enrollment in PSYC 3102 or permission of instructor.

PSYC 3304 Learning and Memory
Familiarizes the student with the general principles of learning and memory by examining various learning theories, memory research, perception, information processing, and problem-solving.

PSYC 3308 Intercultural Communication
This course provides students with an introductory knowledge base for examining constructions of culture. Course discussions will focus upon intercultural interactions, intercultural barriers, cultural perspectives, cultural adaptions, identity constructions and the greater social, political, philosophical, relational, and economic contexts that shape these concepts.
Prerequisites: COMM 1311 or Instructor Approval.

PSYC 3310 Biological Psychology
Examines the biological basis of behavior. Familiarizes students with the biological mechanisms relevant to key issues in psychology, such as learning and memory, sexual behavior, biological rhythms, emotion and stress, lateralization and language, sensation/perception, sensorimotor systems, abnormal behavior, and neural development and plasticity.
PSYC 3315 Psychology of Aging
Examines major theories of adult development and particularly explores the interactive processes of biology, cognitive aging, personality, and psychosocial factors on development in older adults (age 50 and above). Emphasis is on the everyday adjustments that older adults make as they age and on the impact of increasing numbers of older adults on economics, politics and health care.

PSYC 3320 Evolutionary Psychology
The course examines the foundations of human behavior, cognitive processes and personality through an evolutionary perspective. Evolutionary psychology attempts to explain how certain behaviors arise, their origin, and their historical and significant purpose throughout human history. Topics include human behavior, the human mind, survival, mating strategies, group behavior, aggression, and the differences between sexes. (Formerly PSYC 2320)
Prerequisites: One course from PSYC 2301, SOCI 1301, CRIJ 1301, BIOL 1370 or ANTH 2346.

PSYC 4199 Undergraduate Research
A course adapted to the study of special topics in Psychology and Cognitive Science. For advanced students interested in developing a research topic or a senior thesis independently through conference and activities directed by the professor. Topic is chosen by the student with the approval of the professor prior to registration. Course may be repeated but not to exceed eight semester hours.
Prerequisites: PSYC 3302 or Permission of instructor.

PSYC 4299 Undergraduate Research
A course adapted to the study of special topics in Psychology and Cognitive Science. For advanced students interested in developing a research topic or a senior thesis independently through conference and activities directed by the professor. Topic is chosen by the student with the approval of the professor prior to registration. Course may be repeated but not to exceed eight semester hours.
Prerequisites: PSYC 3302 or Permission of instructor.

PSYC 4301 Psychology of Personality
Introduces personality theory and the important factors in the development of personality from birth to maturity. This course is required for admittance into the Master of Counseling Psychology program with a grade of 'B' or higher.
Prerequisites: Psychology major and Senior status, or permission of instructor.

PSYC 4303 Abnormal Psychology
Introduces symptoms, descriptions, etiology, and treatment of major mental disorders such as mood, anxiety, substance-related, psychotic, childhood, eating, and personality disorders. This course is required for admittance into the Master of Counseling Psychology program.
Prerequisites: PSYC 2301 or SOCI 1301 or CRIJ 1301.

PSYC 4305 Psychology of Language
Explores human communication, the structure and cognitive processes involved in language use, psychological study of syntax and semantics, bilingualism, language and thought, and language errors and disorders. Also examines the principles associated with receptive and expressive communication deficits in children.

PSYC 4306 Language Development
This course explores the development of child language as it relates to sounds, grammar and speech of young children. The relationship between cognitive development and language in monolingual and bilingual children is a primary focus. (Cross-listed with CSDO 4333)

PSYC 4307 The Psychology of Bilingualism
Explores issues related to language and memory for those who speak two or more languages. Class examines bilingual issues in language comprehension, reading, lexical representation, code-switching, second-language acquisition, language and brain disorders, biological and cultural aspects of bilingualism, bilingual education, and the development of bilingualism in children.

PSYC 4308 Theory & Prin of Psyc Testing
Introduces the rationale of psychological measurement, test construction, validity, reliability, standardization, and statistical treatment of test results. Examines various accepted tests as measurements of significant individual characteristics. This course is required for admittance into the Master of Counseling Psychology program.
Prerequisites: PSYC 2317.

PSYC 4309 Foundations of Language
This course explores basic theoretical issues concerning the nature of human language. Topics include the intricate system that governs language acquisition, linguistic competence and performance, the similarities and differences among world languages, and the relationship between spoken and written language.

PSYC 4310 Psychology of Human Sexuality
Covers psychological issues in human sexuality including genetic, hormonal, cognitive, and cultural determinants. The causes and treatment of sexual dysfunctions, sexual deviations, sexual life style variations, and gender identity will also be explored. May be taken for graduate credit.

PSYC 4311 Media and Behavior
Examines the ways in which individual consumers, society and various forms of media interact. Outcomes related to advertising effects, criminal behavior, sexuality and racial prejudice will be covered. (Cross-listed with COMM 4311 and CRIJ 4324)
Prerequisites: ANTH 2346 or COMM 1311 or CRIJ 1301 or PSYC 2301 or SOCI 1301.

PSYC 4315 Alcohol, Drugs & Human Behavior
Reviews the social, psychological, and physiological effects of alcohol and all the major therapeutic and recreational drugs, historical and current definitions of alcohol and drug use and abuse, and sociocultural aspects of alcohol/drug dependency, including vulnerable populations. The issues of alcohol/drug use and abuse will be studied to develop effective strategies for prevention and rehabilitation of alcohol and drug dependency. Interchangeable with CRIJ 3325. May be taken for graduate credit.

PSYC 4325 Cognitive Psychology
Focuses on cognitive psychology, language development, concept formation, problem solving, information processing, split-brain research, neuropsychology, memory, perception, and cognitive clusters.
Prerequisites: PSYC 2301 or permission of instructor.

PSYC 4335 Issues in Psychology
Examines current or special topics in the field of psychology. May be repeated when topics change.
PSYC 4399 Undergraduate Research
A course adapted to the study of special topics in Psychology and Cognitive Science. For advanced students interested in developing a research topic or a senior thesis independently through conference and activities directed by the professor. Topic is chosen by the student with the approval of the professor prior to registration. Course may be repeated but not to exceed eight semester hours.
Prerequisites: PSYC 3302 or Permission of instructor.

Bachelor of Arts with a Major in Communication (BA)

Degree Requirements
Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
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</table>
Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation" | 42 |
| Math Elective                           |                                      |
Select 3 SCH from any math course above the level of College Algebra | 3 |
| Life & Physical Science Lab             |                                      |
Select 1 SCH compatible with Life & Physical Science course | 1 |
| Foreign Language/Study Abroad           |                                      |
Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMIU-approved Study Abroad program while living for at least 4 weeks in another country. | 6 |
| Major                                   |                                      |
COMM 3300 Intro to Theo Prin of Comm    | 3                                    |
COMM 3310 Methods of Inquiry:Quant Rsch | 3                                    |
COMM 3312 Methods of Inquiry:Qual Rsch  | 3                                    |
COMM 4350 Internship                     | 3                                    |
COMM 4360 Comm Theory&Practice           | 3                                    |
| Restrictive COMM Electives              |                                      |
Select 6 SCH from the following:         |                                      |
COMM 3102 Video Production Lab           |                                      |
& COMM 3202 and Video Production I       |                                      |

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>COMM 3132 Video Production II Lab</td>
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</tbody>
</table>
& COMM 3232 Video Production II         |                                      |
| COMM 3223 Video Editing and Post Prod I |                                      |
& COMM 3123 Video Editing & Post Prod I |                                      |
| COMM 3233 Video Editing and Post-Prod II|                                      |
& COMM 3133 Video Editing & Post Prod Lab|                                      |
| COMM 3327 Media Writing                |                                      |
| COMM 3331 Photography II: Intro to Photo|                                      |
| COMM 3332 Broadcasting Production I    |                                      |
| COMM 3333 Broadcasting Production II   |                                      |
| COMM 4330 Special Issues in Comm (if the topic has a media focus) | |
Select 12 SCH from remaining COMM courses | 12 |
| Minor |                                      | 18 |
Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences. |
| General Electives                       |                                      |
Select 17 SCH, at least 12 SCH of which must be at the 3000-4000 level. Students who do not elect to have a minor curriculum may use up to 9 hours of the resulting general electives in their major curriculum | 17 |
| Note 1                                  |                                      |
Concentration in Media Production will be earned if 15 SCH of the work done for the major is taken from COMM 2331, 3331, 3102/3202, 3123/3223, 3132/3232, 3133/3233, 3309 (if topic has media production focus), 3327, or 4330 (if topic has a media production focus). Student desiring a concentration in Media Production noted on their transcript must request it on their Application for Graduation. |
| Note 2                                  |                                      |
Certain courses (COMM 3309, 3324 and 4330) may be taken more than once for credit within the degree program when topic changes. |
| Total Semester Credit Hours             | 120 |

Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman
Fall
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
</table>
ENGL 1301  | English Composition I              | 3                     |
HIST 1301  | The US to 1877                     | 3                     |
MATH 1314  | College Algebra                    | 3                     |
UNIV 1201  | Learn a Global Context I           | 2                     |

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<table>
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<th>Course Title</th>
<th>Credit Hours</th>
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<td>ENGL 1302</td>
<td>English Composition II</td>
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<tr>
<td></td>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
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<td></td>
<td>UNIV 1302</td>
<td>Signature Course</td>
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<td></td>
<td>MATH - Math Elective</td>
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<td>3</td>
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<tr>
<td></td>
<td>Social/Behavioral Science</td>
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<td><strong>Semester Credit Hours</strong></td>
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<td>Fall</td>
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<td>American National Government</td>
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<td>COMM Elective</td>
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<td></td>
<td>COMM Elective</td>
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<tr>
<td></td>
<td>Language, Philosophy &amp; Culture</td>
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<td></td>
<td>Life &amp; Physical Science</td>
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<tr>
<td>Spring</td>
<td>PSCI 2306</td>
<td>American State Government</td>
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<tr>
<td></td>
<td>General Elective</td>
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<td></td>
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<tr>
<td></td>
<td>Life &amp; Physical Science</td>
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<tr>
<td></td>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign Language/Study Abroad</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minor/General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
<td><strong>16</strong></td>
<td></td>
</tr>
<tr>
<td>Junior</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>COMM 3300</td>
<td>Intro to Theo Prin of Comm</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Adv General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minor/General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Adv Minor/General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign Language/Study Abroad</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
<td><strong>16</strong></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>COMM 3310</td>
<td>Methods of Inquiry:Quant Rsch</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>COMM Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Adv General Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Adv Minor/General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
<td><strong>15</strong></td>
<td></td>
</tr>
<tr>
<td>Senior</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>COMM 4360</td>
<td>Comm Theory&amp;Practice</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>COMM 3312</td>
<td>Methods of Inquiry:Qual Rsch</td>
<td>3</td>
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<td></td>
<td>Restrictive COMM Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Adv Minor/General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Bachelor of Arts with a major in Communication with a concentration in Digital & Strategic Communication (BA) *RELLIS CAMPUS**

**Degree Requirements**

**HOURS REQUIRED**

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
</tbody>
</table>

**Major**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3300</td>
<td>Intro to Theo Prin of Comm</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3310</td>
<td>Methods of Inquiry:Quant Rsch</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3312</td>
<td>Methods of Inquiry:Qual Rsch</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4350</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4360</td>
<td>Comm Theory&amp;Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 24 SCH from remaining 3000-4000 COMM courses. 24
### Concentration

Select 21 SCH from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3322</td>
<td>Public Relations</td>
</tr>
<tr>
<td>COMM 3323</td>
<td>Public Relations Campaigns</td>
</tr>
<tr>
<td>COMM 3329</td>
<td>Fundamentals of Advertising</td>
</tr>
<tr>
<td>COMM 4323</td>
<td>Communication Law</td>
</tr>
<tr>
<td>COMM 4325</td>
<td>Organizational Communication</td>
</tr>
<tr>
<td>COMM 4340</td>
<td>Communication Ethics</td>
</tr>
<tr>
<td>COMM 3309</td>
<td>Special Topics in Comm (if topic has a Digital/Strategic Communication focus)</td>
</tr>
<tr>
<td>COMM 4330</td>
<td>Special Issues in Comm (if topic has a Digital/Strategic Communication focus)</td>
</tr>
</tbody>
</table>

### Additional Requirements

Select 18 SCH at 1000-2000 level, of which 12 SCH must be COMM courses.

**Note**

COMM 3309 and 4330 may be repeated for credit within the degree program when topic changes.

Total Semester Credit Hours 120

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

#### Freshman

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301 The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201 Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>COMM General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours**: 17

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1302 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302 The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1302 Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>Social/Behavioral Science</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours**: 15

#### Sophomore

<table>
<thead>
<tr>
<th>Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 2305 American National Government</td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

#### General Elective

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 2306 American State Government</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science ^1</td>
<td>3</td>
</tr>
<tr>
<td>COMM General Elective</td>
<td>3</td>
</tr>
<tr>
<td>COMM General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours**: 16

#### Junior

<table>
<thead>
<tr>
<th>Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3300 Intro to Theo Prin of Comm</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3312 Methods of Inquiry Qual Rsch</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Concentration Elective ^2</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Concentration Elective ^2</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours**: 15

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3310 Methods of Inquiry Quant Rsch</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Concentration Elective ^2</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Concentration Elective ^2</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours**: 15

#### Senior

<table>
<thead>
<tr>
<th>Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 4360 Comm Theory &amp; Practice</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Concentration Elective ^2</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Concentration Elective ^2</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours**: 15

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 4350 Internship</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Concentration Elective ^2</td>
<td>3</td>
</tr>
<tr>
<td>Advanced COMM Concentration Elective ^2</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours**: 15

**Total Semester Credit Hours**: 120

---

1 Co-requisite: Must be taken concurrently with Science lab.

2 Select 21 SCH from COMM COMM 3322, COMM 3323, COMM 3329, COMM 4323, COMM 4325, COMM 4340, COMM 3309, COMM 4330 (when topics meet Digital and Strategic Communication concentration) or course approved by program director.

---

Actual degree plans may vary depending on availability of courses in a given semester.
Bachelor of Arts with Majors in Communication and Spanish (BA)

Degree Requirements

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>Math Elective</td>
<td>Select 3 SCH from any math course above the level of College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
<td>1</td>
</tr>
<tr>
<td>Second Romance Language</td>
<td>Select 6 SCH from the same Romance Language (French, Latin or Portuguese)</td>
<td>6</td>
</tr>
</tbody>
</table>

Communication Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1326</td>
<td>Journalistic Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3310</td>
<td>Methods of Inquiry:Quant Rsch</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3322</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3325</td>
<td>Mass Communication Processes</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3327</td>
<td>Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3329</td>
<td>Fundamentals of Advertising</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4320</td>
<td>Trends in International Comm</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4324</td>
<td>Comparative Journalism</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4340</td>
<td>Communication Ethics</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4350</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4360</td>
<td>Comm Theory &amp; Practice</td>
<td>3</td>
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</table>

Spanish Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>SPAN 2350</td>
<td>Intro to the Hispanic World</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3305</td>
<td>Spanish Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3310</td>
<td>Intro to Literature in Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3351</td>
<td>Intro to Engli-Span Translation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3330</td>
<td>Special Topics Span Lit &amp; Cult</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4398</td>
<td>Creative Writing</td>
<td>3</td>
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Spanish Elective

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 15 SCH 3000-4000 level Spanish</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

General Electives

Select 2 SCH at the 3000-4000 level from any discipline, except Communication or Spanish, outside the College of Nursing and Health Sciences

Total Semester Credit Hours 120

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Second Romance Language</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>MATH - Math Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td></td>
<td>1</td>
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</tbody>
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Sophomore

Fall

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3325</td>
<td>Mass Communication Processes</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 2350</td>
<td>Intro to the Hispanic World</td>
<td>3</td>
</tr>
<tr>
<td>Second Romance Language</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1326</td>
<td>Journalistic Writing</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3305</td>
<td>Spanish Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Soc/Behavioral Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Junior

Fall

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3322</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3327</td>
<td>Media Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

General Electives
Bachelor of Arts with a Major in Psychology (BA)

Degree Requirements

Hours Required

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
</table>

| [University Core Curriculum] (p. 436) | Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation" | 42 |
| Math Elective | Select 3 SCH from any math course above the level of College Algebra | 3 |
| Life & Physical Science Lab | Select 1 SCH compatible with a Life & Physical Science course | 1 |
| Foreign Language | Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMU-approved Study Abroad program while living for at least 4 weeks in another country. | 6 |
| Major | | |
| PSYC 2301 | Intro to Psychology | 3 |
| PSYC 2314 | Lifespan Growth & Development | 3 |
| PSYC 2117 & PSYC 2317 | Basic Stats for Psyc Lab and Basic Stats for Psychology | 4 |
| PSYC 3102 & PSYC 3302 | Rsrch Methods in Beh Sci Lab and Research Methods in Psyc | 4 |
| PSYC 3301 | Social Psychology | 3 |
| PSYC 4301 | Psychology of Personality | 3 |
| PSYC 4325 | Cognitive Psychology | 3 |
| Restricted Psychology electives: | Select 9 SCH from the following: | 9 |
| PSYC 3304 | Learning and Memory | |
| PSYC 3310 | Biological Psychology | |
| PSYC 3315 | Psychology of Aging | |
| PSYC 4199 | Undergraduate Research | |
| PSYC 4299 | Undergraduate Research | |
| PSYC 4399 | Undergraduate Research | |
| PSYC 4303 | Abnormal Psychology | |
| PSYC 4305 | Psychology of Language | |
| PSYC 4306 | Language Development | |
| PSYC 4307 | The Psychology of Bilingualism | |
| PSYC 4308 | Theory & Prin of Psyc Testing | |
| PSYC 4309 | Foundations of Language | |
| PSYC 4310 | Psychology of Human Sexuality | |
| PSYC 4315 | Alcohol, Drugs & Human Behavr | |
Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

**Advanced General Electives**
Select 18 SCH at the 3000-4000 level. Students who do not elect to have a minor curriculum may use up to 9 hours of the resulting general electives in their major curriculum.

**Total Semester Credit Hours**: 120

---

## Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online (p. 36).

### Freshman

#### Fall

- ENGL 1301 English Composition I 3
- HIST 1301 The US to 1877 3
- MATH 1314 College Algebra 3
- PSYC 2301 Intro to Psychology 3
- UNIV 1201 Learn a Global Context I 2
- Creative Arts 3
- **Semester Credit Hours**: 17

#### Spring

- ENGL 1302 English Composition II 3
- HIST 1302 The US Since 1877 3
- UNIV 1302 Signature Course 3
- MATH - Math Elective 3
- Social/Behavioral Science 3
- **Semester Credit Hours**: 15

### Sophomore

#### Fall

- PSCI 2305 American National Government 3
- PSYC 2314 Lifespan Growth&Development 3
- Foreign Language/Study Abroad 3
- Language, Philosophy & Culture 3
- Life & Physical Science 3
- Life & Physical Science Lab 1
- **Semester Credit Hours**: 16

#### Spring

- PSCI 2306 American State Government 3
- PSYC 2317 Basic Stats for Psychology 3
- PSYC 2117 Basic Stats for Psyc Lab 1
- Foreign Language/Study Abroad 3
- Life & Physical Science 3

### Junior

#### Fall

- PSYC 3302 Research Methods in Psyc 3
- PSYC 3102 Rsrch Methods in Beh Sci Lab 1
- PSYC 3301 Social Psychology 3
- Minor/General Elective 3
- Adv Minor/General Elective 3
- **Semester Credit Hours**: 13

#### Spring

- PSYC 4301 Psychology of Personality 3
- PSYC - Restricted Psychology Elec 3
- PSYC - Restricted Psychology Elec 3
- Advanced General Elective 3
- Minor/General Elective 3
- **Semester Credit Hours**: 14

### Senior

#### Fall

- PSYC 4325 Cognitive Psychology 3
- PSYC - Restricted Psychology Elec 3
- Advanced General Elec 3
- Adv Minor/General Elective 3
- Adv Minor/General Elective 3
- **Semester Credit Hours**: 15

#### Spring

- Advanced General Elec 3
- Advanced General Elec 3
- Advanced General Elec 3
- Advanced General Elec 3
- Adv Minor/General Elective 3
- **Semester Credit Hours**: 15

**Total Semester Credit Hours**: 120

* Students must earn a grade of C or better to earn credit and register in the subsequent required course, PSYC 3302 Research Methods. Minimum entrance requirement for a Master of Arts in Counseling Psychology: PSYC 3302, 4301, 4303, 4308 with a grade of “B.” Students who do not elect to have a minor curriculum may use up to 9 hours of their available electives in additional courses in their major curriculum.

BA/MA Option: See Combined BA/MA Programs in this section.

*Actual degree plans may vary depending on availability of courses in a given semester.*

*Some courses may require prerequisites not listed.*
Communication Minor

Minor Curriculum - Communication

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>Select 6 SCH 1000-2000 COMM courses</td>
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<tr>
<td>Electives</td>
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<tr>
<td>Select four electives from any 3000-4000 Communication course offered</td>
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<td>Total Semester Credit Hours</td>
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1 Except COMM 4350 & COMM 4360.

Psychology Minor

Minor Curriculum - Psychology

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<tr>
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<tr>
<td>PSYC 2314</td>
<td>Lifespan Growth&amp;Development</td>
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<td>PSYC 3301</td>
<td>Social Psychology</td>
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<td>PSYC 3304</td>
<td>Learning and Memory</td>
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<td>PSYC 4307</td>
<td>The Psychology of Bilingualism</td>
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<td>PSYC 4325</td>
<td>Cognitive Psychology</td>
<td></td>
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<td>Select three courses from any 3000 or 4000-level PSYC course not previously taken</td>
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<td>Total Semester Credit Hours</td>
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Social Sciences

Degrees

Majors

- Bachelor of Arts with a Double Major (BA) (p. 66)
- Bachelor of Arts with Majors in Criminal Justice and Political Science (BA) (p. 187)
- Bachelor of Arts with a Major in Political Science (BA) (p. 191)
- Bachelor of Arts with a Major in History and Political Science (BA) (p. 189)
- Bachelor of Arts with a Major in Sociology (BA) (p. 193)
- Bachelor of Science with a Major in Criminal Justice (BS) (p. 194)

Minors

- Anthropology (p. 196)
- Criminal Justice (p. 196)
- Geography (p. 196)
- International Leadership (p. 196)
- Political Science (p. 197)
- Sociology (p. 197)
- Women's & Gender Studies (p. 151)

Courses

ANTH 2302 Introduction to Archaeology
The study of the human and material remains of previous civilizations humans left behind on or below the surface of the earth. Different theories of the interpretations of archaeological evidence are presented. In addition to course work, a field trip will be included. TCCN: ANTH 2302

ANTH 2346 Introduction to Anthropology
This introductory course considers the emergence of humans, and traces the development of their physical characteristics and culture to the present. The course covers the four basic subfields of anthropology: cultural anthropology, linguistic anthropology, physical anthropology, and archaeology. TCCN: ANTH 2346

ANTH 3302 Indians of North America
Survey of the archeology, history, culture, social organization, ecology, and contemporary conditions of the indigenous people of North America, including the Indians of Mexico. Special emphasis is placed on the impact of contact, resistance, and the reservation experience of Indians in Texas.

ANTH 3303 Biological Anthropology
Anthropology is the holistic study of humans and our culture. Biological anthropology, a sub-discipline of anthropology, is the study of human biological and cultural evolution. This course introduces foundational concepts pertaining to human evolution, including evolutionary theory, genetics, geology paleontology, primatology, archaeology, and osteology. The course also covers the detailed history of the biocultural evolution of our species. This class also includes an extensive examination into the applied side of biological anthropology, particularly as it pertains to forensics and bioarcheology.

ANTH 3305 North American Archaeology
This course introduces students to the archaeology of North America by examining the different time periods and cultural areas. The latest archaeological interpretations and debates are provided to understand the peopling of the continent, the origins of North American agriculture, and the development of complex societies. The course also discusses significant archaeological interpretations of historical sites.

ANTH 4301 Special Topics in Anthropology
Selected topics in an identified area. May be repeated if topic changes.

ANTH 4302 Myth, Magic and Religion
Why have humans populated their universe with unseen beings, imagined places, and supernatural powers? Why have they created elaborate rituals and mythic stories that must be believed in if human life is to prosper? Humans have been trying to find order and meaning in the universe for thousands of years, and their attempts to do so—belief in the supernatural, stories to explain the unknown, and all the types of behaviors these manifest—are as diverse and creative as anything that can find in popular books and movies.
ANTH 4303 Archaeology Reality & Fantasies
This course explores the myths, mysteries, frauds, and fantasies surrounding archaeology. Topics include lost continents, aliens’ role in prehistory, controversies over the peopling of the Americas, myths of the Moundbuilders, psychic archaeological methods, archaeology of religion, diverse claims about the past, different uses of archeological evidence, and the persistence of popular misconceptions about the human past. Throughout the class, we will focus on critical thinking through an examination of science and pseudoscience. Specific case studies are used to explore the differences between science and pseudoscience and to generate thoughtful discussion concerning the scientific method, logical thinking, rationality, and belief.

ANTH 4304 Food and Culture
In this course, students gain a biocultural perspective on foodways throughout cultures around the world. Students will explore ethnographic accounts of various foodways around the world throughout the semester. This class will cover personal food taboos, the prehistoric and historic use of chocolate, nutritional challenges in poverty-stricken communities, and the social power behind the ways in which particular foods look and are served. In addition to learning about the synthesis of food and culture, students will also learn how to write an academic research paper.

ANTH 4351 Cultural Anthropology
Major aspects of culture (social organization, economics, religion, etc); cultural patterns and sociocultural change; prehistory of humans and the development of variant cultures.

CRIJ 1301 Intro to Criminal Justice
An overview of the criminal justice system, with a focus on decision points and administrative practices in police, criminal court, and correctional bureaucracies. The historical evolution of criminal justice agencies is covered along with basic criminal procedures.

CRIJ 1306 Courts & Criminal Procedure
Survey of the U.S. judicial system with emphases on formal judicial procedures and institutional structures. Also, quasi-judicial and extra-judicial features are covered as well as principles of evidence that pertain to the criminal justice process including the nature and types of criminal evidence and admissibility of evidence in court.

CRIJ 2306 Criminal Law
This course explores the myths, mysteries, frauds, and fantasies surrounding archaeology. Topics include lost continents, aliens’ role in prehistory, controversies over the peopling of the Americas, myths of the Moundbuilders, psychic archaeological methods, archaeology of religion, diverse claims about the past, different uses of archeological evidence, and the persistence of popular misconceptions about the human past. Throughout the class, we will focus on critical thinking through an examination of science and pseudoscience. Specific case studies are used to explore the differences between science and pseudoscience and to generate thoughtful discussion concerning the scientific method, logical thinking, rationality, and belief.

CRIJ 2313 Correctional Systems & Practice
An analysis and evaluation of contemporary correctional practices. Covers the history of penology, sentencing variations, and community and institutional corrections.

CRIJ 2328 Police Systems & Practices
A study of the history and social settings of the police, the police role and discretion, police administrative practices, the politics of policing, and the problems of law enforcement in a democratic society.

CRIJ 2329 Fundamentals of Criminal Law
A study of the nature of substantive criminal law. Included are philosophies and historical developments, major definitions and concepts, classification of crime, and the elements of crimes and their penalties. Texas statutes will be utilized as illustrations.

CRIJ 3301 Research Methods in Social Sci
An introduction to the scientific method as applied to social science research. Topics include research methods, research designs, the analysis of data, and basic computer techniques. Students must earn a C or higher to pass this course. This course is interchangeable with PSCI 3301 and SOCI 3301.

Prerequisites: Junior or Senior Standing and consent of COAS Advisor.

CRIJ 3302 Philosophy of Law
An examination and evaluation of some basic practices and principles of Anglo-American law. This course will focus on such problems as: the nature and extent of legal liability, strict liability statutes, “Good Samaritan” laws, the law of criminal attempts, the enforcement of community moral standards, the obligation to obey the law, the justification of punishment and capital punishment, civil disobedience, and affirmative action and reverse discrimination. We will examine prominent legal cases and their underlying principles, but the emphasis will be on the philosophical analysis and evaluation of the law in these areas. Reading will be drawn from both classical and contemporary sources. (Cross-listed with PHIL 3302).

CRIJ 3306 Law & Society
This course will examine the dynamics of how laws are created, by whom and for the benefit of which particular groups in society. The focus is on inequality in the application of laws to women and minorities.

CRIJ 3308 Victimology
An introduction to the field of victimology. Topics include society’s perceptions of victims, theories of victimization, the nature of victimization, patterns of victimization, and recent societal responses to the problems of victims.

CRIJ 3309 Probation and Parole
This course involves a survey of post-conviction alternatives to incarceration. It will examine intermediate punishments, treatment programs, and post-conviction programs.

CRIJ 3310 Juvenile Delinquency & Justice
As survey of juvenile offenders and the juvenile justice system. Includes theories of delinquency, the history of the juvenile courts, and the operation of the juvenile justice system. Special attention will be paid to the role of the police, juvenile court practices, and their legal basis, community-based juvenile programs, and juvenile institutions.

CRIJ 3311 Institutional Corrections
An examination of both prisons and jails as “total institutions.” The course will include the history of prisons, various philosophies of incarceration, organizational structure, institutional subcultures, and problems encountered in the classification and supervision of incarcerated offenders.

CRIJ 3320 Organized Crime
Examines organized criminal groups, such as the so-called “mafia,” in the twentieth century. Applies historical, economic, political, and legal perspectives. Emphasizes labor racketts, gambling syndicates, and extortion methods. Covers in detail special government commissions and major legislative reforms.
CRIJ 3325 Drugs in Our Society
Provides students with a realistic perspective of the drug problem. Areas of concentration includes: (1) history of drug abuse public policy; (2) nature of common drugs; and (3) legislative and enforcement issues including the legalization debate, organized crime, and political dimensions.

CRIJ 4140 Special Issues in Criminal Jus
An intensive examination of special topics of study in criminal justice. May be repeated for credit if topic changes. Topics may include, but are not limited to, race/ethnicity and crime, crime and the media, trafficking in women and children, quantitative research methods, terrorism, current issues in criminal Justice. One or two credit arrangement must be approved by the CRIJ faculty advisor.

CRIJ 4190 Undergraduate Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4240 Special Issues in Criminal Jus
An intensive examination of special topics of study in criminal justice. May be repeated for credit if topic changes. Topics may include, but are not limited to, race/ethnicity and crime, crime and the media, trafficking in women and children, quantitative research methods, terrorism, current issues in criminal Justice. One or two credit arrangement must be approved by the CRIJ faculty advisor.

CRIJ 4290 Undergraduate Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4305 Police Personnel Management
Personnel management from an interpersonal relations standpoint. Emphasis is upon establishing and maintaining effective communications, conflict and conflict resolution, and establishing a supportive climate for teamwork with and between law enforcement agencies of the criminal justice system.

CRIJ 4310 Drug Trafficking
This course examines the economic and social history of cocaine, heroin, and marijuana along with the evolution of the U.S. led “war on drugs” and international narcotics control efforts. With a focus on Latin America, the class will explore the political economy of the cocaine trade in Mexico, Brazil, Central America, the Caribbean, and the Andean region - Bolivia, Peru, Ecuador, and Colombia. Emphasis will be given to the contemporary phases during the late 1960s to the post-9/11 transformation in the U.S. anti-drug policies and the sponsored “Global War on Terrorism.” Questions such as: Is it possible to end drug trafficking? Has the war on drugs been successful? What have been the unintended consequences of the U.S. punitive anti-drug approach domestically and internationally? Is legalization the path to take? are addressed. Alternative policies to the drug issue will be assessed, exploring the cases of Uruguay, Portugal, and the Netherlands among others. Prerequisites: Junior or Senior standing.

CRIJ 4311 The Constitution and Civil Lib
The parameters of the federal Constitution and civil liberties; rights of citizens against state and federal governments; the nature of due process and the equal protection of the law; freedoms of expression, association and religion. (Cross-listed with PSCI 4311)

CRIJ 4312 Constitution and Crim Pro Law
The Constitution’s limits on government authority to gather evidence and investigate crime by examination of the Fourth Amendment’s limits on search, seizure and arrest; the Fifth Amendment’s privilege against self-incrimination; and the Sixth Amendment’s right to counsel. Prerequisite for CRIJ majors: Successful completion of 12 lower-level CRIJ required courses. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ. (Cross-listed with PSCI 4312)

CRIJ 4320 Women & Criminal Justice
The course deals with incidence studies and casual theories in female criminology as well as criminal justice processing of female offenders. Also examined are issues concerning female personnel working in police, court and correctional agencies. A female victimological approach is included.

CRIJ 4321 Senior Pro-Seminar-WIN
This course is an intensive seminar that allows students to critically examine issues relevant to the police, courts, and correctional systems in the U.S. It is a writing intensive course in which students will apply research skills and submit a literature review. Students also participate in review sessions related to core topical areas in criminal justice. Prerequisites: CRIJ 3301 or equivalent and CRIJ 4325, both with a grade of "C" or better, Senior Standing, and consent of COAS Advisor.

CRIJ 4324 Media and Crime
Analyzes the images of crime, criminals, and the criminal justice system that are presented through major mass and entertainment media in the United States. Students will be able to examine how the media portrays violence, crime and criminals; influences crime policy; and, impacts public perceptions of crime and victimization. (Cross-listed with COMM 4311 and PSYC 4311)

CRIJ 4325 Statistics in Criminal Justice
This course is designed to provide students with an introduction to basic concepts and techniques necessary for a preliminary and proficient understanding of criminal justice research. Emphasis will be placed on analyzing and interpreting research findings using a standard statistical software package that includes descriptive statistics, inferential statistics, and bivariate analysis. Prerequisites: CRIJ 3301 with a grade of "C" or better, Senior Standing, and consent of COAS Advisor.

CRIJ 4333 White Collar Crime
This course will focus on the study of contemporary forms of white collar crime and its explanations, theories, and practices along with its investigation, adjudication, and regulation. This course also explores the law of economic and political crimes associated with white collar crime. Students will examine reported cases, case studies, and other materials to investigate the topic of white collar crime - thus gain a foundation for an understanding of this fascinating subject.
CRIJ 4334 Administration of Justice
This course covers contemporary concepts, principles and theories of administration of justice in criminal justice agencies. This course is intended to introduce the student to the views of prominent writers on theories of management and relate them to the field of criminal justice administration. A central intent of this course is to enhance the student’s ability to understand the art and science of organization and administration in criminal justice.

CRIJ 4335 Death Penalty
This course is designed to provide the student with an overview of the death penalty both in the United States and abroad. Special attention is devoted to the history of the death penalty, Supreme Court decisions, and current statutory laws. Contemporary issues surrounding the death penalty including potential flaws in the administration of justice and alternative sanctions such as life without the possibility of parole are also covered.

CRIJ 4336 Special Needs Offen Corr Inst
This course will explore the variety of offenders with special needs in corrections and how correctional officials have responded to the changing prison population. Topics may include but are not limited to: juvenile inmates, female inmates, chronically and mentally ill inmates, substance addicted veterans, death row inmates under protective custody, incarcerated sex offenders, incarcerated veterans, death row inmates, immigrant inmates and inmate radicalization. Importantly, this course provides a deeper understanding of the concept and practice or corrections in 21st century America. Prerequisites: CRIJ 1301.

CRIJ 4337 Ethics in Criminal Justice
This course explores the fundamental concept of fairness throughout the criminal justice system. It examines situations, dilemmas, and problems encountered by persons in all criminal justice agencies/organizations. More specifically, it examines ethical issues in policing, the courts, and in correctional settings. Case scenarios are used to explain and analyze ethical dilemmas. Finally, the course looks at several ethical situations in criminal justice more in-depth, such as interrogation tactics, prosecutorial misconduct and the death penalty.

CRIJ 4338 Crime&Crime Justice-Disaster
The sudden disruption of the normal flow of human activity in the form of disaster gives rise to both prosocial and antisocial behavior. This course focuses on the later and investigates the crime that occurs in the wake of disasters. This course explores the pre-disaster conditions that may give rise to crime, the extent and type of crime that occurs in the wake of disasters, the special challenges of measuring crime during and after a disaster, effective and ineffective responses to disaster crime, both domestically and internationally, and lastly, lingering questions for a criminology of disaster. Prerequisites: CRIJ 1301.

CRIJ 4340 Special Issues in Criminal Jus
An intensive examination of special topics of study in criminal justice. May be repeated for credit if topic changes. Topics may include, but are not limited to, race/ethnicity and crime, crime and the media, trafficking in women and children, quantitative research methods, terrorism, current issues in criminal Justice. One or two credit arrangement must be approved by the CRIJ faculty advisor.

CRIJ 4390 Undergrad Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4490 Undergraduate Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4590 Undergraduate Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4601 Criminal Justice Internship
This course is a supervised internship program for pre-service students only. The course requires the completion of 160 hours of internship service to an agency approved by the Internship Coordinator and the department chair. Internship hours must be completed during the semester in which the student is enrolled in the course. Students must attend class and complete course requirements such as assignments, exams, and a research project. The evaluation of student performance is on a pass/fail basis. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses required for the CRIJ major. Must be taken by CRIJ majors during senior year. Evaluation of performance in this course is on CR/NC basis. Restrictions: Students who are employed in the criminal justice field (or related field) are not eligible to take this course. Volunteer hours completed prior to enrolling in this course will not be counted as internship hours for this course.

CRIJ 4690 Undergraduate Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

GEOG 1301 Physical Geography
An introduction to the earth’s physical environment. An examination of the regional variation of different facets of the environment, including landforms, weather, and climate. The consequences of resource exploitation and environmental concerns are studied. TCCN: GEOG 1301

GEOG 1303 General World Geography
A study of the human geography of the world. An examination and comparison of major cultural geographic themes: population, migration, agriculture, religion, industrialization, urbanization, and political landscapes. TCCN: GEOG 1303
GEOG 2301 Intro to Human Geography
This course is an introduction to the geographic distribution of humans, human activity, and cultures on the Earth. We will explore several topics as they relate to human geography, including population, folk/popular culture, religion, language, ethnicity, politics, agriculture, economic activity and development, and urbanization. Throughout the course, we will explore the impacts of globalization on culture. It is also hoped that students will gain a greater understanding of an appreciation for geography in general, as well as a greater awareness for aspects for human geography that you experience in our globalized world.
TCCN: GEOG 1302

GEOG 3310 Human Impact on the Envrnmnt
This course is an assessment of human impacts on the environment. This class will evaluate the impacts of human society on landscapes, the atmosphere, hydrology, and plants and animals. General themes include population and scarcity, the commons, risks and hazards, markets and commodities, and environmental ethics, among others while specific climate change, the social construction of nature, trees, bottled water, wolves, waste, and meat, to name a few.

GEOG 3314 Texas Geography
A geographical survey of the Lone Star State. This class will examine the environment, population, settlements, land uses, and cultural heritage of the State of Texas through the unifying concept of the region.

GEOG 3350 US Historical Geography
A survey of the changing geography of the United States including initial exploration, European perceptions of North America, diffusion and geographical expansion of the United States to the Pacific, geographical factors underlying the urbanization and industrialization of the nation, and recent population shifts.
Prerequisites: Six hours of history.

GEOG 3351 World History & Geography
A survey of world history focusing on the influence of geography on the course of history. The course includes the development of cartography, the spread of geographical knowledge, and the history of exploration.
Prerequisites: Six hours of history and/or political science.

GEOG 3352 Latin American Historical Geography
A survey of the changing cultural geography of Latin America including pre-Colombian landscapes, early European settlement, migration, and the evolving economic integration into the world economy. Geographical and environmental factors underlying twenty-first-century agricultural and urban problems of Latin America are considered.
Prerequisites: Six hours of history and/or geography, or consent of instructor.

GEOG 3353 Political Geography
The study of the spatial or geographic expression of political phenomena. The primary themes include political regions, boundaries, territorial control, geopolitics, the functioning of the state at multiple scales (from local to national), and international trade and security pacts. Case studies emphasize the political geographies of North America and Latin America.
(Cross-listed with PSCI 3353).

GEOG 3354 GIS for the Social Sciences
This class examines the application of Geographic Information Systems techniques in social science research. The course will provide social scientists with an important analytical skill set that is becoming increasingly important in many professions. GIS is a very powerful tool and this class will present examples of how Geographic Information Systems can be used in the social sciences to conduct sociospatial research.

GEOG 3355 Nat, Cult, & Soci in Mex & Cen
This class is a regional geographic survey of Mexico and Central America’s people, environments, and landscapes. It examines the intersection of culture and the environment by focusing on agriculture, settlement patterns, urbanization, indigenous peoples and ethnic diversity, land rights, migration, commodities, and the current effects globalization in Mexico south to Panama.

GEOG 4301 Introduction to Urban Planning
This course introduces students to the basic principles and concepts of urban planning. A primary focus is the practical skills/techniques associated with the major theories and models of planning. It provides a broad overview of all types of urban planning with emphasis on land use, design, transportation, and environmental and social planning. (Cross-listed with URBS 4301 and PSCI 4301)
Prerequisites: Junior standing or consent of instructor.

GEOG 4340 Special Topics in Geography
This class examines a particular sub-field of geography or a particular geographical issue. May be repeated for credit if the topic changes. Topics may include, but are not limited to, Human Impact on the Environment, Biogeography, Waste and Society, Climate and Climate Change, Computer Cartography, Geostatistics, Geography of Latin American Indigenous Peoples, GPS and Geographic Research Methods, Geography of the US South, and Geography of Middle America.

GEOG 4395 Urban Historical Geography
The study of the continuing evolution of urban landscapes in Western civilization. An examination of urban form and function through time, from Mesopotamian and Greco-Roman cities to industrial and post-industrial cities and suburbs. May be taken for graduate credit. (Cross-listed with HIST 4395 and URBS 4395)

LEDR 2301 Foundations of Leadership
This course introduces students to leadership styles and the multiple definitions of leadership relating to various cultural, professional, civic and social roles. Includes a service learning component. This course is an introductory overview of leadership which must be taken prior to taking other required courses to earn the Certificate in International Leadership.

LEDR 2302 Theories of Leadership & Prac
This class is designed to emphasize the importance of leadership theories and their relevance in our daily lives. Practical application of theories will be a strong focus of the course and the application of theories to real-world situations. In addition, lectures, supplemental readings, and class handouts highlight research and theory for effective leadership across a variety of intercultural contexts. Students will also be required to put theories into practice through group projects and research. Included in this course is a focus on the intercultural principles associated with being a leader and the influences of service and civic engagement to impact positive social change.
Prerequisites: LEDR 2301.
LED 4303 International Leadership Cap
This course explores leadership in an international context and setting. Students participating in this faculty-led study abroad experience will explore international leadership content while immersing themselves in the culture of the site country. Upon return to the United States, students will have one semester to complete an independent project with regular consultation from the faculty member. This capstone will include an analysis of their experiences prior, during and after the trip abroad and will build upon their experiences in other courses from the leadership minor. Students who are unable to travel abroad should consult their advisor and department chair one year in advance to facilitate accommodations to this course.
Prerequisites: Department approval.

LED 4334 Spec Topic in Int’l Leadership
A study abroad or traditional seminar course focused on a topic in cross-cultural leadership from a disciplinary or interdisciplinary perspective. The course can draw from one or a combination of the following disciplines: business, communication, education, history, marketing, political science, philosophy or sociology.
Prerequisites: LEDR 2301 or PSCI 2301.

PSCI 2301 Intro to Political Leadership
An introduction to the political, moral, and cultural factors that have shaped political leadership throughout the ages. Case studies drawn from political and social history to illustrate what makes human leadership unique and investigate why leadership and political organization vary across human societies, both historically and cross-culturally. (Cross-listed with LEDR 2301)

PSCI 2305 American National Government
A survey of national government in the United States with emphasis upon the Constitution, government structure, and processes. European background; federal, state, and interstate relations; rights and obligations of citizens; political parties; group organization; the legislative process; and the executive, judicial, and administrative functions in federal government.
Prerequisites: Completion of Texas Success Initiative (TSI) Reading requirements, ENGL 1301, or appropriate level developmental course sequence.
TCCN: GOVT 2305

PSCI 2306 American State Government
Analysis of state and local government in the United States, with particular emphasis upon the State of Texas. History of state governments; state constitutions; the role of the individual pertaining to the rights and liberties in participation in government; political parties, pressure groups, and the franchised. The state legislature, the governor and state administration, state court system, county municipal organization, and current problems of local government.
Prerequisites: Completion of Texas Success Initiative (TSI) Reading requirements, ENGL 1301, or appropriate level developmental course sequence.
TCCN: GOVT 2306

PSCI 3301 Research Methods in Social Sci
An introduction to the scientific method as applied to social science research. Topics include research methods, research designs, the analysis of data, and basic computer techniques. This course is interchangeable with CRJ 3301 and SOCI 3301.
Prerequisites: Junior or Senior Standing and consent of COAS Advisor.

PSCI 3305 Govt & Politics of Europe
The structures, function, and processes of selected European political systems.

PSCI 3308 Latin American Pol Systems
A comparative analysis of the major political systems of Latin America that emphasizes the role of political cultures, elites, and inter-systematic factors.

PSCI 3310 Studies in Comp Politics
This course will explore the methods of comparative political analysis. The course will emphasize political culture, structural functionalism, formal, legal, group, elite, class, and system approaches.

PSCI 3313 Class&Med Political Phil
A survey and analysis of political thought, theory, and political philosophy from Greek antiquity to the present.

PSCI 3314 Modern Political Philosophy
Fundamentals of political thought, theory, and philosophy since Machiavelli; major contemporary political theories and movements.

PSCI 3320 Congress and the Presidency
This course examines the functions and operations of these two branches of the federal government. How representative is the U. S. Congress? How does the Presidency govern? Moreover, the course explores the nature of the congressional-executive relations.

PSCI 3340 International Law & Org
A survey of the historical development and present role played by international law in the world community, and the formation and operation of international organizations. Organizations to be examined include the United Nations, regional development banks, alliance systems, cartels, common markets, and other international political organizations.

PSCI 3345 Intro to Public Administration
Perceptions of bureaucracy; organizational theory and behavior; administrative leadership and decision making; personnel problems and public unions; agency clientele and public interest; questions of administrative ethics, morality, and accountability; and individual in-depth studies of selected public policies.

PSCI 3350 Intro: Analysis of Publ Policy
Systematic analysis of factors affecting policy-making and implementation at various stages. Theories of decision-making, organizational behavior of bureaucracies, and regulatory alternatives.

PSCI 3353 Political Geography
The study of the spatial or geographic expression of political phenomena. The primary themes include political regions, boundaries, territorial control, geopolitics, the functioning of the state at multiple scales (from local to national), and international trade and security pacts. Case studies emphasize the political geographies of North America and Latin America. (Cross listed with GEOG 3353)

PSCI 4307 The Interamerican System
This course analyzes the development of the modern Interamerican System, with emphasis on international and domestic factors that shape hemispheric pacts like the Organization of the American States (OAS) and sub-regional projects like NAFTA. The course also explores contemporary challenges to political and economic integration in the Americas.
PSCI 4309 Mexican Politics & Government
This course explores the roles of Mexican government institutions, state and local governments, political parties, the military, economic elites and social movements. The course analyzes the evolution of their relationships over time, as well as their influence on domestic and foreign choices.
Prerequisites: Junior or Senior Standing.

PSCI 4310 Drug Trafficking
This course examines the economic and social history of cocaine, heroin, and marijuana along with the evolution of the U.S. led "war on drugs" and international narcotics control efforts. With a focus on Latin America, the class will explore the political economy of the cocaine trade in Mexico, Brazil, Central America, the Caribbean, and the Andean region - Bolivia, Peru, Ecuador, and Colombia. Emphasis will be given to the contemporary phases during the late 1960s to the post-9/11 transformation in the U.S. anti-drug policies and the sponsored “Global War on Terrorism.” Questions such as: Is it possible to end drug trafficking? Has the war on drugs been successful? What have been the unintended consequences of the U.S. punitive anti-drug approach domestically and internationally? Is legalization the path to take? are addressed. Alternative policies to the drug issue will be assessed, exploring the cases of Uruguay, Portugal, and the Netherlands among others.
Prerequisites: Junior or Senior standing.

PSCI 4311 The Constitution and Civil Lib
The parameters of the federal Constitution and civil liberties; rights of citizens against state and federal governments; the nature of due process and the equal protection of the law; freedoms of expression, association and religion. (Cross-listed with CRIJ 4311)

PSCI 4312 Constitution and Crim Pro Law
The Constitution’s limits on government authority to gather evidence and investigate crime by examination of the Fourth Amendment’s limits on search, seizure and arrest; the Fifth Amendment’s privilege against self-incrimination; and the Sixth Amendment’s right to counsel. (Cross-listed with CRIJ 4312)

PSCI 4313 Constitution and Govt Powers
The powers of government, state and federal, under the federal Constitution; relations between branches of the federal government; limitations on governmental authority by virtue of the distribution of power.

PSCI 4320 The Political System of U.S
The institutional dynamics and historical evolution of Congress, the presidency, and the federal courts; ongoing structural changes in American national politics.
Prerequisites: Junior or Senior standing.

PSCI 4321 Special Stud in Political Sci
An intensive examination of special topics of study in political science. May be repeated once when topic changes.

PSCI 4325 International Politics
This course will explore and analyze various topics in international politics. Emphasis will be given to major theories and their application to related areas, issues, and regions. May be repeated once when topic changes.
Prerequisites: Junior or senior standing.

PSCI 4340 American Foreign Policy
A study of the sources of American foreign policy in domestic institutions and public opinion, and in the actions of foreign governments, as a means of elucidating the policy making process.
Prerequisites: Junior or Senior Standing.

PSCI 4351 Senior Seminar in PSCI
This course is the capstone for undergraduate studies in political science. It bridges major sub-fields of political science to identify linkages as well as divergences within the discipline. The course emphasizes contemporary developments in the study of politics by exploring current theoretical approaches, research methods, and emerging issues.
Prerequisites: Political Science majors only and Senior standing.

PSCI 4380 Civic Engagement & Leadership
Civic Engagement and Leadership is an experiential learning course that seeks to make a difference in the civic life of communities and develops students the combination of knowledge, skills, values and motivation to make that difference. Students have multiple options, they may 1) perform hands-on work in the community in service based learning course 2) students can volunteer to work in designated civic engagement and leadership approved programs on campus, 3) students can complete an intensive internship experience, which requires pre-approval from the political science program director. Regardless of what option students choose they must enroll into PSCI 4380.
Prerequisites: Junior or Senior standing.

PSCI 4390 Undergraduate Research in PSCI
This course enables students to engage in independent research on an issue/topic in political science. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit.
Prerequisites: Permission of instructor and either the Director of Political Science or the department chair.

SOCI 1301 Intro to Sociology
A scientific approach to the study of the cultural and social basis for human behavior, including the impact of societal groups and organizations on personal identity, feelings and behavior. Topics for special focus include the individual impact of ethnicity, social class, gender, religion, family structure, peer groups, complex organizations, mass media and educational, political and economic systems.
TCCN: SOCI 1301

SOCI 1306 Cont Social Prob&Social Pol
A survey and analysis of the causes and consequences of major social problems in American Society, such as poverty, environmental pollution, domestic violence and substance abuse. An examination of the effectiveness of current social policies being used to address major American social problems.
TCCN: SOCI 1306
SOCI 3301 Research Methods in Social Sci
An introduction to the scientific method as applied to social science research. Topics include research methods, research designs, the analysis of data, and basic computer techniques. This course is interchangeable with CRIJ 3301 and PSCI 3301. Prerequisites: Junior or Senior Standing and consent of COAS Advisor.

SOCI 3302 Social Welfare&Human Service
An introduction to the helping professions with emphasis on human service organizations, and models of social service delivery. Discourse on current controversial issues, social welfare policies and the code of professional ethics.

SOCI 3304 Sociological Theory
The study of how theories are formulated in social science. Overview of classical and contemporary sociological theories including functionalism, conflict theory, symbolic interactionism, phenomenology and postmodern theory. Prerequisites: SOCI 1301, and three hours of any Sociology course for a total of six credit hours in Sociology.

SOCI 3307 U.S.-Mexico Border Subcultures
Analysis of Spanish, Mexican, and European American cultural influences upon the development of contemporary U.S.-Mexico border subcultures. The implications of Mexican American and new Mexican immigrant subcultures for education and social service delivery.

SOCI 3308 Latin American Cultures
The study of the impact of Spanish and Portuguese colonization upon the indigenous cultures and political economy of Latin America. Analysis of the development of new creole and Latin cultural forms reflecting Iberian, Native American and African heritage in contemporary Central and South America and the Caribbean. (Cross-listed with ANTH 3308)

SOCI 3310 Sociology of Education
This course will introduce the student to sociological perspectives on the institution of education in societies and the educational organizations which this institution generates. Several sociological-theoretical perspectives will be used to analyze this institution and its consequent organizations. The structure, functions, and processes of education will be reviewed. Different societies will be compared with respect to these. It is anticipated that the student will be able to use sociological theory, research methods, data, and concepts to analyze educational organizations to introduce appropriate interventions, and to evaluate the impact of such interventions. The course should be particularly helpful to individuals expecting to work with, and in, educational organizations. However, it should also be valuable to parents and citizens interested in the importance of education in society, community, and individually. (Formerly SOCI 2310)

SOCI 3316 Urban Sociology
The study of the culture, history, and growth patterns of cities, including current trends toward suburbanization and its environmental impact. Examination of the emergence of cities with global or regional orientations and the impact of the decline of manufacturing and emergence of information and technology on city growth. Consideration of housing, budget and other problems faced by cities. Special emphasis on the growth of twin cities along the U. S.-Mexico border. (Cross-listed with URBS 3316)

SOCI 3336 Criminology
The development of criminological thought; critical evaluation of theories of criminality, the study of criminal organization and socialization; and the extent, type, and sources of crime.

SOCI 4310 Social Inequality
Analysis of theory and research on social inequality, its causes and consequences. Special attention will be given to an examination of poverty in the South Texas region. Prerequisites: Junior standing.

SOCI 4311 Marriages&Families
Analysis of the family as an educational and social institution in light of historical relationships and present-day social economic conditions, including a study of family cohesion, adaptability, satisfaction and conflict. Prerequisites: Junior standing.

SOCI 4316 Social Service Internship
The internship is designed to offer supervised on the job training experiences and career opportunities in various settings in health, education, and human service organizations. The course requires the completion of 160 hours of internship service to an agency approved by the Internship Coordinator and the department chair. Students will apply sociological knowledge in a social service setting, attend class and individual conferences with the Internship Coordinator, produce time sheets, reports and a supervisor’s evaluation based on internship performance. Non-Sociology majors may take this course with permission of student’s advisor. Students receive a certificate upon successful completion of the Internship. Evaluation of performance in this course is on CR/NC basis. Prerequisites: Junior standing.

SOCI 4317 Race&Ethnic Relations
Critical analysis of the concepts of race and ethnicity and the changing basis for racial and ethnic identity in the multicultural United States. An examination of patterns of dominant-minority relations in the United States as compared to other world societies. An overview of the history and current social conditions of Native Americans, Hispanic Americans, Asian Americans and European Americans. Prerequisites: Junior standing.

SOCI 4318 Globalization
This course focuses on developing sensitivity to cultural differences, becoming knowledgeable of global issues, and developing the ability to play significant roles in formulating and recommending solutions to contemporary national, transnational and global problems and concerns. Prerequisites: Junior standing.

SOCI 4320 Women in Criminal Just Syst
Analysis of incidence studies and examination of theories about women’s criminality. The study of mass media stereotypes of female offenders and victims; female victimology; issues concerning women who work in police, court, and correctional facilities and criminal justice system processing of women offenders. Interchangeable with CRIJ 4320. Prerequisites: Junior standing.
SOCI 4325 Sociology of Gender Roles
An analysis of the role of biology, cultural socialization, and social institutions in the formulation and maintenance of constructs of masculine and feminine gender in world societies. The study of the social impact of changes in women's and men's roles in postindustrial societies upon the family, the workplace and other major social institutions. The examination of the impact of gender constructs upon familial relationships, spirituality and policy orientations. An evaluation of the positive and negative impact of the women's movement and men's movement upon the status of women and men of different race/ethnicity and social class. (Cross-listed with WGST 4325)
Prerequisites: Junior standing.

SOCI 4330 Sociology of Sexualities
This course examines theory and research of human sexualities. It analyses the social, legal and medical changes connected to sexualities and their implications for individual and the family.

SOCI 4370 Medical Sociology
The role of social and cultural factors in the distribution and causes of disease; doctor-patient relationships; beliefs about health, illness, treatment and recovery; access to health institutions and the organization of health care systems.
Prerequisites: Junior standing.

SOCI 4375 Special Studies in Sociology
An intensive examination of special topics of study in sociology. May be repeated for credit if the topic changes. Topics may include, but are not limited to, the Study of Society, Collective Behavior and Social Movements, Comparative Organizations, Sexualities, Environmental Justice, Sociology of Law, Sociology of Religion, Contemporary U.S. Culture, Institutional Care of the Aged, Immigration issues and Demography.
Prerequisites: SOCI 1301 or six hours of Sociology.

SOCI 4380 Senior Proseminar
Designed to consolidate the academic foundations of Sociology with the transition to becoming a professional sociologist. Highlights are: review of the major sociological theories and methods of conducting research, core concepts, communication skills, career development, the code of ethics, job opportunities, and effective assertiveness. This capstone experience, required of all sociology majors, includes weekly seminar meetings with faculty. Prospective graduate students from non-Sociology majors are required to take this course as a prework.
Prerequisites: Senior standing in sociology.

SOCI 4385 Child Maltreatment
This course examines theory and research on child abuse and neglect with a focus on interventions for offenders and victims.
Prerequisites: Junior standing.

SOCI 4390 Domestic Violence
Analysis of theory and research on the prevalence of domestic violence and its patterns and dynamics. An examination of preventative education and interventions for offenders and victims. Special focus will be placed upon multicultural populations.

SOCI 4616 Social Service Internship
The internship is designed to offer supervised on the job training experiences and career opportunities in various settings in health, education, and human service organizations. Students will apply sociological knowledge in a social service setting, attend class and individual conferences with Internship Coordinator, produce time sheets, reports and a supervisor's evaluation based on internship performance. Non-Sociology majors may take this course with permission of students' advisor. Students receive a certificate upon successful completion of the Internship. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Junior standing.

SOST 4391 Topics in Social Studies
A general survey of social studies that emphasizes content relevant to public school teachers. The primary subject matter of this interdisciplinary course is economics, political science, history, geography, culture and society. This course may not be taken as an elective.

WGST 2301 Intro Women's & Gender Studies
A multidisciplinary introduction to the study of the gender images of masculinity and femininity. Topics will be framed in a historical perspective and may include how gender affects family dynamics, school and organizational settings, gender roles, sexual identity, verbal communication, the media, and power and violence.

WGST 2302 Intro to LGBTQ Studies
This interdisciplinary course introduces concepts and theories within LGBTQ Studies. Topics include issues related to lesbian, gay, bisexual, transgender, and queer communities. The central focus is to examine, challenge, and destabilize normative conceptualizations and representations of gender and sexuality. This class emphasizes different aspects of LGBTQ studies including history, queer theory, popular culture, media, and literature. Course work centers on complicating notions of queer identity through intersections of race, class, gender, and globalization.

WGST 3301 Topics in Women's Studies
An in-depth study of an issue of significance in the field of Women's Studies. This course may deal with issues including history, literature, art, social or behavioral sciences, communication, business, or education. May be repeated once when the topic changes.

WGST 3302 Topics in Gender Studies
An in-depth study of an issue of significance in the field of Gender Studies. This course may deal with issues including history, literature, art, social or behavioral science, communication, business, or education. May be repeated once when the topic changes.

WGST 4325 Sociology of Gender Roles
An analysis of the role of biology, cultural socialization, and social institutions in the formulation and maintenance of constructs of masculine and feminine gender in world societies. The study of the social impact of changes in women's and men's roles in postindustrial societies upon the family, the workplace and other major social institutions. The examination of the impact of gender constructs upon familial relationships, spirituality and policy orientations. An evaluation of the positive and negative impact of the women's movement and men's movement upon the status of women and men of different race/ethnicity and social class. May be taken for graduate credit. (Cross-listed with SOCI 4325).
Prerequisites: Junior standing.
WGST 4399 Senior Sem: Women & Gender Stud
Students will examine theoretical readings in Women’s Studies and Gender Studies and will develop interdisciplinary, independent projects.
Prerequisites: WGST 2301 or 2302, and nine hours of Women’s and Gender Studies electives.

Bachelor of Applied Arts and Sciences (BAAS)

Degree Requirements

Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the “Requirements for Graduation (p. 36)” section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”</td>
<td>42</td>
</tr>
<tr>
<td>Math Elective</td>
<td>Select 3 SCH from any math course above the level of College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
<td>1</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td>Students who meet the university’s foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
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<tr>
<td>Major</td>
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<tr>
<td></td>
<td>COMM 3000-4000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 3301</td>
<td>Advanced Composition-WIN</td>
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<tr>
<td></td>
<td>or ENGL 4313</td>
<td>Advanced English Grammar</td>
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<td></td>
<td>Select 9 SCH of Social Sciences from any ANTH, CRIJ, PSCI or SOCI at 3000-4000 level</td>
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<tr>
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<td>Select 3 SCH from the following Advanced Statistics:</td>
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<tr>
<td></td>
<td>CRIJ 3301</td>
<td>Research Methods in Social Sci</td>
</tr>
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<td>PSCI 3301</td>
<td>Research Methods in Social Sci</td>
</tr>
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<td>SOCI 3301</td>
<td>Research Methods in Social Sci</td>
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<td>Required Course</td>
<td>COMM 4360</td>
<td>Comm Theory &amp; Practice</td>
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<td>General Electives</td>
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Select 20 SCH from any discipline, with no more than 9 SCH in the concentration, outside the College of Nursing and Health Sciences, at least 18 of which must be at the 3000-4000 level

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<tr>
<th>Vocational Technical Field</th>
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</thead>
<tbody>
<tr>
<td>Total Semester Credit Hours</td>
<td>120</td>
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</table>

* TCLEOSE certification training may be applied to the Vocational Technical Field in the Criminal Justice concentration with the approval of the Criminal Justice Advisor. Documentation of successful completion of the Basic Police Academy and proof of passing the Texas Basic Peace Officer Licensing Examination must be provided.

Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
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<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
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<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
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<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
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<tr>
<td>VTF - Vocational Technical Field</td>
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Spring

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<tbody>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
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<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
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<tr>
<td>UNIV 2310</td>
<td>Found Civic Engage &amp; Social Chng</td>
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<tr>
<td>MATH - Math Elective</td>
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<td>VTF - Vocational Technical Field</td>
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Sophomore

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<td>VTF - Vocational Technical Field</td>
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<tr>
<td>Language, Philosophy &amp; Culture</td>
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<tr>
<td>Life &amp; Physical Science</td>
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<td>Life &amp; Physical Science Lab</td>
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<td>Semester Credit Hours</td>
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Spring

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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>PSCI 2306</td>
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<tr>
<td>VTF - Vocational Technical Field</td>
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<tr>
<td>Creative Arts</td>
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</table>
Soc/Behavioral Science 3
Life & Physical Science 3
Life & Physical Science Lab 1

Semester Credit Hours 16

Junior
Fall
VTF - Vocational Technical Field 3
Advanced Communication/English 3
Advanced Social Science 3
Foreign Language/Study Abroad 3
General Elective 2

Semester Credit Hours 14

Spring
Advanced Communication/English 3
Advanced Communication/English 3
Advanced General Elective 3
Foreign Language/Study Abroad 3
Research Methods 3

Semester Credit Hours 15

Senior
Fall
Advanced Communication/English 1
Advanced General Elective 3
Advanced General Elective 3
Advanced General Elective 3
Advanced Social Science 3

Semester Credit Hours 15

Spring
COMM 4360  Comm Theory&Practice 3
Advanced General Elective 3
Advanced General Elective 3
Advanced Social Science 3

Semester Credit Hours 12

Total Semester Credit Hours 120

* TCLEOSE certification training may be applied to the Vocational Technical Field in the Criminal Justice concentration with the approval of the Criminal Justice Advisor. Documentation of successful completion of the Basic Police Academy and proof of passing the Texas Basic Peace Officer Licensing Examination must be provided.

Bachelor of Applied Arts and Sciences Criminal Justice Concentration (BAAS)

Degree Requirements
Hours Required
120

for Graduation (p. 36) section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
<thead>
<tr>
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<td>[University Core Curriculum] (p. 436)</td>
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<td>42</td>
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<tr>
<td>ENGL 3302</td>
<td>Writing in the Disciplines-WIN</td>
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<td>SOCI 3336</td>
<td>Criminology</td>
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<td>Research Methods, select one from the following:</td>
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<tr>
<td>CRIJ 3301</td>
<td>Research Methods in Social Sci</td>
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<td>SOCI 3301</td>
<td>Research Methods in Social Sci</td>
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<tr>
<td>CRIJ 4321</td>
<td>Senior Pro-Seminar-WIN</td>
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<td>CRIJ 4325</td>
<td>Statistics in Criminal Justice</td>
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<tr>
<td>Select 18 SCH from 3000-4000 level CRIJ</td>
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General Electives

Select 24 SCH from any discipline, with no more than 9 SCH in the concentration, outside the College of Nursing and Health Sciences, at least 12 of which must be at the 3000-4000 level 24

Vocational Technical Field

Select 21 SCH 21

Total Semester Credit Hours 120

Freshman
Fall
ENGL 1301  English Composition I 3
HIST 1301  The US to 1877 3
MATH 1314  College Algebra 3
UNIV 1201  Learn a Global Context I 2
VTF - Vocational Technical Field 3
Creative Arts 3

Semester Credit Hours 17
Bachelor of Arts with Majors in Criminal Justice and Political Science (BA)

Degree Requirements

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

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<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td>Math Elective</td>
<td>Select 3 SCH from any math course above the level of College Algebra. MATH 1342 strongly recommended</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
<td>1</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td>Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
<td>6</td>
</tr>
<tr>
<td>Criminal Justice Major</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Undergraduate Information

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 3336</td>
<td>Criminology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3301</td>
<td>Research Methods in Social Sci</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 3301</td>
<td>Research Methods in Social Sci</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 3301</td>
<td>Research Methods in Social Sci</td>
<td>3</td>
</tr>
</tbody>
</table>

**Lower level Criminal Justice elective**

Select one from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 1306</td>
<td>Courts &amp; Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 2313</td>
<td>Correctional Systems &amp; Practice</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 2328</td>
<td>Police Systems &amp; Practices</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 12 SCH from CRIJ 3000-4000 (9 SCH may be at the graduate level for BS/MS CRIJ students)

**Political Science Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 2301</td>
<td>Intro to Political Leadership</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4351</td>
<td>Senior Seminar in PSCI</td>
<td>3</td>
</tr>
</tbody>
</table>

**American Politics**

Select 6 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3320</td>
<td>Congress and the Presidency</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4311</td>
<td>The Constitution and Civil Lib</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4312</td>
<td>Constitution and Crim Pro Law</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4313</td>
<td>Constitution and Govt Powers</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4320</td>
<td>The Political System of U.S</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
<td>3</td>
</tr>
</tbody>
</table>

**Constitutional Law**

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 4311</td>
<td>The Constitution and Civil Lib</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4313</td>
<td>Constitution and Govt Powers</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
<td>3</td>
</tr>
</tbody>
</table>

**Political Philosophy**

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3313</td>
<td>Class &amp; Med Political Phil</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3314</td>
<td>Modern Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
<td>3</td>
</tr>
</tbody>
</table>

**Comparative Politics**

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3305</td>
<td>Govt &amp; Politics of Europe</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3308</td>
<td>Latin American Pol Systems</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3310</td>
<td>Studies in Comp Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
<td>3</td>
</tr>
</tbody>
</table>

**International Politics**

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3340</td>
<td>International Law &amp; Org</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4307</td>
<td>The Interamerican System</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4309</td>
<td>Mexican Politics &amp; Government</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4310</td>
<td>Drug Trafficking</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4335</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4340</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 9 SCH from the 3000-4000 level (or higher for BA/MA students) not used for any other requirement

---

**General Elective**

Select 2 SCH

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
</table>

Total Semester Credit Hours 120

* When the topic is related to sub-field; course may be repeated when content changes.

Note: All CRIJ majors must first satisfy the lower level CRIJ courses or their junior/community college equivalents in the sequence indicated before enrolling in advanced courses.

BA/MA, BS/MS Option: See Combined BA/MA, BS/MS Programs in this section

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1303</td>
<td>General World Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
</tbody>
</table>

Semester Credit Hours 17

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 1301</td>
<td>Intro to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>MATH - Math Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Credit Hours 15

**Sophomore**

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ - Lower Level Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Semester Credit Hours 16

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 2329</td>
<td>Fundamentals of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2301</td>
<td>Intro to Political Leadership</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
### Life & Physical Science Lab
- **Semester Credit Hours**: 1

### Junior
#### Fall
- **Code**: SOCI 3336
- **Title**: Criminology
- **Credit**: 3
- **Code**: CRIJ - Research Methods
- **Credit**: 3
- **Code**: CRIJ - Advance CRIJ Elective
- **Credit**: 3
- **Code**: PSCI - American Politics
- **Credit**: 3
- **Code**: PSCI - American Politics
- **Credit**: 3
- **Semester Credit Hours**: 16

### Spring
- **Code**: CRIJ 4325
- **Title**: Statistics in Criminal Justice
- **Credit**: 3
- **Code**: CRIJ - Advance CRIJ Elective
- **Credit**: 3
- **Code**: PSCI - Constitutional Law
- **Credit**: 3
- **Code**: PSCI - Political Philosophy
- **Credit**: 3
- **Code**: PSCI - Comparative Politics
- **Credit**: 3
- **Semester Credit Hours**: 15

### Senior
#### Fall
- **Code**: CRIJ - Advance CRIJ Elective
- **Credit**: 3
- **Code**: PSCI - Advance PSCI Elective
- **Credit**: 3
- **Code**: PSCI - International Politics
- **Credit**: 3
- **Code**: PSCI - International Politics
- **Credit**: 3
- **Code**: General Elective
- **Credit**: 2
- **Semester Credit Hours**: 15

#### Spring
- **Code**: CRIJ 4321
- **Title**: Senior Pro-Seminar-WIN
- **Credit**: 3
- **Code**: PSCI 4351
- **Title**: Senior Seminar in PSCI
- **Credit**: 3
- **Code**: CRIJ - Advance CRIJ Elective
- **Credit**: 3
- **Code**: PSCI - Advance PSCI Elective
- **Credit**: 3
- **Semester Credit Hours**: 14

### Total Semester Credit Hours
- **Credit**: 120

---

**Actual degree plans may vary depending on availability of courses in a given semester.**

**Some courses may require prerequisites not listed.**

### Bachelor of Arts with a Major in History and Political Science (BA)

#### Degree Requirements

#### Hours Required
- A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.
**Undergraduate Information**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 4391</td>
<td>Seminar in World History</td>
</tr>
<tr>
<td>HIST 4392</td>
<td>Seminar in European History</td>
</tr>
<tr>
<td>HIST 4393</td>
<td>Sem. in Latin American History</td>
</tr>
<tr>
<td>HIST 4394</td>
<td>Seminar in Eastern History</td>
</tr>
</tbody>
</table>

**US History**

Select 9 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3310</td>
<td>Military History of the US</td>
</tr>
<tr>
<td>HIST 3341</td>
<td>U.S. Cultural History</td>
</tr>
<tr>
<td>HIST 3370</td>
<td>U.S. Women's History</td>
</tr>
<tr>
<td>HIST 3354</td>
<td>U.S. Historical Biography</td>
</tr>
<tr>
<td>HIST 3355</td>
<td>U.S. History and Film</td>
</tr>
<tr>
<td>HIST 3371</td>
<td>History of US Workers</td>
</tr>
<tr>
<td>HIST 3375</td>
<td>U.S. Southern History</td>
</tr>
<tr>
<td>HIST 3380</td>
<td>Intellectual History of the US</td>
</tr>
<tr>
<td>HIST 3381</td>
<td>Sport and US History</td>
</tr>
<tr>
<td>HIST 3385</td>
<td>Mexican American History</td>
</tr>
<tr>
<td>HIST 3387</td>
<td>U.S. Immigration History</td>
</tr>
<tr>
<td>HIST 4316</td>
<td>Colonial America: Dis-1763</td>
</tr>
<tr>
<td>HIST 4317</td>
<td>Am Rev/Early Nat Era 1763-1815</td>
</tr>
<tr>
<td>HIST 4318</td>
<td>Age of Jackson to Civil War</td>
</tr>
<tr>
<td>HIST 4350</td>
<td>North American Borderlands</td>
</tr>
<tr>
<td>HIST 4366</td>
<td>United States, 1865-1914</td>
</tr>
<tr>
<td>HIST 4367</td>
<td>United States, 1914-1945</td>
</tr>
<tr>
<td>HIST 4368</td>
<td>United States Since 1945</td>
</tr>
<tr>
<td>HIST 4390</td>
<td>Seminar in US History</td>
</tr>
</tbody>
</table>

**Political Science Major**

PSCI 2301  Intro to Political Leadership  3
PSCI 3301  Research Methods in Social Sci  3
PSCI 4351  Senior Seminar in PSCI  3

**American Politics**

Select 6 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3320</td>
<td>Congress and the Presidency</td>
</tr>
<tr>
<td>PSCI 4311</td>
<td>The Constitution and Civil Lib</td>
</tr>
<tr>
<td>PSCI 4312</td>
<td>Constitution and Crim Pro Law</td>
</tr>
<tr>
<td>PSCI 4313</td>
<td>Constitution and Govt Powers</td>
</tr>
<tr>
<td>PSCI 4320</td>
<td>The Political System of U.S</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
</tr>
</tbody>
</table>

**Constitutional Law**

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 4311</td>
<td>The Constitution and Civil Lib</td>
</tr>
<tr>
<td>PSCI 4313</td>
<td>Constitution and Govt Powers</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
</tr>
</tbody>
</table>

**Political Philosophy**

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3313</td>
<td>Class&amp;Med Political Phil</td>
</tr>
<tr>
<td>PSCI 3314</td>
<td>Modern Political Philosophy</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
</tr>
</tbody>
</table>

**Comparative Politics**

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3305</td>
<td>Govt &amp; Politics of Europe</td>
</tr>
<tr>
<td>PSCI 3308</td>
<td>Latin American Pol Systems</td>
</tr>
<tr>
<td>PSCI 3310</td>
<td>Studies in Comp Politics</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
</tr>
</tbody>
</table>

**International Politics**

Select 3 SCH from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3340</td>
<td>International Law &amp; Org</td>
</tr>
<tr>
<td>PSCI 4307</td>
<td>The Interamerican System</td>
</tr>
<tr>
<td>PSCI 4309</td>
<td>Mexican Politics &amp; Government</td>
</tr>
<tr>
<td>PSCI 4310</td>
<td>Drug Trafficking</td>
</tr>
<tr>
<td>PSCI 4321</td>
<td>Special Stud in Political Sci</td>
</tr>
<tr>
<td>PSCI 4335</td>
<td>International Politics</td>
</tr>
<tr>
<td>PSCI 4340</td>
<td>American Foreign Policy</td>
</tr>
</tbody>
</table>

Select 6 SCH at the 3000-4000 level (or higher for BA/MA students) not used for any other requirement  6

**General Electives**

Select 5 SCH  5

Total Semester Credit Hours  120

* When the topic is related to sub-field; course may be repeated when content changes.

**Four-Year Degree Plan**

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online (p. 36).

**Freshman**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fall Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
</tr>
<tr>
<td>MATH Core Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Creative Arts</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fall Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1302</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>The US since 1877</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2306</td>
<td>American State Government</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sophomore**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fall Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2321</td>
<td>Eastern Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2301</td>
<td>Intro to Political Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelor of Arts with a Major in Political Science (BA)

Degree Requirements

Hours Required

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Math Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select 3 SCH from any math course above the level of College Algebra. (MATH 1342, Introductory Statistics, strongly recommended)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Major</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>American Politics</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PSCI - American Politics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Language, Philosophy &amp; Culture</td>
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<td>Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMU-approved study abroad program while living for at least 4 weeks in another country.</td>
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<td>PSCI 4311 The Constitution and Civil Lib</td>
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<td>PSCI 4312 Constitution and Crim Pro Law</td>
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<td>PSCI 4313 Constitution and Govt Powers</td>
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<td>PSCI 4320 The Political System of U.S</td>
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<td>PSCI 4321 Special Stud in Political Sci</td>
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<tr>
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<td>PSCI 4311 The Constitution and Civil Lib</td>
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<td>PSCI 4321 Special Stud in Political Sci</td>
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</table>

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.
### Political Philosophy
Select 3 SCH from the following:  
- PSCI 3313  Class&Med Political Phil  
- PSCI 3314  Modern Political Philosophy  
- PSCI 4321  Special Stud in Political Sci *

### Comparative Politics
Select 3 SCH from the following:  
- PSCI 3305  Govt & Politics of Europe  
- PSCI 3308  Latin American Pol Systems  
- PSCI 3310  Studies in Comp Politics  
- PSCI 4321  Special Stud in Political Sci *

### International Politics
Select 6 SCH from the following:  
- PSCI 3340  International Law & Org  
- PSCI 4307  The Interamerican System  
- PSCI 4310  Drug Trafficking  
- PSCI 4309  Mexican Politics & Government  
- PSCI 4321  Special Stud in Political Sci  
- PSCI 4335  International Politics  
- PSCI 4340  American Foreign Policy

Select 6 SCH at the 3000-4000 level (or higher for BA/MA students) not used for any other requirement

### Minor
Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences

### General Electives
Select 14 SCH, at least 9 of which must be at the 3000-4000 level. Students who do not elect to have a minor curriculum may use up to 9 hours of the resulting general electives in their major curriculum

Total Semester Credit Hours 120

* When the topic is related to sub-field; course may be repeated when content changes.

### Four-Year Degree Plan
Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online (p. 36).

#### Freshman

**Fall**
- ENGL 1301  English Composition I  
- GEOG 1303  General World Geography  
- HIST 1301  The US to 1877

**Semester Credit Hours** 12

#### Sophomore

**Fall**
- PSCI 2305  American National Government  
- Creative Arts 3  
- Foreign Language/Study Abroad 3  
- Language, Philosophy & Culture 3  
- Life & Physical Science 3  
- Life & Physical Science Lab 1

**Semester Credit Hours** 16

**Spring**
- PSCI 2301  Intro to Political Leadership 3  
- PSCI 2306  American State Government 3  
- Foreign Language/Study Abroad 3  
- Minor/General Elective 3  
- Life & Physical Science 3  
- Life & Physical Science Lab 1

**Semester Credit Hours** 16

#### Junior

**Fall**
- PSCI 3301  Research Methods in Social Sci 3  
- PSCI - American Politics 3  
- PSCI - American Politics 3  
- General Elective 2  
- Advance Minor/Advance General Elective 3

**Semester Credit Hours** 14

**Spring**
- PSCI - Constitutional Law 3  
- PSCI - Political Philosophy 3  
- PSCI - Advanced PSCI Elective 3  
- Advance Minor/Advance General Elective 3  
- Advanced General Elective 3

**Semester Credit Hours** 15

#### Senior

**Fall**
- PSCI - Comparative Politics 3  
- PSCI - International Politics 3  
- PSCI - International Politics 3  
- Advance Minor/Advance General Elective 3

**Semester Credit Hours** 15

* Texas A&M International University 2021-2022 Catalog
### Bachelor of Arts with a Major in Sociology (BA)

#### Degree Requirements

**Hours Required**

A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)” section of this catalog.

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<th>Semester Credit Hours</th>
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<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td>Math Elective</td>
<td>MATH 1342  Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
<td>1</td>
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<tr>
<td>Foreign Language</td>
<td>Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university’s foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMIU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
<td>6</td>
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<tr>
<td>Major</td>
<td>SOCI 1301  Intro to Sociology</td>
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<tr>
<td></td>
<td>SOCI 1306  Cont Social Prob&amp;Social Pol</td>
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<tr>
<td></td>
<td>SOCI 3301  Research Methods in Social Sci</td>
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<tr>
<td></td>
<td>SOCI 3304  Sociological Theory</td>
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<td>SOCI 4310  Social Inequality</td>
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<tr>
<td></td>
<td>or SOCI 4317  Race&amp;Ethnic Relations</td>
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</tr>
<tr>
<td></td>
<td>SOCI 4380  Senior Proseminar</td>
<td>3</td>
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</table>

**Electives**

Select 15 SCH from any 3000-4000 level SOCI

**Minor**

Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

**Electives**

Select 17 SCH, at least 15 of which must be at the 3000-4000 level. Students who do not elect to have a minor curriculum may use up to 9 hours of the resulting general electives in their major curriculum.

**Total Semester Credit Hours**

120

* BA/MA Option: See Combined BA/MA Programs in this section

## Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online (p. 36).

<table>
<thead>
<tr>
<th>Semester</th>
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<td>ENGL 1301</td>
<td>English Composition I</td>
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<td>HIST 1301</td>
<td>The US to 1877</td>
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<td>MATH 1314</td>
<td>College Algebra</td>
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<td>SOCI 1301</td>
<td>Intro to Sociology</td>
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<td></td>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
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<td>Social/Behavioral Science</td>
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<td>Semester Credit Hours</td>
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<td>Spring</td>
<td>ENGL 1302</td>
<td>English Composition II</td>
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<td></td>
<td>HIST 1302</td>
<td>The US Since 1877</td>
<td>3</td>
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<td></td>
<td>MATH 1342</td>
<td>Introductory Statistics</td>
<td>3</td>
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<td></td>
<td>SOCI 1306</td>
<td>Cont Social Prob&amp;Social Pol</td>
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<td>Signature Course</td>
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<td>Sophomore Fall</td>
<td>PSCI 2305</td>
<td>American National Government</td>
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* See information on the combined BA/MA in Political Science.

Students who do not elect to have a minor curriculum may use up to 9 hours of their available electives in additional courses in their major curriculum.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.
Bachelor of Science in Criminal Justice (BSCJ)

Degree Requirements

Hours Required
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Requirements

<table>
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<th>Code</th>
<th>Title</th>
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<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
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<tr>
<td>Life &amp; Physical Science Lab</td>
<td>Select 1 SCH compatible with a Life &amp; Physical Science course</td>
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</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td>Select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus, students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMIU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
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<tr>
<td>Social/Behavior Science Elective</td>
<td>Select 9 SCH from any 3000-4000 level ANTH/CRIJ/ECO/EGOG/HIST/PHIL/PSCI/PSYC/SOCI/URBS/WGST</td>
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<tr>
<td>Major</td>
<td>CRIJ 1301 Intro to Criminal Justice</td>
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<td>CRIJ 1306 Courts &amp; Criminal Procedure</td>
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<td>CRIJ 2313 Correctional Systems &amp; Practice</td>
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<td>CRIJ 2328 Police Systems &amp; Practices</td>
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<td>CRIJ 2329 Fundamentals of Criminal Law</td>
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<td>CRIJ 4321 Senior Pro-Seminar-WIN</td>
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<td>CRIJ 4325 Statistics in Criminal Justice</td>
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<td>SOCI 3336 Criminology</td>
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<td>Select 3 SCH from the following:</td>
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</table>
CRIJ 3301  Research Methods in Social Sci
PSCI 3301  Research Methods in Social Sci
SOCI 3301  Research Methods in Social Sci

Select 12 SCH from any 3000-4000 level CRIJ. All CRIJ majors must first satisfy the lower level CRIJ courses or their junior/community college equivalents in the sequence indicated before enrolling in advanced.

Minor

Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

Electives

Select 5 SCH at the 3000-4000 level. Students who do not elect to have a minor curriculum may use up to 9 hours of their available electives in additional courses in their major curriculum.

Total Semester Credit Hours 120

*Note: All CRIJ majors must first satisfy the lower level CRIJ courses or their junior/community college equivalents in the sequence indicated before enrolling in advanced courses.

BA/MA Option: See Combined BA/MA Programs in this section.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall

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<th>Course</th>
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<td>HIST 1301 The US to 1877</td>
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<td>MATH 1314 College Algebra</td>
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<td>CRIJ 1301 Intro to Criminal Justice</td>
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<td>UNIV 1201 Learn a Global Context I</td>
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<tr>
<td>Social/Behavioral Science</td>
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Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 1302 English Composition II</td>
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<tr>
<td>HIST 1302 The US Since 1877</td>
<td>3</td>
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<td>CRIJ 1306 Courts &amp; Criminal Procedure</td>
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<td>UNIV 1302 Signature Course</td>
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<td>Creative Arts</td>
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<td>Semester Credit Hours</td>
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Sophomore

Fall

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<tr>
<td>PSCI 2305 American National Government</td>
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CRIJ 2313 Correctional Systems & Practice 3
Language, Philosophy & Culture 3

Life & Physical Science 3
Life & Physical Science Lab 1
Minor/General Elective 3

Semester Credit Hours 16

Spring

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PSCI 2306 American State Government</td>
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<td>CRIJ 2328 Police Systems &amp; Practices</td>
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<td>CRIJ 2329 Fundamentals of Criminal Law</td>
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<td>Life &amp; Physical Science</td>
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<td>Minor/General Elective</td>
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<td>Semester Credit Hours</td>
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Junior

Fall

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<td>SOCI 3336 Criminology</td>
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<td>CRIJ - Adv CRIJ Elective</td>
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<tr>
<td>Adv Soc/Behavioral Science</td>
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<td>Foreign Lang/Study Abroad</td>
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Spring

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<td>CRIJ - Adv CRIJ Elective</td>
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<td>CRIJ - Research Methods</td>
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<td>Adv Minor/General Elective</td>
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<td>Adv Minor/General Elective</td>
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<td>Foreign Lang/Study Abroad</td>
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</table>

Senior

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 4325 Statistics in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ - Adv CRIJ Elective</td>
<td>3</td>
</tr>
<tr>
<td>Adv Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Adv General Elective</td>
<td>2</td>
</tr>
<tr>
<td>Adv Soc/Behavioral Science</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>14</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 4321 Senior Pro-Seminar-WIN</td>
<td>3</td>
</tr>
<tr>
<td>Adv Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ - Adv CRIJ Elective</td>
<td>3</td>
</tr>
<tr>
<td>Adv Soc/Behavioral Science</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 120

Texas A&M International University 2021-2022 Catalog
* General electives, 5 SCH at the 3000-4000 level from any discipline, except the major field, outside the College of Nursing and Health Sciences.

NOTE 1: See information on the combined BS/MS in Criminal Justice.
NOTE 2: Students who do not elect to have a minor curriculum may use up to 9 hours of their available electives in additional courses in their major curriculum.

Actual degree plans may vary depending on availability of courses in a given semester.
Some courses may require prerequisites not listed.

Anthropology Minor
MINOR CURRICULUM - ANTHROPOLOGY

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 2302</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 2346</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 3302</td>
<td>Indians of North America</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3303</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3305</td>
<td>North American Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4301</td>
<td>Special Topics in Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4302</td>
<td>Myth, Magic and Religion</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4303</td>
<td>Archaeology Reality&amp;Fantasies</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4304</td>
<td>Food and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4351</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following courses: 3
- GEOG 3310 Human Impact on the Envrmnt
- GEOG 3353 Political Geography
- GEOG 3355 Nat, Cult, & Soc in Mex & Cen
- SOCI 3304 Sociological Theory
- SOCI 4317 Race&Ethnic Relations
- SOCI 4330 Sociology of Sexualities

Total Semester Credit Hours 18

Geography Minor
Minor Curriculum - Geography

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 1301</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1303</td>
<td>General World Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3354</td>
<td>GIS for the Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 4301</td>
<td>Special Topics in Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 3310</td>
<td>Environmental/Natural Res Con</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3310</td>
<td>Human Impact on the Envrmnt</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3314</td>
<td>Texas Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3350</td>
<td>US Historical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3352</td>
<td>Latin American Historical Geog</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/PSCI 3353</td>
<td>Political Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3355</td>
<td>Nat, Cult, &amp; Soc in Mex &amp; Cen</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4340</td>
<td>Special Topics in Geography</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 3316</td>
<td>Urban Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 18

International Leadership Minor
Minor Curriculum - International Leadership

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEDR 2301</td>
<td>Foundations of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 4302</td>
<td>Theories of Leadership &amp; Prac</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 4303</td>
<td>International Leadership Cap</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 4334</td>
<td>Spec Topic in Int'l Leadership</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEDR 2301</td>
<td>Foundations of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3308</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3320</td>
<td>Teamwork and Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4320</td>
<td>Trends in International Comm</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4325</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4340</td>
<td>Communication Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3317</td>
<td>Renais. to Contemp. Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 4310</td>
<td>International Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>
Political Science Minor

Minor Curriculum - Political Science

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3305</td>
<td>Govt &amp; Politics of Europe</td>
<td>3</td>
</tr>
<tr>
<td>or PSCI 3310</td>
<td>Studies in Comp Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 3313</td>
<td>Class&amp;Med Political Phil</td>
<td>3</td>
</tr>
<tr>
<td>or PSCI 3314</td>
<td>Modern Political Philosophy</td>
<td></td>
</tr>
</tbody>
</table>

Select one from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3320</td>
<td>Congress and the Presidency</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4312</td>
<td>Constitution and Crim Pro Law</td>
<td></td>
</tr>
<tr>
<td>PSCI 4313</td>
<td>Constitution and Govt Powers</td>
<td></td>
</tr>
<tr>
<td>PSCI 4320</td>
<td>The Political System of U.S</td>
<td></td>
</tr>
<tr>
<td>PSCI 4335</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>or PSCI 4340</td>
<td>American Foreign Policy</td>
<td></td>
</tr>
</tbody>
</table>

Select six hours from any 3000 or 4000-level PSCI electives 6

Total Semester Credit Hours 18

PreLaw Minor

Minor Curriculum - PreLaw

Required Courses

Select nine hours from the following: 9

**Group 1**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 2329</td>
<td>Fundamentals of Criminal Law</td>
<td></td>
</tr>
<tr>
<td>PHIL 2301</td>
<td>Introduction to Logic</td>
<td></td>
</tr>
<tr>
<td>BA 3310</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>CRIJ/PSCI 4311</td>
<td>The Constitution and Civil Lib</td>
<td></td>
</tr>
</tbody>
</table>

Select nine hours from the following (or any course from Group 1): 9

**Group 2**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 4323</td>
<td>Communication Law</td>
<td></td>
</tr>
<tr>
<td>CRIJ/PHIL 3302</td>
<td>Philosophy of Law</td>
<td></td>
</tr>
<tr>
<td>CRIJ 3306</td>
<td>Law &amp; Society</td>
<td></td>
</tr>
<tr>
<td>CRIJ/PSCI 4312</td>
<td>Constitution and Crim Pro Law</td>
<td></td>
</tr>
<tr>
<td>PSCI 3340</td>
<td>International Law &amp; Org</td>
<td></td>
</tr>
<tr>
<td>PSCI 4313</td>
<td>Constitution and Govt Powers</td>
<td></td>
</tr>
<tr>
<td>PSCI 4326</td>
<td>The Judicial Process</td>
<td></td>
</tr>
</tbody>
</table>

18

College of Education

College of Education (COE)

The mission of the College of Education is to prepare highly effective, culturally competent educational and clinical professionals who are equipped to assume leadership roles in a global society.

General Requirements for Undergraduate Degrees

See Academic Regulations - Undergraduate (p. 36) for specific TAMIU regulations.

Graduation Requirements for the College of Education

In order to graduate from the College of Education, all teacher candidates must complete the program with:

- complete all coursework in the degree plan with a grade of "C" or better;
- be in good standing in the College of Education;
have all program/specialization/major “D’s” and “F’s” retaken;
• have all incomplete grades converted to a “C” or better; and
• have all holds removed.

Important notice: As the State Board for Educator Certification makes changes in the certification framework, degree plans may be subject to change. Any changes made by the state in interpreting the rulings on educator certification programs in Texas may supersede the requirements of the existing degree plan, certification or deficiency plan, with or without notice in this catalog.

Grading Policies
The College of Education has adopted the following grading scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>D</td>
<td>60-69</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
</tr>
<tr>
<td>FN</td>
<td>Failure for Non-Attendance</td>
</tr>
<tr>
<td>S/CR/P</td>
<td>Satisfactory/credit/pass</td>
</tr>
<tr>
<td>U/NC</td>
<td>Unsatisfactory/Non-credit</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
</tr>
<tr>
<td>W</td>
<td>Dropped or withdrew</td>
</tr>
<tr>
<td>WS</td>
<td>Withdrew (counts towards 6-Drop Policy)</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
</tbody>
</table>

Educator Preparation Program (EPP)
The College of Education Educator Preparation Programs is accredited by the State Board for Educator Certification. Accreditation status is based on accountability standards as established by the Texas Education Agency.

The most recent Title II accountability data is available at the following website: https://title2.ed.gov/Public/Home.aspx. Additional information is available upon request from the Teacher Certification Office.

Teacher candidates may choose to work toward certification at the following levels:

1. Early Childhood through Grade 6 (EC-6)
2. Grades 7-12, Secondary
3. All-level.

Certification programs are field-based and have co-tangent tasks which coincide with coursework

Each certification program is highly integrated with field-based experiences, requiring teacher candidates, cooperating teachers, public school administrators, and University faculty to work collaboratively at designated campuses. Teacher candidates enrolled in the program are assigned to mentor teachers at specified elementary or secondary public schools. Field based experiences are on a continuum of early field experiences through full time teaching. Throughout the programs, teacher candidates observe, prepare teaching activities and lessons, and as a capstone experience are placed in an EC-12 environment for full time teaching (12 weeks minimum). Teacher candidates typically are in field-based placements, including student teaching, for approximately 600 hours.

Matriculation
Students seeking teacher certification must apply to the College of Education (COE), which is a separate application process from the University’s admission procedures. Acceptance to the University does not ensure acceptance into the College of Education. Students are eligible for admission to COE when the following requirement have been met; however, meeting these requirements does not guarantee acceptance, only consideration.

To be considered for admission to the Educator Preparation Program, the applicant must fulfill the following requirements:

1. Application: Submit an application form available online. Any COE admissions/program requirements in place at the time of readmission must be met. Candidates who have not been enrolled for one academic year must reapply. Any applicant previously denied admission must reapply.

2. Online Screening Survey: All applicants must complete an online screening survey to evaluate the applicant's knowledge, experience, skills and aptitudes. Applicants may be denied admission to the college from the evaluation of the screening instrument.

3. Courses: Complete the following:
   A) All freshman and sophomore level courses including the University Core Curriculum coursework with a grade “C” or better.
   B) Successfully complete (with a “C” or better) a minimum of 12 SCH in the subject content are of Elementary certification or successfully complete (with a “C” or better) 15 SCH for 7-12 certification areas in math or science.
   C) Complete two University Seminar courses UNIV 1101 and UNIV 1402. (Candidates who transfer Core complete or complete the institutional component option are exempt from this requirement.

4. Foreign Language Requirement: Meet the University's Foreign Language graduation requirement prior to admission. This may be demonstrated by fulfilling one of the options below:
   - Completion of three years of high school study of a single foreign language with a minimum grade of 80 (3.0) at the end of the third year, or
   - Completion of two years of high school study of a single foreign language and completion of a 2000 level university course in the same language with a “C” or better, or
   - Completion of an approved international experience (study abroad) of at least one semester/summer session in length in a country where English is not the primary language, or
   - CLEP or AP exam scores that award 6 SCH in a foreign language, or
   - Completion of two courses in a language with a “C” or better from the University’s International Language Institute, or
   - Completion of two American Sign Language courses with a “C” or better.
NOTE: The Foreign Language Requirement does not fulfill the Spanish language coursework for Bilingual emphasis programs.

5. Grade Point Average (GPA): An institutional, transfer, and overall GPA of 2.75 is required.

6. Assessments: Students must complete the following:
   A) Basic Skills: Have completed the Texas Success Initiative Assessment (TSI) as TSI College Ready, unless exempt with minimum scores on SAT, ACT, TAAS, TAKS, or STAAR EOC, or other exemption honored by the University. Transfer students that have already earned an Associate’s Degree or higher are also TSI assessment exempt.
   B) English Language Proficiency: The TOEFL IBT is required of all students having academic studies from a country where English is not the native language. These minimum TOEFL IBT scores are required:
      - Speaking: 24
      - Listening: 22
      - Reading: 22
      - Writing: 21

7. Bilingual Emphasis Programs: Applicants should take the Spanish Skill Assessment prior to enrolling in SPAN 2313 or SPAN 2630.

8. Acceptance into the College of Education: An applicant accepted into the College of Education must formally acknowledge the acceptance with the college. The COE will notify the applicant of the formal date of admission to the college in writing. Upon admission, applicants become teacher candidates and may enroll in upper level COE coursework.

Additional Requirements After Admission

1. Criminal Background Check: Candidates will complete a criminal background check as well as a fingerprint clearance, as determined by the school district for required fieldwork, and will be required to have a criminal history background check prior to employment as an educator.

2. 3000-5000 Level Courses: To register for any 3000-5000 level College of Education course, candidates must be fully admitted to the COE. A 2.75 Institutional (TAMIU) GPA and a GPA of 2.75 in the specialization/major must be maintain to remain in good standing. EDCI 3224, EDSE 3305, and EDSE 3315 can be taken prior to admission to the College of Education. Courses at the 5000-level may only be taken by seniors in their last semester of undergraduate coursework under the following conditions:
   - Must be within 15 semester credit hours of graduation.
   - Must have a 3.0 cumulative grade point average in upper division coursework.
   - Must not enroll for more than 15 SCHs and must not enroll for more than 6 SCHs of graduate work.
   - Graduate course cannot count towards the bachelor’s degree.
   - Graduate courses will be reserved for credit toward the graduate degree when fully accepted into a graduate program.
   - Must have approval from the Department/Division Chair and the Dean of the College in which the work is offered.

3. TExES Certification Exams: The College of Education has the right not to recommend teacher candidate in the EPP for TExES state certification exam(s).

Continuation of Undergraduate Enrollment for Students Admitted to the COE

Standard of Progress

Teacher candidates must earn a “C” or better in all education courses. Any teacher candidate earning less than a “C” in a prerequisite course must repeat the failed course before enrolling in subsequent courses.

A teacher candidate may enroll in the same undergraduate course a maximum of three (3) times in order to obtain a “C” or better. After the third unsuccessful attempt to earn a “C” or better in a course, the teacher candidate must change program/major. When teacher candidates change their program/major, all current program/major admission requirements must be met.

To be eligible to enroll in EDCI 4993 Student Teaching, teacher candidates must fulfill the following:

- have a TAMIU GPA of 2.75 and a TAMIU GPA of 2.75 in the specialization/major;
- complete all degree plan courses with a grade of “C” or better;
- pass the content/specialization/major TExES Certification Exams; and
- submit an application for Student Teaching in the office of the Director.

Teacher candidates who are unable to meet admission requirements for EDCI 4993 Student Teaching may pursue another degree program outside the EPP to complete a bachelor’s degree.

All teacher candidates must maintain a TAMIU GPA of 2.75 or higher to remain in good standing and to graduate. Any teacher candidate who receives less than a 2.75 GPA is subject to academic probation.

Overloads

Overloads will only be approved for TAMIU GPAs of 3.0 or higher and approval of the department chair and dean.

Academic Probation

Once fully admitted to the College of Education, a 2.75 GPA must be maintained each semester to remain in good standing. A teacher candidate is on academic probation if the GPA falls below. Notification of academic probation is through the Dean’s office. Teacher candidates must enroll in and repeat those courses in which the teacher candidate earned a less than satisfactory grade, before subsequent or new courses are taken.

Academic Suspension

A teacher candidate who is on probation and continues to receive less than a TAMIU GPA of 2.75 in a subsequent semester will be suspended by the College of Education. A teacher candidate who has been suspended for academic reasons may not petition the College of Education for readmission until one long semester has elapsed. Summer sessions are considered short terms and thus must not be supplant for a long term. A teacher candidate suspended for any reason will be subject to those criteria and guidelines specified in the University Catalog and required by
the major, College of Education, and/or Texas Education Agency in effect at the time of readmission. Enrollment waivers for teacher candidates on suspension will not be granted. When a teacher candidate returns from suspension, the teacher candidate must enroll in and repeat those courses in which the teacher candidate earned a less than satisfactory grade, before subsequent or new courses are taken.

Teacher Certification

For state approved programs leading to certification, as the state implements new requirements for certification, they will become compulsory at the time required with or without notice in this catalog. Candidates in these programs/majors have sole responsibility to comply with requirements for certification and to keep current with changes in certification requirements. Candidates enrolled in certification programs will need to obtain a fingerprint clearance and may be subject to a criminal background check.

Before teacher candidates may be recommended for taking the state certification exams, they must take and demonstrate successful diagnostic readiness on a practice exam in the area of certification sought.

Eligibility to Take TExES Exams

Approval to take TExES Exams is based on the procedure and criteria listed below. These procedures and criteria apply to all candidates pursuing degrees with teacher certification, regardless of their catalog year.

Good Standing.
The College of Education has specific requirements that are different and higher than those required by the University. An undergraduate student in good standing with the College of Education must have a TAMIU GPA of 2.75 or higher and a TAMIU GPA of 2.75 or higher in the specialization/major.

Test Preparation Session and Practice Tests.
Candidates must complete six (6) clock hours of Test Preparation and demonstrate diagnostic readiness on appropriate practice activities according to their program timeline before receiving approval to take any representative exam. Representative exams are released Texas Examinations of Educator Standards (TExES) exams administered by the TAMIU testing center for the purpose of determining candidate readiness. Test Preparation Sessions will be scheduled and conducted by University faculty. Three (3) of these hours will be completed prior to applying to Student Teaching. A plan of study may be developed by the candidate in conjunction with the College of Education Office of Student Success to prepare for their representative exam and upon completion of an unsuccessful representative exam.

Candidates pursuing certification must complete the appropriate representative exams to be approved to take the TExES exam. Approval for Representative Exams will be through the College of Education Office of Student Success. Representative exams are administered in the Texas A&M International University Testing Center by appointment only.

Candidates who are successful on the representative exam will be eligible to take the TExES exam. Supplemental exams which are TExES exams in the field in which a student is seeking certification will be taken in the semester prior to the Student Teaching.

Exam Sequence
Teacher Candidates seeking initial teacher certification must take TExES exams in the prescribed sequence noted below:

- The TExES content exam in the specialization/major area will be taken the semester following formal admission to the Educator Preparation Program
- The Pedagogy and Professional Responsibilities (PPR) representative exam for the PPR will be taken during the Student Teaching semester. Students may register for the representative exam after receiving three (3) hours of representative exam preparation and documenting readiness. Candidates who are successful on the representative exam will be eligible to take the TExES PPR exam.

Before taking a second TExES exam, undergraduate students must pass the TExES exam they have been approved to take before attempting a second exam.

Student Support.
Students who are unsuccessful on a representative exam or TExES exam will be required to seek support designed to address domains/competencies on the TExES exam in which the student was unsuccessful. Intervention will be carried out by faculty at Texas A&M International University and coordinated via the College of Education Office of Student Success. Students must demonstrate diagnostic readiness to be eligible to sit for the TExES exam.

Students are responsible for correctly completing their TExES Registration forms online by the deadlines given in the online TExES Registration Bulletin. Students are required to pay for their exams online with a credit card.

Obtaining Teacher Certification
Teacher Certification is obtained after the candidate has completed the certification program he/she has been enrolled in and has passed the appropriate TExES exams. To obtain Texas Teacher Certification, candidates must complete an on-line Application for Certification and submit it to the State Board for Educator Certification. Information for the application process is available in the Teacher Certification Office.

The Certification Officer will review the candidate's application to ensure that all program requirements have been successfully completed. The application will be forwarded by the Certification Officer to the State Board of Educator Certification. ALL HOLDS MUST BE CLEARED BEFORE THE CERTIFICATION CAN BE FORWARDED TO THE STATE BOARD. The Teacher Certificate will be issued by the State Board of Educator Certification.

All certificates issued by the State are Five (5)-Year Renewable certificates. The individual holding the certificate must submit documentation to the State every five (5) years showing that he/she has completed the required clock hours of professional development activities relating to his/her area of certification.
Degrees
Undergraduate Degrees

- Bachelor of Science with a major in Kinesiology with Elementary Certification (BS) (p. 201)
- Bachelor of Science with a major in Kinesiology with Secondary Certification (BS) (p. 202)
- Bachelor of Science with a major in Interdisciplinary Studies with EC-6 Certification and a Bilingual Emphasis (BS) (p. 203)
- Bachelor of Science with a major in Interdisciplinary Studies with EC-6 Certification and an Early Learning Emphasis (BS) (p. 205)
- Bachelor of Science with a major in Interdisciplinary Studies with EC-6 Certification and an English as a Second Language Emphasis (BS) (p. 206)
- Bachelor of Science with a major in Interdisciplinary Studies with EC-6 Certification and a Special Education Emphasis (BS) (p. 208)

Bachelor of Science with a Major in Kinesiology with Elementary Certification (BS)

Degree Requirements
HOURS REQUIRED

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
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<td>[University Core Curriculum] (p. 436)</td>
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<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation.&quot; Life &amp; Physical Science requirements in the core must include BIOL 2101 &amp; BIOL 2301 &amp; BIOL 2102 and BIOL 2302. Social and Behavioral Sciences requirements in the core must include PSYC 2314.</td>
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<tr>
<td>Life &amp; Physical Science Lab</td>
<td>Select 1 SCH compatible with Life &amp; Physical Science course</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Major</td>
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<tr>
<td>EDFS 1101</td>
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<tr>
<td>EDFS 2224</td>
<td>Team and Individual Sports</td>
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<tr>
<td>EDFS 2300</td>
<td>Physical Fitness</td>
<td>3</td>
</tr>
<tr>
<td>EDFS 2301</td>
<td>Foundations of Fitness &amp; Sport</td>
<td>3</td>
</tr>
<tr>
<td>EDFS 2325</td>
<td>First Aid</td>
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</tr>
<tr>
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<tr>
<td>EDFS 3305</td>
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<tr>
<td>EDFS 3310</td>
<td>Tching Phys Ed in Sec Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDFS 3316</td>
<td>Health and Movement</td>
<td>3</td>
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<tr>
<td>EDFS 4301</td>
<td>Tests and Measurements</td>
<td>3</td>
</tr>
<tr>
<td>EDFS 4399</td>
<td>Issues in Phys Ed &amp; Coaching</td>
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Professional Education Core

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<tr>
<td>EDCI 2224</td>
<td>Cultural Foundations of Ed</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 3200</td>
<td>Survey of Content Know &amp; Exper</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 3301</td>
<td>Assessment for Instruc Design</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3305</td>
<td>Mid/Sec Sch Meth, Mgt &amp; Dis</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 3315</td>
<td>Impl Eff Inst Strat Div Lmrs</td>
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<tr>
<td>EDCI 4310</td>
<td>Engaging Learners</td>
<td>3</td>
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<tr>
<td>EDCI 4693</td>
<td>Clinical Teaching</td>
<td>6</td>
</tr>
<tr>
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Support Area

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<tr>
<td>EDBE 3325</td>
<td>Theories of 2nd Lang Learning</td>
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Content Certification - Elementary

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<tbody>
<tr>
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<td>EDEL 3374</td>
<td>Social Studies Prin for EC-6</td>
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<tr>
<td>EDEL 3384</td>
<td>Science Prin for EC-Grade 6</td>
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<td>EDEL 3394</td>
<td>Math Prin for EC-Grade 6</td>
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<tr>
<td>EDSE 3305</td>
<td>Intro to Special Education</td>
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Total Semester Credit Hours 120

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

<table>
<thead>
<tr>
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<td>BIOL 2301</td>
<td>Anatomy &amp; Physiology I</td>
</tr>
<tr>
<td>BIOL 2101</td>
<td>Anatomy &amp; Physiology I-Lab</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
</tr>
<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
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<tr>
<td>Creative Arts</td>
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<thead>
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<tr>
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<td>English Composition II</td>
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<tr>
<td>BIOL 2302</td>
<td>Anatomy &amp; Physiology II</td>
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<td>BIOL 2102</td>
<td>Anatomy &amp; Physiology II-Lab</td>
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<td>Signature Course</td>
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<table>
<thead>
<tr>
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</table>
Bachelor of Science with a Major in Kinesiology with Secondary Certification (BS)

Degree Requirements

HOURS REQUIRED

120 semester credit hours (SCH): 45 hours must be advanced, with fulfilment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

<table>
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<tr>
<th>Code</th>
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<td>[University Core Curriculum] (p. 436)</td>
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<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation.&quot;Life &amp; Physical Science requirements in the core must include BIOL 2101 &amp; BIOL 2301 &amp; BIOL 2102 and BIOL 2302. Social and Behavioral Sciences requirements in the core must include PSYC 2314.</td>
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<tr>
<td></td>
<td>Life &amp; Physical Science Lab</td>
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<td></td>
<td>Select 1 SCH compatible with Life &amp; Physical Science course</td>
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<tr>
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<td>Major</td>
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<tr>
<td>EDFS 1101</td>
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<td>1</td>
</tr>
<tr>
<td>EDFS 2224</td>
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<td>Foundations of Fitness&amp;Sport</td>
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<td>First Aid</td>
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<td>EDFS 3305</td>
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<td>Assessment for Instruc Design</td>
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<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
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<tr>
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<td>EDCI 3305</td>
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<td>Impl Eff Inst Strat Div Lrnrs</td>
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<td>EDCI 4310</td>
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<td>EDCI 4399</td>
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<td>Inc Pract Ch&amp;Yth W/Disablts</td>
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<td>EDCI 2224</td>
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<td>Survey of Content Know &amp; Exp</td>
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Content Certification - Secondary

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* Students must apply for admission to the College of Education while enrolled in EDCI 3200.

Actual degree plans may vary depending on availability of courses in a given semester.
Select 15 SCH 3000-4000 level in any of the following subjects:
Science, Mathematics, English, History

Total Semester Credit Hours 120

**Four-Year Degree Plan**

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

### Freshman

#### Fall

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>ENGL 1301</td>
<td>English Composition I</td>
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<tr>
<td>BIOL 2301</td>
<td>Anatomy &amp; Physiology I</td>
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<tr>
<td>BIOL 2101</td>
<td>Anatomy &amp; Physiology I-Lab</td>
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<td>HIST 1301</td>
<td>The US to 1877</td>
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<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
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#### Spring

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<td>English Composition II</td>
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<td>BIOL 2302</td>
<td>Anatomy &amp; Physiology II</td>
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### Sophomore

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<td>PSCI 2305</td>
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<td>PSYC 2314</td>
<td>Lifespan Growth&amp;Development</td>
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<td>Physical Fitness</td>
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<td></td>
<td><strong>Language, Philosophy and Culture</strong></td>
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<td>Foundations of Fitness&amp;Sport</td>
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### Junior

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<tr>
<td>EDCI 3302</td>
<td>Teaching Eng Lang Learners</td>
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**Bachelor of Science with a major in Interdisciplinary Studies with EC-6 Certification and a Bilingual Emphasis (BS)**

### Degree Requirements

**HOURS REQUIRED**

126 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

*Students must apply for admission to the College of Education while enrolled in EDCI 3200.

*Actual degree plans may vary depending on availability of courses in a given semester.

*Some courses may require prerequisites not listed.*
Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

**Life & Physical Science Lab**

<table>
<thead>
<tr>
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<th>Title</th>
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**Combination of Subjects**

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<td>and Survey of Earth Science</td>
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<td>MATH 1350</td>
<td>Fundamentals of Mathematics I</td>
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**Spanish Requirement**

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<tbody>
<tr>
<td>SPAN 3303</td>
<td>Spanish Language for Bil Teach</td>
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<td>SPAN 3305</td>
<td>Spanish Academic Writing</td>
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**Major**

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<td>EDBE 3310</td>
<td>Foundations of Bilingual Edu</td>
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<td>EDBE 3325</td>
<td>Theories of 2nd Lang Learning</td>
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<td>EDBE 3335</td>
<td>Lang Arts Prin in Bil Settings</td>
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<td>EDBE 4334</td>
<td>Teach Cont Areas Dual Lang Env</td>
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<td>ENGL 3361</td>
<td>Multicultural Children's Lit</td>
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<td>KINE 3207</td>
<td>Hlth&amp;Phys Ed for Elem Sch</td>
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<td>MUSI 3100</td>
<td>Music and Children</td>
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<td>THAR 3100</td>
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**Field of Study**

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<th>Title</th>
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<tbody>
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<td>EDEL 3374</td>
<td>Social Studies Prin for EC-6</td>
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<td>EDEL 3384</td>
<td>Science Prin for EC-Grade 6</td>
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</tr>
<tr>
<td>EDEL 3394</td>
<td>Math Prin for EC-Grade 6</td>
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**Support Area**

<table>
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<tr>
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<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>EDRD 3309</td>
<td>Fdn. &amp; Strat. Teach Lit EC-12</td>
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**Professional Education Core**

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**Four-Year Degree Plan**

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions.

**Freshman**

**Fall**

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<td>BIOL 1370</td>
<td>Survey of Life Science</td>
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<tr>
<td>BIOL 1170</td>
<td>Survey of Life Science Lab</td>
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<tr>
<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
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<tr>
<td>Creative Arts</td>
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**Spring**

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**Sophomore**

**Fall**

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**Spring**

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**Summer**

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**Junior**

**Fall**

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<tr>
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<td>Fdn. &amp; Strat. Teach Lit EC-12</td>
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<tr>
<td>EDEL 3362</td>
<td>Lang &amp; Lit for Young Child</td>
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</table>
Bachelor of Science with a Major in Interdisciplinary Studies with EC-6 Certification and an Early Learning Emphasis (BS)

Degree Requirements

HOURS REQUIRED

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Support Area

EDRD 3309  Fdn. & Strat. Teach Lit EC-12 3
EDCI 4301  Classroom Diag&Rem of Rdg Diff 3

Field of Study

EDCI 3335  Lang Arts Prin in Bil Settings 3
EDBE 3334  Teach Cont Areas Dual Lang Env 3

Program of Study

EDCI 1102  Intro to Teaching Profession 1
EDCI 2224  Cultural Foundations of Ed 2
EDCI 3200  Survey of Content Know & Exper 2
EDCI 3301  Assessment for Instruc Design 3
EDCI 3302  Teaching Eng Lang Learners 3
EDCI 3315  Impl Eff Inst Strat Div Lrnrs 3
EDCI 4310  Engaging Learners 3
EDCI 4693  Clinical Teaching 6
EDSE 4350  Inc Pract Ch&Yth W/Disablts 3

Total Semester Credit Hours 120

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must
Undergraduate Information

meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall

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| Semester Credit Hours | 16 |

Spring

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| Semester Credit Hours | 15 |

Sophomore

Fall

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| Semester Credit Hours | 16 |

Spring

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<td>The US Since 1877</td>
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<td>Language, Philosphy &amp; Culture</td>
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| Semester Credit Hours | 14 |

Junior

Fall

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<td>EDEL 3362</td>
<td>Lang &amp; Lit for Young Child</td>
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<td>EDRD 3303</td>
<td>Teaching Reading&amp;Lang Arts</td>
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| Semester Credit Hours | 15 |

Spring

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| Semester Credit Hours | 3 |

Senior

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| Semester Credit Hours | 17 |

Spring

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| Semester Credit Hours | 9 |

| Total Semester Credit Hours | 120 |

* Students must apply for admission to the College of Education while enrolled in EDCI 3200.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

Bachelor of Science with a major in Interdisciplinary Studies with EC-6 Certification and an English as a Second Language Emphasis (BS)

Degree Requirements

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Life & Physical Science Lab

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Combination of Subjects

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Texas A&M International University 2021-2022 Catalog
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</table>

**Four-Year Degree Plan**

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Total Semester Credit Hours: 120

Texas A&M International University 2021-2022 Catalog
Bachelor of Science with a Major in Interdisciplinary Studies with EC-6 Certification and a Special Education Emphasis (BS)

Degree Requirements

126 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

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* Students must apply for admission to the College of Education while enrolled in EDCI 3200

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

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Texas A&M International University 2021-2022 Catalog
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EDSE 4350 Inc Pract Ch&Yth W/Disabltls 3

| Semester Credit Hours | 9 |
| Total Semester Credit Hours | 126 |

* Students must apply for admission to the College of Education while enrolled in EDCI 3200.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

## College of Nursing and Health Sciences

### NURSING

#### DR. F. M. CANSECO SCHOOL OF NURSING

**Accreditation and Approval**
The College of Nursing and Health Sciences, Dr. F. M. Canseco School of Nursing is accredited by Accreditation Commission for Nursing Education (ACEN).

3343 Peachtree Road NE, Suite 850
Atlanta, GA, 30326
(404) 975-5000
www.acenursing.org

The College of Nursing and Health Sciences, Dr. F. M. Canseco School of Nursing is approved by the Texas Board of Nursing (TBON).

333 Guadalupe, Suite 3-460
Austin, TX 78701
(512) 305-7400
www.bon.texas.gov.

**Program Mission**
The mission of the Dr. F. M. Canseco School of Nursing is to prepare professional nurses to improve the well-being of complex and diverse populations. The purpose of the baccalaureate program in the College of Nursing and Health Science, Dr. F. M. Canseco School of Nursing is to educate baccalaureate nurses who are outstanding clinicians, scholars, health advocates, mentors and leaders who will be instrumental in addressing the health care needs of communities. The curriculum focuses on preparing expert clinicians to work in partnership with communities.

Nursing students pursue professional courses based on knowledge of physical, biological and social sciences, the humanities and communication skills. Upon successful completion of requisite courses in these disciplines, students are eligible to apply for admission to the Canseco School of Nursing for clinical nursing coursework.

The Canseco School of Nursing (CSON) offers a traditional Bachelor of Science in Nursing (BSN) program and an accelerated track (RN/BSN) for the student who is already a Registered Nurse licensed in Texas.

Students seeking admission to the nursing program must apply directly to the School of Nursing. Admission to the University does not automatically guarantee admission to the School of Nursing. All prospective nursing students should seek advisement from the School of...
Nursing, in order to plan a program of study that meets the needs of the student as well as the requirements of the degree plan.

** Marketable Skills, Competencies and NCLEX-RN**

Upon completion of a Bachelor of Science in Nursing at Texas A&M International University, students will have completed essential competencies developed by the Texas Board of Nursing. In addition, graduates qualify to take the NCLEX-RN, the national exam that every nursing program graduate in the United States must take to become a registered nurse.

Licensure is state specific; however, nurses licensed in Texas and 249 other states have a compact license that allows them to provide care to patients, without having to obtain additional licensure. In non-compact states, the nurse would not need to re-test but rather apply for endorsement from that state’s board of nursing. For more detailed information about competencies, visit the CSON website here.

Texas A&M International University, College of Nursing and Health Sciences, Dr. F. M. Canseco School of Nursing has been commended by the Texas Board of Nursing for their NCLEX-RN pass rates. You can visit the Outcome Data tab on the CSON website here for more information about pass and completion rates.

**HEALTH SCIENCES**

**COMMUNICATION SCIENCES AND DISORDERS**

**PROGRAM MISSION**

The mission of the Bachelor of Science in Communication Sciences and Disorders program is to provide culturally and linguistically diverse state of the art educational, and leadership experiences in speech-language and audiology. Through research, clinical and outreach experiences, the program seeks to enhance the quality of life for communicatively impaired citizens of the border region, the State of Texas, and national and international communities.

**CSDO Program Learning Outcomes**

Graduates of the program will be able to:

1. Graduates will explain the normal aspects of speech-language and hearing as they relate to human communication.
2. Graduates will analyze trends in discipline specific professional practice and research principles.
3. Graduates will observe and critically evaluate clinical practice in communication disorders.
4. Graduates will develop effective discipline specific oral and written communication skills.
5. Graduates will apply foundational principles required to justify a basic knowledge of assessment and treatment of disorders related to speech-language and hearing.

**Marketable Skills and Competencies for CSDO**

From the American Speech-Language-Hearing Association

An undergraduate degree in Communication Sciences and Disorders provides students with:

Core competence in understanding the science of human communication and its disorders; integrating information from the broad areas of lifespan human development, psychology, cognitive sciences, biology, acoustics and language science.

Development of critical thinking and written and oral communication abilities within contexts of the physical, biological, cognitive, linguistic and social sciences.

Exposure to contemporary issues in health care and education:

- Professional ethics
- Cultural competence for professional interactions in a diverse society
- Evidence-based decision-making
- Regulatory and institutional aspects of provision of services

Opportunities to engage in high impact learning practices such as:

- Service learning
- Undergraduate research
- Community engagement

Preparation to succeed in audiology and speech-language pathology graduate programs as well as a wide variety of disciplines in areas such as:

- Allied health
- Education
- Human services
- Life sciences
- Social sciences

Opportunities and a broad range of options that utilize transferable skills learned with an undergraduate degree in communication sciences. Graduates can be found working in all sectors of society:

- Media
- Education
- Sales
- Public relations
- Health and human services
- Government

**KINESIOLOGY**

**Program Mission**

The mission of the Kinesiology non-certification program is to educate and prepare qualified professionals in kinesiology and health/wellness to promote healthy and active lifestyles to citizens of the Border Region, the state of Texas, and nation/international communities.

**KINE Program Learning Outcomes:**

1. Explain and/or demonstrate the theoretical and/or scientific principles that can be used to address issues or problems in Kinesiology.
2. Apply knowledge and skills required to assess human performance related characteristics of individuals from diverse populations.
3. Evaluate and interpret the components of health-related fitness.

4. Analyze and discuss current issues in health, physical activity and wellness.

5. Develop quality wellness programs for the individual and/or community.

**PUBLIC HEALTH PROGRAM MISSION**

The mission of the Bachelor of Science in Public Health (BSPH) program, which is rooted in the larger University mission, is to educate students from diverse disciplines and backgrounds in core public health knowledge areas so that they are equipped to help prevent disease and promote physical and mental health and social well-being through public health practice, leadership, and research.

**PH PROGRAM LEARNING OUTCOMES**

TAMIU’s BSPH will graduate students who will be knowledgeable and will be able to explain and apply an understanding of:

1. Foundations, history, and profession of public health and public health systems.
2. Knowledge synthesized from sciences, mathematics, social sciences, humanities, and other disciplines to develop a framework of culturally appropriate knowledge and practice relating to individual and population health.
3. Utilization of critical thinking, problem solving, creativity, and the research process to identify and address public health issues/problems in a variety of settings.
4. Personal and social responsibility required to promote, advocate, and collaborate with others to meet the public health needs of individuals and communities.
5. Effective oral, written, media, and online communication strategies/skills to educate and influence various community health stakeholders and public health policy.
6. Epidemiology as part of a multidisciplinary approach in understanding disease causation and prevention in populations/communities.
7. Systems thinking, organizational management, and leadership in public health.

**MARKETABLE SKILLS AND COMPETENCIES FOR PH**

Upon completion of a Bachelor of Science in Public Health at Texas A&M International University, students will have completed essential competencies developed using the American Public Health Association Guidelines. Competencies include the following:

- Cross-cultural Competencies
- Technology and Innovation

**ACCOMMODATIONS FOR DISABILITIES**

TAMIU provides reasonable accommodation to qualified students with a disability. Upon admission, a nursing student who discloses a disability and requests accommodation may be asked to provide documentation of his or her disability for purpose of determining appropriate accommodations, including modifications to the program. The TAMIU College of Nursing and Health Sciences will provide reasonable accommodations but is not required to make accommodations that would substantially alter the nature or requirements of the program or provide auxiliary aids that present an undue burden. To matriculate or continue in the curriculum, the nursing student must be able to perform all the essential functions either with or without accommodation.

Requests for accommodation should be directed to:
Office of Student Counseling and Disability Services
Senator Judith Zaffirini Success Center (ZSC) 138
Phone: 956.326.2230
http://www.tamiu.edu/wellness/stucouns.shtml
For more information about our programs, visit us at https://www.tamiu.edu/conhs/.

**Degrees**

**Nursing Degrees**

- Bachelor of Science in Nursing (BSN) (p. 211)
- Bachelor of Science in Nursing (RN/BSN) (p. 213)

**Health Science Degrees**

- Bachelor of Science in Communication Disorders (BS) (p. 214)
- Bachelor of Science in Public Health (BS) (p. 216)
- Bachelor of Science with a major in Kinesiology with a concentration in Exercise Science (BS) (p. 218)
- Bachelor of Science with a major in Kinesiology with a concentration in Health & Fitness (BS) (p. 219)
- Bachelor of Science with a major in Kinesiology with a concentration in Pre-Physical/Occupational Therapy (BS) (p. 221)

**Minor**

- Kinesiology (p. 222)
- Public Health (p. 222)

**Bachelor of Science in Nursing (BSN) Degree Requirements**

**Hours Required**

A minimum of 120 semester credit hours (SCH) is required for either BSN or RN/BSN programs.
### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
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<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
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<td>BSN Additional Requirements</td>
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<td>Microbiology, select from:</td>
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<td>BIOL 2415</td>
<td>Microbiology for Allied Health</td>
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<td>or BIOL 2421</td>
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<tr>
<td>CHEM 1370 &amp; CHEM 1170</td>
<td>Survey of Chemistry and Survey of Chemistry Lab</td>
<td>4</td>
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<tr>
<td>CHEM 1311 &amp; CHEM 1111</td>
<td>General Chemistry I and General Chemistry I-Lab</td>
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<tr>
<td>MATH 1342</td>
<td>Introductory Statistics</td>
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<td>PSYC 2314</td>
<td>Lifespan Growth&amp;Development</td>
<td>3</td>
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<tr>
<td>BIOL 2102</td>
<td>Anatomy &amp; Physiology II-Lab</td>
<td>1</td>
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<tr>
<td>NURS 2320</td>
<td>Nutrition (must also be taken before admission into either program BSN or RN/BSN)</td>
<td>3</td>
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<td>NURS 2321</td>
<td>Pathophysiology (must also be taken before admission into either program BSN or RN/BSN)</td>
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<td>BSN (after admission)</td>
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<td>NURS 3410</td>
<td>Health Assessment</td>
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<td>NURS 3613</td>
<td>Basic Nursing</td>
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<td>NURS 3310</td>
<td>Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3311</td>
<td>Cult Determ of Hlth Behave-WIN</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3614</td>
<td>Adult Health Nursing II</td>
<td>6</td>
</tr>
<tr>
<td>NURS 3411</td>
<td>Childbearing&amp;Women’s Hlth Nurs</td>
<td>4</td>
</tr>
<tr>
<td>NURS 3412</td>
<td>Psych &amp; Mental Hlth Nursing</td>
<td>4</td>
</tr>
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<td>NURS 4410</td>
<td>Child Health Nursing</td>
<td>4</td>
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<td>Adult Health Nursing II</td>
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<td>NURS 4310</td>
<td>Nursing Research - WIN</td>
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<td>NURS 4411</td>
<td>Community Nursing</td>
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<td>NURS 4613</td>
<td>Nursing Leadership&amp;Management</td>
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<td>NURS 4412</td>
<td>Capstone</td>
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<tr>
<td>Total Semester Credit Hours</td>
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</table>

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements (p. 209) and the requirements of the Dr. F. M. Canseco School of Nursing; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate (p. 36). Admission into the nursing program is highly competitive and completion of prerequisites does not guarantee admission. Please refer to the CONHS Student Handbook for more information on admission into the program.

#### Freshman

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>ENGL 1301 English Composition I</td>
</tr>
<tr>
<td>BIOL 2301 Anatomy &amp; Physiology I</td>
</tr>
<tr>
<td>BIOL 2101 Anatomy &amp; Physiology I-Lab</td>
</tr>
<tr>
<td>HIST 1301 The US to 1877</td>
</tr>
<tr>
<td>UNIV 1201 Learn a Global Context I</td>
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<tr>
<td>MATH Core Course</td>
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<tr>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Spring</td>
</tr>
<tr>
<td>ENGL 1302 English Composition II</td>
</tr>
<tr>
<td>BIOL 2302 Anatomy &amp; Physiology II</td>
</tr>
<tr>
<td>BIOL 2102 Anatomy &amp; Physiology I-Lab</td>
</tr>
<tr>
<td>UNIV 1302 Signature Course</td>
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<td>CHEM - Chemistry</td>
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<tr>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Sophomore</td>
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<tr>
<td>Fall</td>
</tr>
<tr>
<td>PSCI 2305 American National Government</td>
</tr>
<tr>
<td>PSYC 2301 Intro to Psychology</td>
</tr>
<tr>
<td>HIST 1302 The US Since 1877</td>
</tr>
<tr>
<td>BIOL - Microbiology</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
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<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Spring</td>
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<tr>
<td>PSCI 2306 American State Government</td>
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<tr>
<td>PSYC 2314 Lifespan Growth&amp;Development</td>
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<td>MATH 1342 Introductory Statistics</td>
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<td>NURS 2320 Nutrition</td>
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<td>NURS 2321 Pathophysiology</td>
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<td>Creative Arts</td>
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<th>Semester Credit Hours</th>
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<td>Junior</td>
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<td>Fall</td>
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<tr>
<td>NURS 3310 Pharmacology</td>
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<td>NURS 3311 Cult Determ of Hlth Behave-WIN</td>
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<td>NURS 3410 Health Assessment</td>
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<tr>
<td>NURS 3613 Basic Nursing</td>
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<th>Semester Credit Hours</th>
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<td>Spring</td>
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<tr>
<td>NURS 3412 Psych &amp; Mental Hlth Nursing</td>
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<tr>
<td>NURS 3614 Adult Health Nursing I</td>
</tr>
<tr>
<td>NURS 4310 Nursing Research - WIN</td>
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<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Texas A&amp;M International University 2021-2022 Catalog</td>
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</table>
Bachelor of Science in Nursing (RN/BSN)

Degree Requirements

Hours Required

A minimum of 120 semester credit hours (SCH) is required for either BSN or RN/BSN programs.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>NURS 3311</td>
<td>Childbearing &amp; Women's Health Nurs</td>
<td>4</td>
</tr>
<tr>
<td>NURS 4410</td>
<td>Child Health Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NURS 4614</td>
<td>Adult Health Nursing II</td>
<td>6</td>
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</table>

Semester Credit Hours: 14

Spring

| NURS 4411 | Community Nursing                                | 4                     |
| NURS 4412 | Capstone                                         | 4                     |
| NURS 4613 | Nursing Leadership & Management                   | 6                     |

Semester Credit Hours: 14

Total Semester Credit Hours: 120

* At least 1 lower level course must be designated as WIN.  
1 NURS 3311 may be taken during any semester after admission into the nursing program.

All courses required for completion of the basic Bachelor of Science in Nursing degree can be completed in four calendar years of full time study. Information on tuition, fees, and length of program can be found on the University web site. The School of Nursing is accredited by the Accreditation Commission for Education in Nursing (ACEN). The contact information for the ACEN is:

ACEN,  
343 Peachtree Road NE, Suite 500  
Atlanta, Georgia 30326  
Phone: 404.975.5000  
Fax: 404.975.5020  
www.acenursing.org

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

Four-Year Degree Plan

Registered Nurse students are admitted on a space available basis. Students are responsible for reviewing the Program of Study Requirements (p. 209) and the requirements of the Dr. F. M. Canseco School of Nursing; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate (p. 36). Admission into the nursing program is highly competitive and completion of prerequisites does not guarantee admission. Please refer to the CONHS Student Handbook for more information on admission into the program.

First Year

Fall

| ENGL 1301 | English Composition I                           | 3                     |
| BIOL 2101 | Anatomy & Physiology I-Lab                      | 1                     |
| BIOL 2301 | Anatomy & Physiology I                          | 3                     |
| HIST 1301 | The US to 1877                                  | 3                     |
| UNIV 1201 | Learn a Global Context I                        | 2                     |
| Creative Arts                                  | 3                     |

Semester Credit Hours: 15

Spring

| ENGL 1302 | English Composition II                          | 3                     |
| BIOL 2302 | Anatomy & Physiology II                         | 3                     |
| BIOL 2102 | Anatomy & Physiology II-Lab                     | 1                     |
| HIST 1302 | The US Since 1877                               | 3                     |
| UNIV 1302 | Signature Course                                | 3                     |

Semester Credit Hours: 13

Second Year

Fall

| PSYC 2301 | Intro to Psychology                             | 3                     |
| BIOL 2415 | Microbiology for Allied Health or General Microbiology | 4                     |

Second Year Fall

| PSYC 2301 | Intro to Psychology                             | 3                     |
| BIOL 2415 | Microbiology for Allied Health or General Microbiology | 4                     |

Second Year Fall

| PSYC 2301 | Intro to Psychology                             | 3                     |
| BIOL 2415 | Microbiology for Allied Health or General Microbiology | 4                     |
Bachelor of Science in Communication Disorders

Overview

Admission Requirements for the Communication Sciences and Disorders Program

The application deadline for Communication Sciences and Disorders program is the 1st Monday following Spring commencement for Fall admission.

Students should be advised that the Texas State of Board of Examiners for Speech-Language Pathology and Audiology may deny a license to an applicant because of conviction for a felony or misdemeanor if the crime directly relates to the professional duties of a speech-language pathologist or speech-language pathology assistant.

To be considered for admission to the Communication Sciences and Disorders program, the applicant must fulfill the following requirements:

1. Acceptance by Texas A&M International University and a declared communication sciences and disorders major.

2. Completion of University Core Curriculum and CSDO Additional Requirements with a grade of "C" or better and a minimum grade point average of 2.75 on a 4.0 scale.

3. Application: Submit an application form (available at CNS 111D).

Additional Requirements for CSDO After Admission to the College of Nursing and Health Sciences

At student’s expense the following information must be uploaded to an agency designated by the CNHS.

1. An in-depth background check.
2. Proof of current immunizations, including current TB test results and Hepatitis B.

CSDO Progression and Repeat Course Policy

1. Admission into the CSDO program is during the Fall semesters only.
2. Courses must be taken in the sequence identified in the catalog.
3. After admission into the CSDO program, failure to enroll in all of the recommended CSDO courses for that semester as identified by an advisor in conjunction with the degree plan will delay graduation for at least a year.
4. CSDO students must receive a grade of "C" or higher in each CSDO course. If a grade below a "C" in a junior-level CSDO course is earned, the student will not be allowed to progress in the major until the course is retaken and passed with a grade of "C" or better.
5. Students will be ineligible to continue in the CSDO program if: a) two (2) F’s are earned in the same course, or (b) there is a failure of two (2) CSDO courses, or c) the same course is taken twice without making a "C" or better (includes course withdrawal, failure, or combination of both.

Grading Policy

The Communication Sciences and Disorders program has adhered to the following grading policy:

A 100-90
B 89-80
C 79-75
F 74- below

Communication Sciences and Disorders students admitted to the program must achieve a grade of "C" or better and pass both clinical and theory components in order to pass the course.

Graduation Requirements for Communication Sciences and Disorders Students

The College of Nursing and Health Sciences, Communication Sciences program, adheres to all general requirements and procedures of the University for graduation. Students are eligible to apply for graduation when the following criteria is met:

• Maintain a GPA of 2.75 or better in the major.
• Completion of required semester credit hours.
Undergraduate Information

- Obtain an audit of observation and clinical practicum hours for verification for professional licensure.

**Degree Requirements**

**Hours required**

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
<td></td>
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<tr>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
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<tr>
<td><strong>CSDO Additional Requirements</strong></td>
<td></td>
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</tr>
<tr>
<td>CHEM 1170</td>
<td>Survey of Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>or CHEM 1111</td>
<td>General Chemistry I-Lab</td>
<td>1</td>
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<tr>
<td>PSYC 2317</td>
<td>Basic Stats for Psychology</td>
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<tr>
<td>PSYC 2117</td>
<td>Basic Stats for Psyc Lab</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 2314</td>
<td>Lifespan Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>CSDO 2305</td>
<td>Intro to Comm Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSDO 2306</td>
<td>Clinical Writing in Comm Disor</td>
<td>3</td>
</tr>
<tr>
<td>General Elective (1000-2000)</td>
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<tr>
<td><strong>CSDO (After Admission)</strong></td>
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<tr>
<td>CSDO 3320</td>
<td>Intro to Research in CSDO- WIN</td>
<td>3</td>
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<tr>
<td>CSDO 3321</td>
<td>Anat &amp; Phys of Spch &amp; Hrng Mech</td>
<td>3</td>
</tr>
<tr>
<td>CSDO 3325</td>
<td>Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>CSDO 3333</td>
<td>Normal Lang Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>CSDO 3331</td>
<td>Speech &amp; Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>CSDO 3314</td>
<td>Neuroanatomy in Comm Disorders</td>
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<td>CSDO 3322</td>
<td>Clinical Observation Practicum</td>
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<td>CSDO 3335</td>
<td>Lang &amp; Lit Disorders in Children</td>
<td>3</td>
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<td>CSDO 3336</td>
<td>Speech Sounds Disorders</td>
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<td>CSDO 3413</td>
<td>Introduction to Audiology</td>
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<td>CSDO 4319</td>
<td>Advanced Audiology</td>
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<td>CSDO 4320</td>
<td>Fluency Disorders</td>
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<td>CSDO 4318</td>
<td>Diag &amp; Eval Speech Lang Path</td>
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<td>CSDO 4330</td>
<td>Voice &amp; Resonance Disorders</td>
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<td>CSDO 4426</td>
<td>Clin Prac in Comm Disorders</td>
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<td>CSDO 4436</td>
<td>Neurogenic Sp-Lang Disorders</td>
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<td>CSDO 4337</td>
<td>Foundations of Aural Rehab</td>
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<td>Multi Ctrlr-Lingu Trends in CD</td>
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<td>Adv Clin Prac in CSDO</td>
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<td><strong>Total Semester Credit Hours</strong></td>
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<td><strong>120</strong></td>
</tr>
</tbody>
</table>

**Four-Year Degree Plan**

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

| Freshman | | |
| Fall | | Semester Credit Hours |
| ENGL 1301 | English Composition I | 3 |
| BIOL 2301 | Anatomy & Physiology I | 3 |
| BIOL 2101 | Anatomy & Physiology I-Lab | 1 |
| HIST 1301 | The US to 1877 | 3 |
| MATH 1314 | College Algebra | 3 |
| UNIV 1201 | Learn a Global Context I | 2 |
| **Semester Credit Hours** | | **15** |
| Spring | | |
| ENGL 1302 | English Composition II | 3 |
| CHEM 1370 | Survey of Chemistry | 3 |
| or CHEM 1311 | General Chemistry I | 3 |
| CHEM 1170 | Survey of Chemistry Lab | 1 |
| or CHEM 1111 | General Chemistry I-Lab | 1 |
| HIST 1302 | The US Since 1877 | 3 |
| UNIV 1302 | Signature Course | 3 |
| **Semester Credit Hours** | | **13** |

| Sophomore | | |
| Fall | | Semester Credit Hours |
| PSCI 2305 | American National Government | 3 |
| PSYC 2301 | Intro to Psychology | 3 |
| Language, Philosophy & Culture | | 3 |
| Creative Arts | | 3 |
| General Elective (1000-2000) | | 3 |
| **Semester Credit Hours** | | **15** |
| Spring | | |
| PSCI 2306 | American State Government | 3 |
| PSYC 2314 | Lifespan Growth & Development | 3 |
| PSYC 2317 | Basic Stats for Psychology | 3 |
| PSYC 2117 | Basic Stats for Psyc Lab | 1 |
| CSDO 2305 | Intro to Comm Disorders | 3 |
| CSDO 2306 | Clinical Writing in Comm Disor | 3 |
| **Semester Credit Hours** | | **16** |

| Junior | | |
| Fall | | Semester Credit Hours |
| CSDO 3320 | Intro to Research in CSDO- WIN | 3 |
| CSDO 3321 | Anat & Phys of Spch & Hrng Mech | 3 |
| CSDO 3325 | Phonetics | 3 |
| CSDO 3331 | Speech & Hearing Science | 3 |

Texas A&M International University 2021-2022 Catalog
Bachelor of Science in Public Health

Once accepted for admission into the program will have a hybrid-delivery format.

Admission requirements:

Admission to BSPH: Admission into the university follows all university guidelines and processes and may be done online. Students will be admitted into the pre-public health program and will be fully admitted into the program in their junior year; criteria to be considered for admission into the BSPH program include: [1] students must be fully admitted by TAMIU and must be declared a BSPH major, [2] completed the University Core Curriculum and all BSPH foundational coursework requirements, (3) meet the foreign language requirement, and [4] have a minimum cumulative 2.50 GPA (on a 0.0 - 4.0 scale).

Additional Requirements for BSPH prior to program admission at student expense are:

1. Completion of a criminal background check at student’s expense within 30 days of application and again prior to PHLT 4415 and PHLT 4416.
2. Provide proof of CPR certification prior to PHLT 4415 and PHLT 4416 at student expense.

3. The program requires that students have learning experiences with public/private agencies in the community. Prior to agency placement, based on the individual agency requirements and at student expense, students may be required to meet further agency requirements related to health requirements, background checks, and orientation.

Applications for admittance into the program is twice a year (spring and fall); the deadline for spring will be the first Tuesday in November and for fall the first Tuesday of May.

Program Mission

The mission of the Bachelor of Science in Public Health (BSPH) program, which is rooted in the larger University mission, is to educate students from diverse disciplines and backgrounds in core public health knowledge areas so that they are equipped to help prevent disease and promote physical and mental health and social well-being through public health practice, leadership, and research.

Program Learning Outcomes

TAMIU's BSPH will graduate students who will be knowledgeable and will be able to explain and apply an understanding of:

1. Foundations, history, and profession of public health and public health systems [Core Competencies (CC) 5,6].
2. Knowledge synthesized from sciences, mathematics, social sciences, humanities and other disciplines to develop a framework of culturally appropriate knowledge and practice relating to individual and population health [CC 2,3,5,6].
3. Utilization of critical thinking, problem solving, creativity, and the research process to identify and address public health issues/problems in a variety of settings [CC 1, 2, 6, 7].
4. Personal and social responsibility required to promote, advocate, and collaborate with others to meet the public health needs of individuals and communities [CC 4,5,8].
5. Effective oral, written, media, and online communication strategies/skills to educate and influence various community health stakeholders and public health policy [CC 3,4].
6. Epidemiology as part of a multidisciplinary approach in understanding disease causation and prevention in populations/communities [CC 1, 2, 6].
7. Systems thinking, organizational management, and leadership in public health [CC 2, 4, 7, 8]

Grading Criteria

The program will adhere to the university grading criteria. Please see below:

A 90-100
B 80-89
C 70-79
D 60-69
F Below 60, failure
Degree Requirements
HOURS REQUIRED

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

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*For the Life and Physical Sciences Core Component, students must choose from either BIOL 2301 and BIOL 2101 and BIOL 2302 and BIOL 2102 or BIOL 1306 and BIOL 1106 and BIOL 1311 and BIOL 1111.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study.

Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

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Bachelor of Science with a major in Kinesiology with a Concentration in Exercise Science (BS)

Degree Requirements
HOURS REQUIRED
120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation (p. 36)" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

<table>
<thead>
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<td>MATH 1342</td>
<td>Introductory Statistics</td>
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Common Body of Knowledge

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<th>Semester Credit Hours</th>
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<tr>
<td>KINE 1101</td>
<td>Aerobic Activities</td>
<td>1</td>
</tr>
<tr>
<td>KINE 1111</td>
<td>Weight Training&amp;Conditioning</td>
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<td>BIOL 2102</td>
<td>Anatomy &amp; Physiology II-Lab</td>
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<td>KINE 2300</td>
<td>Physical Fitness</td>
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<tr>
<td>KINE 2301</td>
<td>Foundations of Fitness&amp;Sports</td>
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<tr>
<td>KINE 2303</td>
<td>Care &amp; Preven of Athl Injuries</td>
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<td>KINE 2312</td>
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<td>Pathophysiology Allied Health</td>
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<td>KINE 3311</td>
<td>Physiology of Exercise</td>
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<td>Principles of Health Promo-WIN</td>
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<td>Tests and Evaluation</td>
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<td>KINE 3317</td>
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Concentration

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<td>KINE 4315</td>
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<td>KINE 4316</td>
<td>Princ of Motor Learn&amp;Control</td>
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<tr>
<td>KINE 4320</td>
<td>Special Topics in Kinesiology</td>
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Minor

The recommended minor option for the Exercise Science Concentration is Psychology from the College of Arts and Sciences. Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline.

Total Semester Credit Hours 120

* Students pursuing the kinesiology concentrations from the College of Nursing and Health Sciences, who wish to change to the certification program must meet the requirements for admission for the College of Education.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman
Fall

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<tbody>
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<td>MATH 1342</td>
<td>Introductory Statistics</td>
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</table>

Texas A&M International University 2021-2022 Catalog
All courses required for completion of the Bachelor of Science in Kinesiology Concentration in Health and Fitness degree can be completed in four calendar years of full time study. Information on tuition, fees, and length of program can be found on the University website.

Bachelor of Science with a Major in Kinesiology with a Concentration in Health & Fitness (BS)

Degree Requirements

HOURS REQUIRED

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

Code | Title |
--- | --- |
KINE 1101 | Aerobic Activities |
KINE 1111 | Weight Training&Conditioning |
KINE 2300 | Physical Fitness |
KINE 2303 | Care & Preven of Athl Injuries |
KINE 2322 | Pathophysiology Allied Health |
Creative Arts | 3 |

[University Core Curriculum] (p. 436) Select 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation" |

Common Body of Knowledge

Code | Title |
--- | --- |
KINE 1101 | Aerobic Activities |
KINE 1111 | Weight Training&Conditioning |
BIOI 2102 | Anatomy & Physiology II-Lab |
KINE 2300 | Physical Fitness |
KINE 2301 | Foundations of Fitness&Sports |
KINE 2303 | Care & Preven of Athl Injuries |
KINE 2312 | Anatomical Kinesiology |
KINE 2322 | Pathophysiology Allied Health |
KINE 3311 | Physiology of Exercise |
KINE 3312 | Principles of Health Promo-WIN |
KINE 3314 | Tests and Evaluation |
KINE 3316 | Psych Aspects of Sport&Exercis |
KINE 3317 | Nutrition for Exercise&Sports |
KINE 3318 | Fundamentals of Biomechanics |

Texas A&M International University 2021-2022 Catalog
### Kinesiology Concentration

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**Concentration**

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<td>KINE 4319</td>
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**Minor**

The recommended minor options for the Health and Fitness Concentration are Marketing and Management from the A. R. Sanchez, Jr., School of Business. Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline.

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the **Program of Study Requirements;** responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

#### Freshman

**Fall**

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<td>Lifespan Growth &amp; Development</td>
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Semester Credit Hours: 15

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Semester Credit Hours: 14

#### Sophomore

**Fall**

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<td>American National Government</td>
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Semester Credit Hours: 16

**Spring**

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<td>Care &amp; Preven of Athl Injuries</td>
<td>3</td>
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<td>KINE 2322</td>
<td>Pathophysiology Allied Health</td>
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<td>Creative Arts</td>
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<td>3</td>
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</table>

Semester Credit Hours: 15

#### Junior

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 3312</td>
<td>Principles of Health Promo-WIN</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3313</td>
<td>Essentials of Persnl Training</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3316</td>
<td>Psych Aspects of Sport &amp; Exercise</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3318</td>
<td>Fundamentals of Biomechanics</td>
<td>3</td>
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<tr>
<td>Minor/General Elective</td>
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Semester Credit Hours: 15

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
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<tbody>
<tr>
<td>KINE 3311</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3314</td>
<td>Tests and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3315</td>
<td>Scien Prin of Streng &amp; Conditi</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3317</td>
<td>Nutrition for Exercise &amp; Sports</td>
<td>3</td>
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Semester Credit Hours: 15

#### Senior

**Fall**

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<tr>
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<tbody>
<tr>
<td>KINE 4312</td>
<td>Adv Care &amp; Prevn of Athl Injur</td>
<td>3</td>
</tr>
<tr>
<td>KINE 4314</td>
<td>Psychology of Health</td>
<td>3</td>
</tr>
<tr>
<td>KINE 4318</td>
<td>Exercise Prescription</td>
<td>3</td>
</tr>
<tr>
<td>Adv. Minor/General Elective</td>
<td></td>
<td>3</td>
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<tr>
<td>Adv. Minor/General Elective</td>
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Semester Credit Hours: 15

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 4313</td>
<td>Therap Modali for Ath Trainers</td>
<td>3</td>
</tr>
<tr>
<td>KINE 4317</td>
<td>Foundations of Sports Mgt</td>
<td>3</td>
</tr>
<tr>
<td>KINE 4319</td>
<td>Practicum in Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>Adv. Minor/General Elective</td>
<td></td>
<td>3</td>
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<tr>
<td>Adv. Minor/General Elective</td>
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<td>3</td>
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</table>

Semester Credit Hours: 15

Total Semester Credit Hours: 120

* Students pursuing the kinesiology concentrations from the College of Nursing and Health Sciences, who wish to change to the certification program must meet the requirements for admission for the College of Education.
completed in four calendar years of full time study. Information on tuition, fees, and length of program can be found on the University website.

Some courses may require prerequisites not listed.

Bachelor of Science with a major in Kinesiology with a Concentration in Pre-Physical/Occupational Therapy (BS)

Degree Requirements

HOURS REQUIRED

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog and the General Requirements for Undergraduate degrees at the beginning of this section.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>[University Core Curriculum] (p. 436)</td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
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</table>

Common Body of Knowledge

KINE 1101  Aerobic Activities         1
KINE 1111  Weight Training & Conditioning  1
KINE 2300  Physical Fitness            3
KINE 3311  Physiology of Exercise       3
KINE 3312  Principles of Health Promo-WIN 3
KINE 3314  Tests and Evaluation         3
KINE 3315  Scien Prin of Streng & Condit 3
KINE 3316  Psych Aspects of Sport & Exerc 3
KINE 3317  Nutrition for Exercise & Sports 3
KINE 3318  Fundamentals of Biomechanics   3
KINE 4314  Psychology of Health         3
KINE 4318  Exercise Prescription        3
KINE 4319  Practicum in Kinesiology      3

Concentration

BIOL 1171  Human Biology-Lab              1
CHEM 1111  General Chemistry I-Lab        1
CHEM 1311  General Chemistry I            3
CHEM 1412  General Chemistry II           4
PHYS 1101  General Physics I Lab          1
PHYS 1301  General Physics I              3
PHYS 1102  General Physics II Lab         1
PHYS 1302  General Physics II             3
MATH 1316  Plane Trigonometry             3
PSYC 2314  Lifespan Growth & Development  3
BIOL 3403  Human Anatomy                   4
BIOL 3405  Human Physiology                4

Advanced Electives

Select 12 SCH at the 3000-4000 level  12

Total Semester Credit Hours  120

* Additional courses may be required depending on PT/OT program.

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

Fall

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>English Composition I</td>
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<tr>
<td>BIOL 1306</td>
<td>Principles of Biology I</td>
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<tr>
<td>BIOL 1106</td>
<td>Principles of Biology I-Lab</td>
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<tr>
<td>HIST 1301</td>
<td>The US to 1877</td>
<td>3</td>
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<tr>
<td>MATH 1342</td>
<td>Introductory Statistics</td>
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<td>UNIV 1201</td>
<td>Learn a Global Context I</td>
<td>2</td>
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Spring

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<thead>
<tr>
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<tbody>
<tr>
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<td>HIST 1302</td>
<td>The US Since 1877</td>
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<tr>
<td>BIOL 1371</td>
<td>Human Biology</td>
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<td>BIOL 1171</td>
<td>Human Biology-Lab</td>
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<tr>
<td>KINE 1101</td>
<td>Aerobic Activities</td>
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<td>KINE 1111</td>
<td>Weight Training &amp; Conditioning</td>
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</tr>
<tr>
<td>UNIV 1302</td>
<td>Signature Course</td>
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Sophomore

Fall

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<tr>
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<tr>
<td>CHEM 1111</td>
<td>General Chemistry I-Lab</td>
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</tr>
<tr>
<td>KINE 2300</td>
<td>Physical Fitness</td>
<td>3</td>
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<tr>
<td>PSCI 2305</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>PSYC 2301</td>
<td>Intro to Psychology</td>
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<td></td>
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Spring

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<tr>
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<tbody>
<tr>
<td>MATH 1316</td>
<td>Plane Trigonometry</td>
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<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
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<td>PSCI 2306</td>
<td>American State Government</td>
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<td>PSYC 2314</td>
<td>Lifespan Growth &amp; Development</td>
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<td>Language, Philosophy &amp; Culture</td>
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<tr>
<td></td>
<td>Semester Credit Hours</td>
<td>16</td>
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</tbody>
</table>
Texas A&M International University 2021-2022 Catalog

Undergraduate Information

Junior
Fall
PHYS 1301  General Physics I  3
PHYS 1101  General Physics I Lab  1
BIOL 3403  Human Anatomy  4
KINE 3311  Physiology of Exercise  3
KINE 3314  Tests and Evaluation  3

Semester Credit Hours  14

Spring
PHYS 1302  General Physics II  3
PHYS 1102  General Physics II Lab  1
BIOL 3405  Human Physiology  4
KINE 3312  Principles of Health Promo-WIN  3
KINE 3317  Nutrition for Exercise & Sports  3

Semester Credit Hours  14

Senior
Fall
KINE 3316  Psych Aspects of Sport & Exercise  3
KINE 3318  Fundamentals of Biomechanics  3
KINE 4318  Exercise Prescription  3
Adv. General Elective (3000-4000)  3

Semester Credit Hours  15

Spring
KINE 3315  Sci & Prin of Strenth & Condit  3
KINE 4319  Practicum in Kinesiology  3
KINE 4314  Psychology of Health  3
Adv. General Elective (3000-4000)  3
Adv. General Elective (3000-4000)  3

Semester Credit Hours  15

Total Semester Credit Hours  120

Kinesiology Minor

Code  Title  Semester Credit Hours

Minor Curriculum - Kinesiology

Required Courses:

KINE 3311  Physiology of Exercise  6
KINE 3318  Fundamentals of Biomechanics

Select 12 semester hours from:

KINE 3312  Principles of Health Promo-WIN
KINE 3313  Essentials of Personal Training

Public Health Minor

Code  Title  Semester Credit Hours

Minor Curriculum - Public Health

Required Courses:

PHLT 3301  Introduction to Public Health  3
PHLT 3304  Public Health Systems  3
PHLT 3308  Research Methods in Public Health  3
PHLT 3312  Global Health WIN  3
PHLT 3364  Biostats for Public Health  3
PHLT 4303  Epidemiology  3

Total Semester Credit Hours  18

University College

University College (UC) oversees freshman seminar, Readin the Globe (RG), University Honors, Undergraduate Research Program, Multidisciplinary Studies Degree (MDS), and the Academic Center for Excellence (ACE), which is composed of Advising & Retention (AR) and Academic Support (AS). These areas are spread across campus in the following buildings: Sue and Radcliffe Killam Library (KLM), Senator Judith Zaffirini Student Success Center (ZSC), and Dr. Billy F. Cowart Hall (CWT). The areas housed in KLM include freshman seminar (My Aspiration Plan), Developmental Education, faculty offices, and University Honors & Undergraduate Research Program. ACE—Advising & Retention is located in ZSC and ACE—Academic Support (AS) is located in CWT. The mission of University College is to empower students to become competent, resilient, and self-determined life-long learners. Utilizing collaborative academic and support programs, we aim to enhance the skills of every student through a personal empowerment path that fosters a learning community, critical thinking, and global citizenship. Students will be equipped with a growth mindset, a meaningful purpose, and a sense of belonging as they navigate through their education at TAMU.
My Aspiration Plan (MAP) and Academic Communities

First-time freshman are required to participate in TAMU’s My Aspiration Plan (MAP), which includes two semesters of course work as part of the Core Curriculum. In the fall semester, freshman participate in academic communities composed of a freshman seminar class (UNIV 1201) and one or more classes that may be linked to each other or to a particular academic discipline area. In the spring semester, freshman participate in Signature Courses (UNIV 1302) where students are exposed to interdisciplinary reasoning, critical thinking, and research skills through problem-based learning. UNIV 1201 and UNIV 1302 are designed to enhance students’ self-determination through a growth mindset which will help students to transition to the rigor and challenges of the college experience. University College provides academic support and peer mentoring through the Academic Center for Excellence (ACE).

DEVELOPMENTAL education

The goals of these courses are 1) to comply with the Texas Success Initiative (TSI) through an effective developmental education plan for each student based on their TSI diagnostic report; 2) prepare students for the rigor of the college core curriculum; 3) raise the persistence rates of under-prepared students; 4) teach successful learning and studying strategies; and 5) provide learning support through the Academic Center for Excellence (ACE).

Students requiring developmental education courses must complete 30 college level semester credit hours (SCH). Students who have not met this obligation will have their enrollment restricted to developmental courses only. A student may enroll in the same developmental course no more than three times.

Multi-Disciplinary Studies Degree (MDS)

The mission of the Multidisciplinary Studies (MDS) Program is to provide an avenue for students interested in studying more than a single discipline to develop a personalized degree. It is designed to diversify students in three areas of concentration instead of a single major. This program prepares students for a versatile world by encouraging reflection and leadership with positive social change through involvement with their community.

In order to graduate from the MDS Program, students must maintain a minimum institutional and overall GPA of 2.0 in all areas of concentration. Each concentration consists of eighteen (18) semester credit hours (SCHs), six (6) of the eighteen SCHs must be taken at Texas A&M International University. In the case of transfer students, a minimum overall grade average of “C” must also be maintained on the work attempted at this University.

Students are encouraged to declare their major in Multidisciplinary Studies (MDS) by the end of their freshmen year for timely graduation. This degree expands students’ marketability skills, communication, and leadership for the twenty-first century.

Degrees

Degrees

- Bachelor of Arts in Multidisciplinary Studies (p. 225)

Courses

AMAT 0400 Accelerated Beg & Int Algebra
This course focuses on a basic review of mathematic skills, including real numbers, geometry, linear equations, elementary algebra, mathematical reasoning, functions, graphs, linear inequalities, polynomials, rational expressions and equations and system of equations, while providing the necessary academic support. Students completing course successfully will earn University credit but not credit toward graduation.
Prerequisites: TSI placement or recommendation of TSI academic advisor.

CIRW 0330 Co-req int Read&Write
This course focuses on sentence level structure, effective sentence combining, and cohesive paragraph structure that builds toward a coherent piece of writing of some length. In addition to grammar mechanics, and language usage, this course integrates critical reading and academic writing skills, providing the necessary support for advanced developmental students who are taking entry level freshmen courses as the co-requisite with CIRW 0330. Students who register for CIRW 0330 must co-register in a designated entry level freshmen course. Students completing this course successfully will earn University credit but not credit toward graduation.
Prerequisites: TSI placement or recommendation of TSI academic advisor.

CMAT 0314 Co-requisite Dev for MATH 1314
This course focuses on a basic review of mathematical skills, including elementary algebra, mathematical reasoning, functions, graphs, linear inequalities and system of equations, while providing the necessary academic support for advanced developmental students concurrently enrolled in MATH 1314 as the co-requisite with CMAT 0314. Students who register for CMAT 0314 must co-register in MATH 1314. Students completing CMAT 0314 successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300, TSI placement, or recommendation of TSI academic advisor.

CMAT 0324 Co-requisite Dev for MATH 1324
This course focuses on a basic review of mathematical skills, including elementary algebra, mathematical reasoning, functions, graphs, linear inequalities, system of equations, discounts, finance, mark-ups, investments and statistics, while providing the necessary academic support for advanced developmental students concurrently enrolled in MATH 1324 as the co-requisite with CMAT 0324. Students who register for CMAT 0324 must co-register in MATH 1324. Students completing CMAT 0324 successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300, TSI placement, or recommendation of TSI academic advisor.
CMAT 0322 Co-requisite Dev for MATH 1322
This course focuses on a basic review of mathematical skills, including number concepts, computation, elementary algebra, mathematical and logical reasoning, while providing the necessary academic support for advanced developmental students concurrently enrolled in MATH 1322 as the co-requisite with CMAT 0322. Students who register for CMAT 0322 must co-register in MATH 1322. Students completing CMAT 0322 successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300, TSI placement, or recommendation of TSI academic advisor.

CMAT 0342 Co-requisite Dev for MATH 1342
This course focuses on a basic review of mathematical skills, including elementary algebra, mathematical reasoning, statistics, probability, and standard deviation, while providing the necessary academic support for advanced developmental students concurrently enrolled in MATH 1342 as the co-requisite with CMAT 0342. Students who register for CMAT 0342 must co-register in MATH 1342. Students completing CMAT 0342 successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300, TSI placement, or recommendation of TSI academic advisor.

DMAT 0300 Beginning Algebra
A study of real numbers, equations, linear inequalities, graphing linear equations, polynomials, and Euclidean geometry. Students completing course successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0010 or test placement

DMAT 0301 Intermediate Algebra
A study of real numbers, linear equations, graphs of polynomials, polynomial equations, rational expressions and equations, radical expressions and equations, and functions. Students completing course successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300 or test placement

DMAT 0314 Accelerated Inter Algebra
This course is paired with MATH 1314 and is designed to review mathematics skills, including number concepts, computation, elementary algebra, geometry and mathematical reasoning. It provides the necessary academic support for advanced developmental students concurrently enrolled in MATH 1314. Students completing the course successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300, test placement, or recommendation of TSI academic advisor.

UNIV 1102 Learn a Global Context II
Class focuses on information literacy, memory, communication and the role these topics play in successful academic progress. Writing and discussion groups promote academic success through core curriculum-focused assignments. An introduction to academic and student life resources through peer and faculty mentoring and awareness of university resources is also included, particularly as they apply to career choice through self-assessment and goal setting. Departmental Approval required.

UNIV 1201 Learn a Global Context I
This course focuses on developing life-long self-determination skills, specifically self-awareness, self-regulation, self-advocacy, and self-empowerment. Students will learn the importance of having a growing mindset, finding purpose and relevant engagement, and feeling a sense of belonging at TAMU. These concepts will be examined within an international Common Read, and through exploration of students’ career paths and financial literacy in relation to their goals.

UNIV 1302 Signature Course
This course builds on UNIV 1201 by expanding student focus from self-awareness to global awareness. Designed to introduce undergraduates to in-depth analysis from an interdisciplinary perspective, students will explore community issues through a problem-based approach. This course will foster community engagement by integrating University and other relevant resources.
Prerequisites: Successful completion or concurrent enrollment in UNIV 1201.

UNIV 2310 Found Civic Engage & Social Chng
This course provides students the opportunity to understand social issues and how they relate to community/society, and their roles as active citizens, as they are engage in critical reflection of civic experiences. This course develops a conceptual framework of various forms of civic engagement, its importance, and value.
Prerequisites: Sophomore standing or departmental approval.

UNIV 3320 Community Engmt & Agents of Chng
The purpose of this course is to examine how positive change in communities occurs; focusing on small and large scale social change. The course examines how individuals and communities envision, promote, and deliver change. Themes to be explored include communities of civic practice; organizational change; examples of agents of change involved in civic causes at the local, national, and international level; and the changes faced when initiating positive change.
Prerequisites: Junior standing or departmental approval.

UNIV 4390 Capstone Experience
The Capstone Experience course is required for all students enrolled in the Bachelor of Arts in Multidisciplinary Studies (MDS) and is designed to integrate student’s three areas of concentration. This course reinforces professional writing and communication skills through presentations and relevant applications in a community engagement project. Additionally, students will develop career-oriented skills by creating a portfolio that contains a personal mission statement, objective, and narrative. This course is graded CR/NC. A minimum of a 2.0 institutional GPA is required, as well as a minimum of a 2.0 cumulative GPA in each Area of Concentration for MDS students. Departmental approval is required.

UNIV 4399 Special Topics Course
This course examines selected contemporary issues in order for individuals, or small groups of students, to gain particular and/or additional knowledge in a given area of focus. Students demonstrate competence in the course through sustained critical investigation and evaluation of a chosen topic. May be repeated once when the topic changes.
Prerequisites: UNIV 1402 or consent from instructor.
Bachelor of Arts in Multidisciplinary Studies

Degree Requirements

Hours Required

120 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the "Requirements for Graduation" (p. 36) section of this catalog.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td></td>
<td>[University Core Curriculum] (p. 436)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 42 SCH as outlined in the suggested plans and as specified in the &quot;Requirements for Graduation&quot;</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Life &amp; Physical Science Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 1 SCH compatible with Life &amp; Physical Science course</td>
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</tr>
<tr>
<td></td>
<td>Foreign Language/Study Abroad</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 6 SCH in course work (not credit by exam) above the university’s foreign language graduation requirement. Thus students who meet the university’s foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMIU-approved Study Abroad program while living for at least 4 weeks in another country.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Major *</td>
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<tr>
<td></td>
<td>Select 57 SCH, including UNIV 4390, a maximum of 21 SCH and a minimum of 15 SCH at the 3000-4000 level in each of the three concentrations. The concentration areas must be chosen with Advisor’s consent (not to include more than one business or education discipline concentration) and department approved courses.</td>
<td>57</td>
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<tr>
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<td>General Electives</td>
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<tr>
<td></td>
<td>Select 14 SCH, at least 9 SCH of which must be at the 3000-4000 level</td>
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* List of approved Concentrations

- Art
- Business Administration
- Biology
- Chemistry
- Communication Disorders
- Communication
- Criminal Justice
- Dance
- Education
- English
- Geography
- Geology
- History
- Kinesiology
- Leadership
- Liberal Arts
- Mathematics
- Military Science
- Music
- Nursing
- Philosophy
- Physics
- Political Science
- Psychology
- Systems Engineering
- Sociology
- Spanish
- Theater Arts

Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online. (p. 36)

Freshman

<table>
<thead>
<tr>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 1301 English Composition I</td>
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<td>MATH 1314 College Algebra</td>
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<tr>
<td>HIST 1301 The US to 1877</td>
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<td>Concentration I</td>
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<td>Concentration II</td>
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<tr>
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Spring

<table>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 1302 English Composition II</td>
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<tr>
<td>HIST 1302 The US Since 1877</td>
<td>3</td>
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<tr>
<td>PSCI 2305 American National Government</td>
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</tr>
<tr>
<td>UNIV 1302 Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>Concentration III</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>
### Sophomore

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 2306 American State Government</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>Concentration I</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Credit Hours | 16

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life &amp; Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>Social/Behavioral Science</td>
<td>3</td>
</tr>
<tr>
<td>Concentration II</td>
<td>3</td>
</tr>
<tr>
<td>Concentration III</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>2</td>
</tr>
</tbody>
</table>

Semester Credit Hours | 15

### Junior

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advance Concentration I</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration II</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration III</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Credit Hours | 15

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advance Concentration I</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration II</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration III</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language/Study Abroad</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Credit Hours | 15

### Senior

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advance Concentration I</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration II</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration III</td>
<td>3</td>
</tr>
<tr>
<td>Advance General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Advance General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Credit Hours | 15

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIV 4390 Capstone Experience</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration I</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration II</td>
<td>3</td>
</tr>
<tr>
<td>Advance Concentration III</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Credit Hours | 12

Total Semester Credit Hours | 120

---

**Undergraduate Certificates**

- Business Leadership (p. 62)
- Civic Engagement (p. 227)
- English-Spanish Translation (p. 227)
- Entrepreneurship (p. 62)
- International Leadership (p. 228)
- International Studies (p. 229)
- Spanish Language (p. 230)
- Latin American Studies (p. 230)
- Oil and Gas Accounting (p. 231)
- Petroleum Engineering (p. 231)
- Transportation, International Trade & Logistics (p. 63)

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**Certificate in Business Leadership**

**Purpose:**

The Certificate in Business Leadership is an undergraduate certificate program which is designed to provide education for students desiring to enter the workplace with special skills and certification in business leadership. Specifically, students who successfully complete this 12 semester credit hours (SCH) will gain an understanding of business leadership theory, methods, and techniques. The program is designed for current undergraduate business majors.

Upon completion of this certificate program, students will be able to:

1. Apply business leadership skills to modern business operations.
2. Use business leadership theory to analyze managerial problems and opportunities.
3. Apply business leadership methods to entrepreneurial and small business situations.
4. Evaluate business leadership techniques for their applicability in understanding and solving business problems.
5. Solve business cases using business leadership methods.

**Criteria for Earning the Certificate:**

Students must complete the four courses in the program with at least a “C” in each course.

**Criteria for Admission:**

Students must be a current undergraduate student in the A.R. Sanchez, Jr. School of Business. Current business majors must be in good academic standing with a cumulative grade point average of 2.0 or higher.

Students interested in pursuing the Certificate in Business Leadership must complete the appropriate form with the School of Business as soon as possible, but no less than one semester before completion of their degree. The School of Business and the Office of the University...
Registrar will provide the documentation certifying the completion of the certificate.

Criteria for Earning the Certificate:
Students must complete the four courses in the program with at least a "C" in each course.

Courses in the Certificate Program

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3320</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4340</td>
<td>Leadership Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4360</td>
<td>Entrepreneurship &amp; Mgt of Innov</td>
<td>3</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Administration of the Certificate
The Certificate in Business Leadership is administrated by the A.R. Sanchez, Jr. School of Business and the Dean of the College is responsible for the oversight of the program.

For more information, contact:

- Maria M. Blasco
  WHT 204C
  956-326-2483
  maggie@tamiu.edu

- Anabelly Sanchez
  WHT 204A
  956-326-2489
  anabelly.sanchez@tamiu.edu

Civic Engagement Certificate

Purpose
The goal of the program is for students to become aware of their role in their community, actively participate and engage with community members, and learn how to use their academic background to instill positive social change. Through the certificate, students learn best practices in civic engagement, principles of social justice and equity, and become involved with communities through civic practice.

Student Learning Outcomes
Students in the program will:

- Develop increased awareness of community and/or social issues that are prevalent in society.
- Integrate and apply academic knowledge and skills such as effective communication, critical thinking, and leadership to engage in community and bring about positive social change within a variety of settings.
- Cultivate social responsibility and commitment to increased participation in public life as professionals, members of communities, and citizens.

Criteria for Admissions and Qualifications

- Submit an application to the Service Learning Center in ZSC 226 via email at servicelearning@tamiu.edu
- Minimum of 15 SCHs completed
- Minimum of 2.75 GPA for admission
- Be degree seeking student TAMIU
- Be in good academic standing

Criteria for Receiving the Certificate
Students must complete the following 4 courses in the program and at least 150 hours of CE related to the courses, with at least a C or better in each course:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIV 2310</td>
<td>Found Civic Engage &amp; Social Chng</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 3320</td>
<td>Community Engmt &amp; Agents of Chng</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 4310</td>
<td>Social Inequality</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 4317</td>
<td>Race &amp; Ethnic Relations</td>
<td></td>
</tr>
<tr>
<td>UNIV 4390</td>
<td>Capstone Experience (with 90 CE field</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>hours)</td>
<td></td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

English-Spanish Translation Certificate

Students can increase their career options and marketability by pursuing course work in Translation. The Translation program affords students a strong academic foundation in translation theory and praxis. To receive an Undergraduate Certificate in English-Spanish Translation, students must complete 12 credit hours of course work and receive a grade of B or better in each required TRAN course and a C or better in each elective course, with a 3.00 grade point average overall.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRAN 3350</td>
<td>Intro to Span &gt; Engl Translation</td>
<td>3</td>
</tr>
<tr>
<td>TRAN 3351</td>
<td>Intro to Engl &gt; Span Translation</td>
<td>3</td>
</tr>
<tr>
<td>Select 6 SCH from the following:</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>TRAN 4360</td>
<td>Intermediate Span &gt; Engl Trans</td>
<td></td>
</tr>
<tr>
<td>TRAN 4361</td>
<td>Intermediate Engl &gt; Span Trans</td>
<td></td>
</tr>
<tr>
<td>TRAN 4375</td>
<td>Special Topics in Translation</td>
<td></td>
</tr>
<tr>
<td>TRAN 4380</td>
<td>Fundamentals of Interpreting</td>
<td></td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Certificate in Entrepreneurship

Purpose:
The Certificate in Entrepreneurship is an undergraduate certificate program which is designed to provide education for students desiring to enter the workplace with an interest toward starting their own business.
with the skills needed to be successful in their entry into the business world. Specifically, students who successfully complete this 12 semester credit hours (SCH) will gain an understanding of basic accounting and how to set up the books of their new enterprise, how to effectively manage personnel in running their business, how to successfully promote their business, and how to be innovative in their entrepreneurial venture. The program is designed for current undergraduate students enrolled in Texas A&M International University.

Upon completion of this certificate program, students will be able to:

1. Use generally accepted accounting principles in the operations of their newly formed business enterprise.
2. Implement effective promotional and marketing tools to make their new business successful and competitive with other firms.
3. Be successful in the implementation of effective personnel management policies in their business.
4. Understand how to be innovative in making their business competitive alongside other comparable business competitors

Criteria for Admission

Students must be a current undergraduate student at Texas A&M International University. All majors must be in good academic standing with a cumulative grade point average of 2.0 or higher.

Students interested in pursuing the Certificate in Entrepreneurship must complete the appropriate form with the School of Business as soon as possible, but no less than one semester before completion of their degree. The School of Business and the Office of the University Registrar will provide the documentation certifying the completion of the certificate.

Criteria for Earning the Certificate

Students must complete the four courses in the program with at least a "C" in each of the four courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3310</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4360</td>
<td>Entrepreneurship&amp;Mgt of Innov</td>
<td>3</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Administration of the Certificate

The Certificate in Business Leadership is administrated by the A.R. Sanchez, Jr. School of Business and the Dean of the College is responsible for the oversight of the program.

For more information, contact:

- Maria M. Blasco
  WHT 204C
  956-326-2483
  maggie@tamiu.edu

International Leadership Certificate

TAMIU's international focus that brings together students and faculty from around the globe, along with the university's unique location on the US/Mexico border, provides a unique opportunity for students to discover and enhance their leadership skills in a setting that foreshadows the demands of the 21st Century community and workplace. In all degree fields, students’ potential for success will be enhanced through the intentional building of leadership skills. Through offering the opportunity to all students to develop the ability to lead, the university will graduate students fully prepared to become leaders in their chosen fields, in their community, in the state of Texas and in the national and international arena.

Criteria for Admission

The student must:

- be pursuing an academic major at TAMIU
- must be in good standing with the University and have a minimum 2.5 overall GPA
- submit an application for admission to the program to the Office of Student Orientation, Leadership and Engagement

Criteria for Earning the Certificate

The student must:

- successfully complete a minimum of four required courses and one co-curricular program noted below.
- attain at least a 2.75 GPA in the selected courses with no less than a "C" in any course

Each 3-credit course has been selected and/or developed based on its context and relevancy for fostering understanding of the learning outcomes associated with International Leadership. Currently, students are to choose one co-curricular program from Group 1, two courses from Group 2 and two courses from Group 3.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 3320</td>
<td>International Business</td>
<td>6</td>
</tr>
<tr>
<td>COMM 3308</td>
<td>Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 4320</td>
<td>Trends in International Comm</td>
<td></td>
</tr>
</tbody>
</table>

Requirements

**Group 1**

Select one program from the following:

- Freshman Leadership Organization
- Sophomore Leaders Involved in Change
- Leadership TAMIU

**Group 2**

Select two courses from the following:

- BA 3320
- COMM 3308
- COMM 4320
International Studies Certificate

This Certification is intended for undergraduate students in various disciplines across TAMU who are interested in pursuing careers in the Foreign Service, international institutions, non-governmental international organizations, and multinational corporations as well as those who recognize the importance of understanding international issues to virtually any career field. The undergraduate Certificate in International Studies allows students to enhance their degree program with a concentration in international studies. Completion of the requirements is certified by the Office of Global Initiatives/Binational Center (OGI/BINC) and the Office of the Registrar.

Internationalization is a process, which focuses on the social, legal, economic, political, and technological aspects of countries other than the United States. It often involves working with people from several disciplines to define a common goal. No single discipline can provide a thorough understanding of the globalization process. Rather, students must be exposed to several disciplines to obtain the holistic perspective required to analyze its complexity.

The Certificate in International Studies integrates a wide variety of junior and senior level courses and encourages a multidisciplinary approach. The student declares a major in an established academic department and then focuses in international studies as laid out in this certification. The Certification in International Studies meets the needs of the students and contributes to international issues.

Criteria for Admission and Qualification

The student must:

- Have completed 60 or more semester credit hours of coursework
- Be accepted in an established academic program at TAMU
- Submit an Application for the Certificate in International Studies program to the OGI/BINC located at LBV 301 or by email at binationalcenter@tamiu.edu

Criteria for Earning the Certificate in International Studies

The student must:

- Successfully complete a **minimum of four courses** herein listed as Approved Courses
- Attain at least a 2.75 GPA in the selected courses with **no less than a C** in any course
- Participate in at least one event scheduled by the OGI/BINC or one international series event, and write and submit a **500 word reflection paper** about your learning experience as relates to international studies. For more information on event to be attended, please contact our office at LBV 301 or 956-326-2834.
- Complete and submit an Exit International Studies Survey at the end of your coursework. Call us at 956-326-2834 to schedule an appointment for survey at least a month before graduation. Each 3-credit course has been selected based on its global context and relevancy for fostering cross-national understanding. It is not an exclusive list. Other courses such as an international capstone seminar or those taken under a study abroad experience may be accepted as alternatives to the ones listed below, subject to the approval of the OGI/BINC Advisor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 3402</td>
<td>Myth, Magic and Religion</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3410</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3310</td>
<td>Studies Art Hist &amp; Criticism</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3420</td>
<td>Trends in International Comm</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3424</td>
<td>Comparative Journalism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3326</td>
<td>British Lit from 1900 to WWII</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3352</td>
<td>World Folklore</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3360</td>
<td>History of Literary Thought</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3344</td>
<td>American Literary Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4391</td>
<td>International Service Learning</td>
<td>3</td>
</tr>
<tr>
<td>GEGG 3351</td>
<td>World History &amp; Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEGG 3352</td>
<td>Latin American Historical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEGG 3353</td>
<td>Political Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEGG 3395</td>
<td>Urban Historical Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3330</td>
<td>Colonial Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3380</td>
<td>Intellectual History of the US</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3394</td>
<td>Contemporary Islamic World</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4342</td>
<td>History of Africa Since 1880</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4345</td>
<td>Modern Europe: 1914-1990</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4391</td>
<td>Seminar in World History</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3385</td>
<td>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>PORT 3324</td>
<td>Luso-Brazilian Lit &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3305</td>
<td>Govt &amp; Politics of Europe</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3308</td>
<td>Latin American Pol Systems</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3310</td>
<td>Studies in Comp Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3340</td>
<td>International Law &amp; Org</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3353</td>
<td>Political Geography</td>
<td>3</td>
</tr>
</tbody>
</table>
Spanish Language Certificate

Students wishing to enhance career and personal opportunities are encouraged to develop and refine their reading, writing, and speaking skills in Spanish. As a means of officially recognizing high levels of proficiency in the Spanish language for non-Spanish majors or Spanish minors, the University awards a special notation of “Language Certification in Spanish” on transcripts of those undergraduate or graduate students in any major who complete the following Spanish courses with an overall 3.00 grade point average.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 2350</td>
<td>Intro to the Hispanic World</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3305</td>
<td>Spanish Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3317</td>
<td>Spanish Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4390</td>
<td>Span for Professional Purposes</td>
<td>3</td>
</tr>
</tbody>
</table>

Students who complete these courses with the requisite grade point average must request of the registrar that “Language Certification in Spanish” be noted on their transcripts.

Latin American Studies Certificate

Awareness of Latin American is a must for students interested in pursuing entry-level careers in the foreign service, international organizations, or multinational corporations. A Certificate in Latin American Studies allows them to enhance their skills and expertise with a broad knowledge of this primary geographical region. Completion of the requirements is certified by the Office of Global Initiatives/Binational Center (OGI/BINC) and the Office of the Registrar.

The rapid growth in relation between the United States and Latin American has created the need for professionals who are able to bridge both cultures. TAMU’s international faculty and the University’s location on the US-Mexico border make the Certificate in Latin American Studies an especially attractive option for students.

This Certificate in Latin American Studies provides undergraduate students with specialized expertise for a variety of careers in business, government, and public service related to Latin America. It allows integration of an assortment of junior and senior level courses and encourages a multidisciplinary approach to meet the needs of the students. The broad offering of courses allows students to select those most appropriate to complement their major course of studies. This Certificate in Latin American Studies also proves useful both in terms of potential career opportunities and in contribution to the issues the region faces.

Criteria for Admission and Qualification

The student must:
- have a Junior or Senior standing
- be accepted in an established academic program at TAMIU
- submit an Application for the Certificate in Latin American Studies program to the OGI/BINC located at LBV 301 or by email at binationalcenter@tamiu.edu

Criteria for Receiving the Certificate in Latin American Studies

The student must:
- Successfully complete a minimum of four courses herein listed as Approved Courses
· Attain at least a 2.75 GPA in the selected courses with no less than a C in any course

· Participate in at least one event scheduled by the OGI/BINC or one international speaker series event, and write and submit a 500 word reflection paper about your learning experience as relates to Latin American studies. For more information on event to be attended, please contact our office at LBV 301 or 956-326-2834.

· Complete and submit an Exit Latin American Studies Survey at the end of your coursework. Call us at 956-326-2834 to schedule an appointment for survey at least a month before graduation.

Each 3-credit course has been selected based on its context and relevancy for fostering understanding of the Latin American region. It is not an exclusive list. Courses that also offer a regional perspective or those taken under a study abroad experience may be accepted as alternatives to the ones listed below, subject to the approval of the OGI/BINC Advisor.

Students interested in pursuing the Certificate in Latin American Studies should register with the OGI/BINC and meet with its advisor if necessary. Students must complete and submit the appropriate form to the OGI/BINC at Lamar Bruni Vergara Science Center 301D or binationalcenter@tamiu.edu as soon as possible, but no less than one month before completion of their degree. Certificates will be processed at the end of the students’ final semester of coursework and the OGI/BINC and the Office of the Registrar will provide the documentation certifying the completion of the certification after graduation.

### Oil and Gas Accounting Certificate

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 4380</td>
<td>Oil &amp; Gas Acc Colloquium</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3360</td>
<td>Oil and Gas Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4360</td>
<td>Oil and Gas Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4380</td>
<td>Oil &amp; Gas Acc Colloquium</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 12

Students interested in pursuing the Certificate in Oil and Gas Accounting should register with the School of Business and meet with its advisor. If pursuing a degree, students must complete the appropriate form with the School of Business as soon as possible, but no less than one semester before completion of their degree. The School of Business and the Office of the Registrar will provide the documentation certifying the completion of the certificate.

### Petroleum Engineering Certificate

#### Overview

The oil and gas industry is a multidisciplinary field that use engineering and science to extract and enhance hydrocarbon recovery through innovative and cost effective strategies to provide energy across the world. One of the largest shale plays is the Eagle Ford, which is located in South Texas, gives TAMU a unique geographical location to provide the necessary education and research to support the local community job opportunities in the oil and gas industry.

The objective of the Petroleum Engineering Certificate is to provide students with the necessary background in petroleum engineering fundamentals to pursue career in the oil and gas industry. The certificate provides the fundamental knowledge in the main areas of petroleum engineering, which includes reservoir petrophysics, reservoir engineering, drilling and production engineering.

#### Admission Criteria

The Petroleum Engineering Certificate follows TAMU regulations. Students interested in pursuing a certificate in Petroleum Engineering should register with the School of Engineering and meet with one of the petroleum engineering faculty. The general admission criteria are:

- Engineering background with the required engineering course prerequisites.
- Be in academic good standing with minimum GPA of 2.5.

#### Certificate Criteria

To earn the certificate, candidate must:

- Successfully complete the minimum required courses.
- Attend at least one event scheduled by the OGI/BINC or one international speaker series event, and write and submit a 500 word reflection paper about your learning experience as relates to Latin American studies. For more information on event to be attended, please contact our office at LBV 301 or 956-326-2834.
- Complete and submit an Exit Latin American Studies Survey at the end of your coursework. Call us at 956-326-2834 to schedule an appointment for survey at least a month before graduation.

Each 3-credit course has been selected based on its context and relevancy for fostering understanding of the Latin American region. It is not an exclusive list. Courses that also offer a regional perspective or those taken under a study abroad experience may be accepted as alternatives to the ones listed below, subject to the approval of the OGI/BINC Advisor.

Students interested in pursuing the Certificate in Latin American Studies should register with the OGI/BINC and meet with its advisor if necessary. Students must complete and submit the appropriate form to the OGI/BINC at Lamar Bruni Vergara Science Center 301D or binationalcenter@tamiu.edu as soon as possible, but no less than one month before completion of their degree. Certificates will be processed at the end of the students’ final semester of coursework and the OGI/BINC and the Office of the Registrar will provide the documentation certifying the completion of the certification after graduation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 4320</td>
<td>Trends in International Comm</td>
<td>3</td>
</tr>
<tr>
<td>COMM 4324</td>
<td>Comparative Journalism</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3352</td>
<td>Latin American Historical Geog</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3330</td>
<td>Colonial Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3331</td>
<td>Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3332</td>
<td>Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3385</td>
<td>Mexican American History</td>
<td>3</td>
</tr>
<tr>
<td>PORT 3324</td>
<td>Luso-Brazilian Lit&amp;Culture</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3308</td>
<td>Latin American Pol Systems</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4307</td>
<td>The Interamerican System</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 4309</td>
<td>Mexican Politics &amp; Government</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 3307</td>
<td>U.S.-Mexico Border Subcultures</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 3308</td>
<td>Latin American Cultures</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 4317</td>
<td>Race&amp;Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 4318</td>
<td>Globalization</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3323</td>
<td>Stud in Span Am Lit: Conq-Mod</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3326</td>
<td>Stud Span Am Lit: 19th &amp; 20th</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4309</td>
<td>Mexican Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4317</td>
<td>Hispanic Folklore</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4371</td>
<td>Hispanic Culture</td>
<td>3</td>
</tr>
<tr>
<td>A. R. Sanchez, Jr. School of Business</td>
<td>Latin American Economics Iss</td>
<td>3</td>
</tr>
</tbody>
</table>

Texas A&M International University 2021-2022 Catalog
Certificate in Transportation, International Trade, and Logistics

Purpose:
The Certificate in International Trade and Logistics is an undergraduate level certificate program which is designed to add specialized education for students desiring to enter the workplace in the International Trade arena. Specifically, students who successfully complete this 12 SCH will gain an effective working knowledge of Import and Export procedures, International Trade legal environment and Global Supply Chain Logistics and Security aspects in this all important globally expanding trade and logistics activity.

The program is designed for business majors, either current or past who would like to secure an easy entry into International Trade and associated careers of Customs Broking, Logistics, and Customs and Border Protection services. The program is open for non-business students that have at least two years of work experience beyond a high school diploma, in international trade and associated activities with the approval of admissions committee.

The course work under this certification is intended to be of interest to veterans who may already have basic training in military logistics to pursue as a transition path into civilian life thus becoming a “troops to trade” career option. Towards this goal, it’s also contemplated as a desired objective that a student completing this certification be sufficiently motivated and empowered to sit for and obtain a Custom Broker License (subject to meeting the Customs and Border Protection’s other requirements in that respect).

Upon completion of this certificate program, students will have a reasonable working knowledge of transportation and international trade activities to be able to:

1. Describe the domestic and international freight and passenger transportation environment in which users (shippers, receivers, passengers), providers (carriers) and the government (federal, state, local) operate.
2. Evaluate and apply the practical aspects of export and import management (shipping and documentation procedures) by and for international businesses.
3. Describe the basic legal forms of international trade and business.
4. Discern the critical transportation management issues and challenges in the movement of goods through the global supply chains.
5. Identify the roles and dimensions of Harmonization, Information Technology, and Risk Management in a global supply chain.

Criteria for Admission
For students wanting to pursue this certification as part of their undergraduate diploma: They must be current undergraduate majors in the A.R. Sanchez, Jr. School of Business or other colleges in TAMIU in good standing with a cumulative grade point average of 2.0.

For military personnel and students wanting to pursue this certification as a stand-alone certification: They must have two or more years of military service or have at least two years of work experience beyond a high school diploma, in international trade and associated activities and the approval of admissions committee.

Students interested in pursuing the Certificate in International Trade and Logistics should register with the School of Business and meet (in person, or via Skype or conference call) with its advisor (for approval of work experience). If pursuing a degree on TAMIU campus, students must complete the appropriate form with the School of Business as soon as possible, but no less than one semester before completion of their degree. The School of Business and the Office of the Registrar will provide the documentation certifying the completion of the certificate.

The Certificate in International Trade and Logistics is administrated by the A.R. Sanchez, Jr. School of Business and the Dean of the College is responsible for the oversight of the program.

Criteria for Earning the Certificate
Students must complete any four of the five courses below with no less than a C in each of them as listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIL 3310</td>
<td>Principles of Transportation</td>
<td>3</td>
</tr>
<tr>
<td>TIL 3311</td>
<td>Export/Import Operations&amp;Pra</td>
<td>3</td>
</tr>
<tr>
<td>TIL 3350</td>
<td>Global Business Logistics</td>
<td>3</td>
</tr>
<tr>
<td>TIL 3360</td>
<td>Supply Chain Security &amp; Comp</td>
<td>3</td>
</tr>
<tr>
<td>BA 3315</td>
<td>Intro Int’l Commercial Law</td>
<td>3</td>
</tr>
</tbody>
</table>
GRADUATE INFORMATION

Texas A&M International University is an equal opportunity educational institution. In compliance with Title VII of the Civil Rights Act of 1964 and Executive Order 11246, Texas A&M International University is open to all persons regardless of race, color, religion, sex, national origin, age, disability, disabled veteran or veteran of the Vietnam Era who are otherwise eligible for admission as students.

Admissions

Graduate Admissions

A person who has earned a baccalaureate degree and is working toward earning university credit hours is considered a graduate student.

The Graduate School receives and processes the applications for graduate admission and any additional supporting documentation. It also coordinates the evaluation of the application by the program or department Graduate Admissions Committee and informs the applicant of the final admission decision.

Applicants should check for other specific program admission requirements listed under the “Graduate Degrees” section of this catalog. Admission to any graduate program is granted by program or department Graduate Admissions Committees or by an established automatic admission decision policy by the program or department Graduate Admissions Committee. The student’s entire record will be considered including the completed application for admission, undergraduate overall GPA, upper level GPA, GPA in the discipline, a student narrative, letters of recommendation, GRE or GMAT scores (evaluated in compliance with HB 1641), interview, and professional and/or academic experience.

Students who are not in good standing in a graduate program and/or wish to apply to a different graduate program, must submit an application for graduate admission to the new program and must be reviewed by the new program or department Graduate Admissions Committees.

Graduate Admission Statuses

Full admission may be granted to students who submit all required documentation and meet program requirements as determined by the Graduate Admissions Committee of the program or department.

Provisional admission may be granted to students who have not submitted all supporting documentation or test scores. The students will be allowed to enroll for up to 6 graduate semester credit hours before being required to submit all pending supporting documentation for review. Provisional admission is not available for all degree programs and is not available for international students. Students should check with the chair of the department/division delivering the program to determine provisional admission availability. Provisional admission does not guarantee full admission after all supporting documentation is received and reviewed. The Graduate Admissions Committee of the program or department will render the final decision.

Probationary admission may be granted to students who have submitted all documents for admission but do not meet all requirements for full admission such as a low overall grade point average, low GRE/GMAT scores, failure to meet program or department requirements, or a lack of an appropriate background for the chosen program. Probationary admission will be changed to full admission upon completion of 12 semester credit hours with a 3.0 or better overall graduate grade point average and once the student has met any additional requirements imposed by the department.

Deferment of admission may be requested by students wishing to defer their offer of admission to a future term. They may make such requests by utilizing the Change of Entry Form available from the Graduate School. Deferrals will only be granted for a term of up to one year from the offer of admissions and the degree that is being sought remains the same. Students who defer their admission for more than one year will have to reapply.

The College of Arts and Sciences (COAS) reviews applicants prior to the beginning of each long semester. Master program applicants for the MA in Counseling Psychology must submit satisfactory GRE scores to be admitted. The Biology and Counseling Psychology programs do not offer provisional admission.

The A. R. Sanchez, Jr. School of Business (ARSSB) Graduate Admissions Committee will make admission recommendations based upon review of the applicant’s upper level grade point average, standardized test scores (e.g., GMAT/GRE/EXAMEN DE ADMISION), statement of purpose, resume, and two letters of recommendation. Students admitted with conditions must satisfactorily complete those conditions in order to remain in graduate school.

The College of Education (COED) reviews applicants for admission to its graduate programs prior to the beginning of each semester. Applicants are reviewed on the basis of their completed application for graduate school, academic record as reflected on transcripts, letters of recommendation, interviews, and other relevant documentation. The College of Education, if looking to grant students an admission status, only grants full admission due to accreditation and state regulations.

The Canseco School of Nursing in the College of Nursing and Health Sciences (CNHS) reviews applicants for the FNP program in March prior to the beginning of graduate coursework in the Summer. Nursing Administration applications are reviewed on a continuous basis. All MSN program applicants must apply directly to the Graduate School.

General Admission Requirements

To be admitted to the University as a Graduate or Post-Baccalaureate Student, an applicant must submit the following documentation to the Graduate School (for additional program requirements visit the Graduate Degrees section of this catalog):

1. Application for Graduate Admission
2. Graduate Application Fee of $35.00. International Graduate Student Application Fee of $50.00
3. Official College/University Transcript(s) from institutions other than Texas A&M International University must be sent directly from each institution attended. Degree(s) must be posted on transcript. The degree must be from a college or university of recognized standing. Degrees and transcripts from institutions outside the U.S. will be evaluated for equivalency to U.S. degrees according to generally accepted practices in higher education.

Texas A&M International University 2021-2022 Catalog
4. Official Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT) scores are required only if pursuing certain degrees. Official test scores must be sent directly from Educational Testing Service (ETS) or Graduate Management Admission Council (GMAC), and they must be dated within five years of enrollment. In programs requiring test scores, no full admission decision will be processed prior to the receipt of GRE or GMAT score.
   • Graduate programs in the College of Arts and Sciences do not require that applicants take the GRE, with the exception of the MA in Counseling Psychology.
   • The A. R. Sanchez, Jr. School of Business does not require standardized test scores (GRE, GMAT, Examen de Admisión, or EXANI III) for master program applicants whose undergraduate upper level grade point average is a 3.0 or higher or who have earned an advanced U.S. degree (masters, law, doctorate) or its equivalent from another country. Students pursuing the MBA taught in Spanish and needing to submit standardized test scores may choose to take the Examen de Admisión or the EXANI III. Doctoral applicants will be required to submit either GMAT or GRE scores. No admission decision will be made prior to the receipt of a GMAT or GRE score for doctoral applicants or master applicants needing to submit test scores.
   • The College of Education and College of Nursing and Health Sciences do not require the GRE.
     • Applicants to individual colleges who have obtained a Master’s or Law degree from a regionally accredited institution may be exempt from the GRE.

5. The Test of English as a Foreign Language (TOEFL), International English Language Testing System (IELTS), or Pearson PTE Academic is required of all students having academic studies from a country where English is not the native language. A minimum TOEFL score of 79 (ibt TOEFL), 550 (Paper-based), a 6.5 on the IELTS, or a 53 Pearson PTE Academic is required. These exam scores must be sent directly from the testing service and dated within two (2) years of enrollment. Institutional TOEFL exams taken at another institution will not be accepted. (If seeking exemption from this submission refer to TOEFL EXEMPTIONS section for this information.)
   • For Ph.D. in International Business Administration applicants, a minimum TOEFL score of 100 (ibt TOEFL) or 600 (paper-based) or 7.0 on the IELTS is required for consideration for admission to the doctoral program; however, an applicant who has received a graduate degree from an Association to Advance Collegiate Schools of Business (AACSB) accredited U.S. institution within two years of the date of application may be exempt from this requirement.

TOEFL Exemptions
   • One year of full-time academic studies (does not include developmental or ESL courses) at an accredited U. S. College or University with satisfactory grades OR
   • U. S. High School graduate who completed all high school requirements satisfactorily within 10 years of enrollment OR
   • When English is the official native language of the applicant’s country OR
   • When Spanish is the official native language of the applicant’s country and the student is pursuing the Master of Business Administration taught in Spanish or the Master of Arts with a major and minor in Spanish OR
   • Completion of level six with a grade of B or better from the International Language Institute at A&M International University, or from the Texas Intensive English Program (TIEP) affiliated with any of the Texas International Education Consortium (TIEC) member institutions OR
   • GRE Verbal score of 145 or higher and sent directly from ETS, taken within five years of enrollment (excludes Ph.D. in International Business applicants OR
   • GMAT Verbal score of 22 or higher and sent directly from ETS, taken within five years of enrollment (excludes Ph.D. in International Business applicants).
   • Applicants from the following countries do not need to submit a TOEFL score:
     • American Samoa
     • Australia
     • Bahamas
     • Barbados
     • Belize
     • Canada (except Quebec)
     • Dominica
     • Grenada
     • Grand Cayman
     • Ireland
     • Jamaica
     • Liberia
     • New Zealand
     • Guyana
     • Sierra Leone
     • Trinidad/Tobago
     • United Kingdom
     • U.S. Pacific Trust

Note: International students must also submit requirements listed under ADDITIONAL INTERNATIONAL STUDENT ADMISSION REQUIREMENTS.

ADDITIONAL INTERNATIONAL STUDENT ADMISSION REQUIREMENTS

A person who is not a citizen or Permanent Resident Alien of the United States is considered an International Student.

To be admitted as an International Student, an applicant must submit all of the required documentation according to the student’s classification. (Refer to the GENERAL ADMISSION REQUIREMENTS section for this information). All international documents must be translated to English and submitted by the published deadline. In addition, International students must submit the Official Certificate of Graduation, indicating the degree and date of completion, which must be translated to English and sent directly from the institution to the Graduate School. Students who graduated from Mexican institutions must present an original Titulo to be photocopied at the Graduate School. The Carta de Pasante will not be accepted.
Upon completion of the application process, successful applicants will be contacted by the Office of International Engagement to be issued an I-20. Students with an F-1 Student Visa are required to enroll full-time at Texas A&M International University. International Students are required to report any change in status immediately to the University Foreign Student Advisor located in the International Engagement department. For more information regarding student visa requirements, please contact International Engagement by phone at (956) 326-2282 or by email at international@tamiu.edu (iss@tamiu.edu).

Immigration documents such as passport, I-94 and I-20 ID or DS-2019 must be carried at all times. This is in compliance with the Immigration and Nationality Act, December 24, 1952, Section 264(e).

Special Non-Degree Student Admission Information

A person who is earning university credits which are not applicable to a degree at Texas A&M International University is considered a special non-degree student. It is the policy of this institution to allow any student to enroll in any course for enrichment or other purpose, as long as the prerequisites are met or exceptions to these requirements are approved.

Individuals wishing to take courses for personal growth may register for up to twelve hours as non-degree seeking. These courses may not be applicable to a degree program.

Students classified under this category are not entitled to claim the prerogative of graduating under the provisions of the catalog in force at the time of initial enrollment. Students may, on their own initiative, request at any time to be reclassified as a regular degree-seeking student. An updated application for admission with a written request for reclassification should be submitted to the Graduate School. The student will then become responsible for satisfying the requirements of the catalog in force at the time of the request or any subsequent catalog within the established five-year period of limitation (six-years in the case of some master’s programs). For additional information call the Graduate School at (956) 326-3020.

Graduate Study for Undergraduate Student Requirements

Students wishing to take graduate courses while they are enrolled as undergraduate students may submit an Undergraduate Enrollment in Graduate Course Form to the Graduate School to make this request.

A senior student in the last semester or summer session of undergraduate work may complete a normal load with graduate work as provided below:

- Must be within 15 semester credit hours of graduation
- Must have a 3.0 cumulative grade point average in upper-division work
- Must not enroll for more than 15 semester credit hours total and must not enroll for more than 6 semester credit hours of graduate work
- Cannot count work in graduate courses towards the bachelor’s degree. Graduate courses will be reserved for credit toward the graduate degree when fully accepted into a graduate program.

- Must have approval from the Department/Division Chair and the Dean of the College in which the work is offered.

For additional information or to access the Undergraduate Enrollment in Graduate Course Form, contact the Graduate School by phone at (956) 326-3020 or via e-mail at graduateschool@tamiu.edu.

Residency for Tuition Purposes

All students who are U. S. citizens or Permanent Resident Aliens or persons permitted by the Government of the United States to domicile under certain visas, and who have established a domicile in Texas, are eligible to pay in-state tuition if they meet all requirements as set forth in the Texas Higher Education Coordinating Board’s official publication, “Rules and Regulations-Residency Status.” This publication may be obtained from the Residency Determining Officer(s) for the University at the Office of Admissions and the Graduate School. Information on these rules and regulations is also available at the THECB website at http://www.thecb.state.tx.us/.

Texas Higher Education Coordinating Board’s official publication, “Rules and Regulations-Residency Status” delineates certain instances where certain non-resident students can be allowed pay in-state tuition. Information on these rules and regulations is also available at the THECB website at http://www.thecb.state.tx.us/.

Reclassification for Residency for Tuition Purposes

Approval for reclassification of an enrolled student from non-resident to resident, or from resident to non-resident will be considered upon review of any proof presented to the Residency Determining Officer(s) which substantiates the need for the change. To receive approval the student must submit the proper documentation to the Office of Admissions or the Graduate School.

Other Exemptions

Other exemptions have been approved by the State Legislature in recent years. Please visit the Texas Higher Education Coordinating Board’s web site at http://www.thecb.state.tx.us to find out about specific visas or early eligibility exemptions. For more detailed information on these exemptions or waivers call the Residency Determining Officer(s) at the Office of Admissions at (956) 326-2200 or the Graduate School at (956) 326-3020.

Academic Regulations

Definition of a Student

The term “student” includes all persons who have been offered admission, and/or who are taking courses at the University, either full-time or part-time, pursuing undergraduate, graduate, doctoral, or professional studies, and who are either currently enrolled or was enrolled in the previous semester and registered for a future semester. Persons who withdraw after allegedly violating the Student Conduct Code, or who are not officially enrolled for a particular term but who have a continuing relationship with the University are considered students. In addition, persons who are enrolled with the Intensive Language Institute are also...
considered “students”, for the purpose of enforcing the student code of conduct.

General Requirements for Graduate Degrees

1. Character of Graduate Work: The principal aim of graduate study is to develop a student’s ability to engage in independent work. Consequently, the character of work expected of graduate students is significantly different from that of undergraduate students. To prepare students to engage in independent work faculty members act as facilitators who develop graduate students into active learners. Graduate students are expected to demonstrate an in-depth knowledge and comprehension of the subject matter in their respective disciplines. Graduate students are also expected to demonstrate how to apply, analyze, synthesize and evaluate their discipline specific body of knowledge through superior written and oral communication skills.

2. Hours Required: 30 to 60 hours of approved graduate courses depending on the degree. No more than six (6) hours of 4000 level coursework may be used to satisfy degree requirements.

3. Transfer of Graduate-Level Study: A maximum of twelve (12) semester hours with a minimum grade of 3.0 (“B”) on a 4.0 scale can be transferred into a master’s program with the consent of the Program Director and Department Chair. In the A.R. Sanchez, Jr. School of Business, transfer credit applies solely to elective/concentration courses; required courses that are part of the business graduate curriculum must be completed in residence.

4. Grades Required: A minimum grade point average of 3.0 (“B”) on a 4.0 point scale computed on all graduate work attempted must be maintained as well as in the major/concentration and in the minor. No more than three (3) semester credit hours with a letter grade of “C” earned at this university will be accepted as credit for a master’s degree. Exception: No grade below 3.0 (“B”) will be accepted for the MA in Counseling Psychology.

5. Correspondence Work: In no case will courses taken by correspondence be accepted for graduate credit.

6. Graduation Under a Particular Catalog: A degree seeking student may receive his/her master’s degree upon satisfying the requirements of the catalog under which he/she first earned resident credit for graduate work, or upon satisfying the requirements of the catalog of any subsequent year in which he/she earned credit as a resident student in the University. All requirements for a master’s degree must be completed within a period of five years or within the time specified for the particular program. No credit more than five years old, or within the time specified for the particular program, counting from the catalog year in effect at registration, will be recognized as graduate credit applicable toward a graduate degree. Students whose coursework has expired may repeat the expired course(s) or request an appropriate substitute or request a waiver. Waivers must be in writing, and approved by the program faculty, Department Chair, College Dean, and Graduate School Dean.

7. Conferring of Degrees: No degree will be conferred except publicly and on Commencement Day of the spring and fall semesters.

Enrollment - General Information

The semester hour is the unit of credit and is defined as the amount of credit given for one recitation hour a week for one semester. Each recitation hour requires two hours of preparation on the part of the average student. Three hours of carefully planned and supervised laboratory work are equivalent to one hour of lecture or recitation.

Normal Load: the normal load for a graduate student for a long semester is nine (9) semester credit hours. The normal load for summer school is six (6) semester credit hours per session. For a graduate student employed full-time, the University recommends a load of six (6) semester credit hours each long semester.

Full-Time: a full-time graduate student is defined as one carrying a minimum load of six (6) semester credit hours during a long semester. A graduate student registered for fewer than six (6) semester credit hours is considered a part-time student.

Half-Time: a half-time graduate student is defined as one carrying a minimum load of three (3) semester credit hours during a long semester.

Maximum Number of Hours: the maximum load for a full-time graduate student is twelve (12) semester credit hours per semester and six (6) semester credit hours each summer term. Any semester credit hour load in excess of the maximum load must be approved by the Dean of the appropriate College.

A graduate student may enroll for up to nine (9) semester credit hours in one summer session only if he/she meets both of the following criteria:

- needs the nine semester credit hours to complete graduation and/or certification requirements in August; and
- has at least a 3.5/4.0 grade point average based on all valid graduate course work taken up to the present time. Total semester credit hours earned in the summer may not exceed fifteen (15) semester credit hours.

Course Information

The term “course” shall be understood to mean a definite unit of work in a subject and may continue through two semesters. Credit allowed for each course is written out in full immediately following the title of the course. Example: HIST 5305 Civil War and Reconstruction. Three semester hours.

Graduate Courses: Courses numbered at the 5000-level are open only to students pursuing a master’s degree. Courses numbered at the 6000-level and above are open only to students pursuing a doctoral degree. Some courses at the 4000-level carry graduate as well as undergraduate credit (not available in the A. R. Sanchez, Jr. School of Business). These courses are identified in the course description section for each College.

Repetition of a Course: Courses applicable to a graduate degree may not be repeated for credit unless prescribed during the admissions or Scholastic Deficiency processes. It is the policy of the University to count only the last grade received in the course, whether passing or failing, other than a grade of “W” (see Grades below).

Grading Policies

Grades are recorded from “A” to “D/F”, inclusive, and are available via the web to each student at the end of each semester. Numerical values corresponding to these letters are as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Numerical Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
<td>excellent</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
<td>good</td>
</tr>
</tbody>
</table>
The College of Education has adopted the following grading scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>F</td>
<td>Below 60, failure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FN</td>
<td>Failure for Non-Attendance</td>
</tr>
<tr>
<td>S/CR</td>
<td>Satisfactory (credit)</td>
</tr>
<tr>
<td>U/NC</td>
<td>Unsatisfactory (no credit)</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
</tr>
<tr>
<td>W</td>
<td>Dropped or withdrawn</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
</tbody>
</table>

No more than one course with the grade of "C" will be accepted as credit for any master's degree. Exception: No grades below "B" will be accepted for the Master of Arts in Counseling Psychology degree.

The College of Education has adopted the following grading scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>F</td>
<td>Below 70, failure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FN</td>
<td>Failure for Non-Attendance</td>
</tr>
<tr>
<td>S/CR</td>
<td>Satisfactory/Credit/Pass</td>
</tr>
<tr>
<td>U/NC</td>
<td>Unsatisfactory/Non-Credit</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
</tr>
<tr>
<td>W</td>
<td>Dropped or withdrawn</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
</tbody>
</table>

The College of Nursing and Health Sciences Graduate Nursing Program grading policy stipulates the following:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>F</td>
<td>Below 70, failure</td>
</tr>
</tbody>
</table>

Graduates must maintain a GPA of B (80/100) or above to progress and graduate from a master's program in the CONHS. Students must pass both clinical and theory components of a course in order to pass that course. A master's student in the CONHS may receive no more than two C's during the course of graduate study.

CR/NC, Credit/No Credit: Courses taken in residence on credit/no credit basis are not computed in the grade point average. Special projects designed to provide staff development for teachers and which carry academic credit will be taken on the credit/no credit basis. Grades assigned will be "CR" for satisfactory completion of the objectives and "NC" for unsatisfactory completion of the objectives, and these grades may not be used to satisfy degree requirements.

S/U, Satisfactory/Unsatisfactory: This grading criteria applies only to courses in the A. R. Sanchez, Jr. School of Business. This grade can be given for only predesignated courses and may be used to satisfy degree requirements (e.g., business internships). For graduate students, a grade of "S" indicates achievement of 80 percent or greater for the course requirements.

**IP, In Progress**: Given to a student in a thesis course who is passing but has not completed all required work. Student must re-enroll in thesis.

**W, Dropped/Withdrawn**: Given when a student has officially dropped or withdrawn from the University by the deadline in the official University calendar, regardless of student's standing in class.

**I, Incomplete**: Given to a student who is passing but has not completed a term paper, examination, or other required work. Students electing to complete unfinished work in the course must sign an incomplete contract along with the instructor specifying assignments to be completed and the due date. Failure to comply with the stipulations of the contract will result in the "I" being converted to an "F" through an administrative action of the University Registrar. For the student, the grade of "I" may be removed under certain conditions:

- If the student elects to complete the course, he/she may, within the time specified by the instructor, but not exceeding twelve months from the date the "I" was recorded, complete the work in the course and request that the instructor submit a change of grade form to the University Registrar. Extensions of time in cases of merit may be granted, if approved.
- If the student elects not to complete the course within the time specified in the contract, the "I" will be converted to a grade of "F" through an administrative action of the University Registrar.
- A student may not register for a course for which he/she has a current grade of "I". If the student decides to register for the same course, the "I" will be converted to a grade of "F" through an administrative action of the University Registrar.

**Change of Grade**: After being reported to the Office of the University Registrar, grades other than "I" may not be changed unless a computation error has been made by the instructor.

**Grade Points**: A student's grade average on university work is expressed in grade points. Each semester hour of "A" counts four points, "B" three points, "C" two points, "D" one point, and "F" zero points. Thus a "B" average, which is the minimum overall average for any master's degree, is expressed as a 3.0 grade point average.

**Academic Responsibilities**

Students are expected to familiarize themselves thoroughly with the regulations of the University, to accept responsibilities for course requirements for their degrees, and to make inquiries in case of doubt. It shall not be the University's responsibility should complications arise because of failure to follow regulations and requirements. Regulations will not be waived nor exceptions to requirements made on a plea of ignorance. Students, therefore, should become familiar with all of the information related to their program of study contained in the online university catalog.

Personal Announcements sent to students through TAMIU E-mail is the official means of communicating course and university business with students and faculty – not the U.S. Mail and not other e-mail addresses. Students and faculty must check their TAMIU e-mail accounts regularly, if not daily. Not having seen an important TAMIU e-mail from a faculty member, chair, dean or other University administrator is not accepted as an excuse for failure to take an important action. Students, faculty, and staff are encouraged to sign-up for Dusty Alert (see www.tamiu.edu).
Dusty Alert is an instant cell phone text-messaging system allowing the university to immediately notify you if there is an on-campus emergency, something of immediate danger to you, or a campus closing.

Students who change their home address while attending Texas A&M International University are expected to notify the Office of the University Registrar immediately. Changes in local address must also be made with the Office of the University Registrar. Address updates may be made via UCONNECT.

Except when pertaining to conduct, each student is under the jurisdiction of their assigned college and must comply with the requirement of their degree. Students should work directly with the person in their major department who is assigned the responsibility of supervising their programs concerning course requirements and options, deficiencies, degree plans, and special regulations. Requests to waive regulations and/or requirements should be directed in writing to the appropriate Chair and, in some cases, to the Dean of the College.

**Registration**

**Degree Plan:** The student should select his or her major field of study as early as possible. The planning of a course of study should be exercised in consultation with a faculty advisor. Students will be required to present updated degree audits during faculty advisement. A degree plan may be superseded by a new one according to the provision explained under Graduation Under a Particular Catalog in this section.

**Schedule:** The student’s class schedule should be worked out in conference with a faculty advisor. Students are urged to confer with their advisors well in advance of registration in order to avoid difficulties in scheduling.

**Early Registration:** A period of early registration is scheduled each semester for upcoming terms. During that time a currently enrolled student is responsible for making an appointment with the assigned academic or faculty advisor to discuss the degree plan, determining the courses to be taken during the next semester, and completing the registration process. A student is not officially enrolled until all fees have been paid. Additional information can be found here.

**Registration for a Course:** The only way to become a member of a class is to officially register for it or by adding a course after registration is completed. In any case, the instructor receives the students’ names on the official class rosters distributed by the Office of the University Registrar and immediately on their online rosters. Schedule changes can be made in accordance with the deadlines of each session as indicated in the academic calendar.

**Waitlist Policy:** A student may request to be waitlisted for a closed course. If space becomes available, students will be notified via email and will be given a certain deadline to take action and register for the desired course. It is the student’s responsibility to check his/her status in the course. Requesting to be waitlisted makes the student liable for all tuition and fees due if a space becomes available. A drop must be processed by the student if the class is no longer desired. Please note: a student may not be waitlisted for one section of a course and registered in another section of the same course.

**Auditing a Course:** Any person may audit a course except for individual instruction courses. Auditors do not have the privilege of submitting papers, taking part in class discussions, or participating in laboratory or field work. Auditors pay tuition and fees according to the published semester credit hour fee schedule. Deadline to request instructor permission to audit a course is the Census Date of the semester.

**Registration Policies**

**Definitions - Dropping and Withdrawal**

A student is considered to be “dropping” a course or courses if the student remains enrolled in a minimum of one (1) credit hour at the end of the course change process. A student is considered withdrawn from the University if no semester credit hours remain at the completion of the course change process.

**Dropping a Course**

A course may be dropped by completing a drop form with the Office of the University Registrar in person, by email, or by fax. Courses cannot be dropped by phone.

All course drops must be completed by the deadline stated in the University academic calendar published online.

If a student chooses not to attend a class or classes, the student is responsible for officially dropping or withdrawing through the Office of the University Registrar. Students who decide not to attend and do not officially notify the Office of the University Registrar may be responsible for tuition, fees, and any other circumstances resulting from failure to officially drop or withdraw. Students must not assume that they will "automatically" be dropped from their classes if they do not attend or do not pay.

Although the student may not have paid for classes personally, payment may have been posted to the students’ account through some type of financial assistance. It is important that the student officially notify the Office of the University Registrar of his or her intention not to attend. Refer to the Refund of Fees (p. 20) section for refund schedules.

**Withdrawal from the University**

Students wishing to completely withdraw from the University must initiate the withdrawal process in the Office of the University Registrar (ZSC 121). Refer to the Refund of Fees (p. 11) section of the catalog for refund schedules.

**Financial Aid Impact of Dropping or Withdrawal**

Students who have received a federal student loan through Texas A&M International University and are dropping below six hours or withdrawing from the university must also receive approval from the Office of Financial Aid and attend loan exit counseling at the time of the drop or withdrawal. Failure to do so will cause the student to have a hold placed on the release of their student records and may impact the awarding of future loans.

**Attendance Policy**

**Absence from Class:** A vital part of every student’s education is regular attendance of class meetings. Every faculty member keeps a current attendance record of all students. Absences affect the quality of a student’s work, and frequent absences may result in a failing grade. Additional information is available in the current Student Handbook.
Continuation of Graduate Studies

Good Standing

Graduate students, including degree-seeking, certificate-seeking, and non-degree-seeking students, are considered in "good academic standing" if they maintain a minimum 3.0 cumulative grade point average (GPA) on a 4.0 scale on all graduate course work, have no more than one grade of "C", and do not have a grade of "D" or "F".

Minimum grade requirement. Only grades of A, B, S, and CR are acceptable for graduate credit. No more than one grade of "C" will be accepted as credit for any graduate program. IP is considered acceptable with respect to the minimum grade requirement. Grades of "D" or "F" or a second grade of "C" will lead to immediate suspension from a program. Students may repeat courses in which they earned a "C" or higher, in which case the last grade of record is the official grade, will be used in calculating the GPA, and will be used in determining whether or not a student is in "good standing." However, only one course in which the student earned a "C" may be repeated.

Other scholastic requirements. Satisfactory academic performance may also include specific program requirements which can include and are not limited to, satisfactory research performance, a satisfactory GPA in the major, satisfactory performance in examinations, such as the comprehensive examination, satisfactory performance in the program capstone course, or other specific program requirements.

Scholastic Probation and Suspension

Placement on Scholastic Probation:

A graduate student will be placed on scholastic probation if, at the end of any semester or term, the student’s cumulative graduate grade point average falls below 3.0. Students may not appeal being placed on probation, but they may appeal a course grade through the grade appeal process.

Removal from Scholastic Probation:

A student must achieve a cumulative 3.0 GPA within the completion of the next long semester (Fall or Spring) to be removed from scholastic probation if scholastic probation was due to an unsatisfactory GPA. The courses included in the long semester must be within the degree plan the student is pursuing when placed on scholastic probation.

A student who is removed from scholastic probation is not eligible for placement on scholastic probation a second time.

Suspension because of Academic Performance: A student who has been on scholastic probation will be suspended from a program if the student's grade point average for any subsequent term or semester falls below 3.0, or the student does not achieve the required cumulative GPA within one long semester. Students may also be suspended from a program if they earn a second grade of "C" or a grade of "D" or "F". Students may not appeal being suspended from a program based on their grades, but they may appeal to individual grades that triggered the suspension.

Readmission after Suspension: A student who is suspended may not enroll in any graduate program for a minimum of 12 consecutive months. A student must reapply, meet current requirements for degree-seeking students, and be accepted by the University and the program to enroll for graduate studies following the period of suspension. The application may be submitted prior to the requested enrollment date.

A.R. Sanchez School of Business Ph.D. Program

Doctoral students in the A. R. Sanchez, Jr. School of Business who receive a grade of "C" in any of the Ph.D. classes must seek immediate guidance from the director of the program.

Doctoral students in the A. R. Sanchez, Jr. School of Business who earn a second grade of "C", a "D", or an "F" will be dismissed from the program.

Expulsion Because of Academic Misconduct: The default sanction imposed by the provost for a graduate student found responsible for violation of the TAMIU Honor Code is expulsion from the university. On the recommendation of the Honor Council and with the approval of the university provost, this sanction may be reduced to suspension from the university for a set period of time if – in the opinion of the provost – the nature of the violations or the circumstances warrant a sanction less severe than expulsion. Students who are suspended rather than expelled may appeal for readmission and must meet all program admission requirements after meeting the terms established by the provost at the time of their suspension. Students who are expelled from the university cannot reenter any university degree program.

Students found guilty of violating the Honor Code may appeal the findings of the Honor Council that has triggered the expulsion or suspension. They may not appeal, however, an expulsion or suspension itself that is based on a violation of the Honor Code and on the recommendation of the provost.

General Requirements for Graduation

Application for Candidacy for Master’s or Ph.D. Degree: A student intending to have a degree conferred at Texas A&M International University must file an Application for Candidacy with the Office of the University Registrar and pay the graduation fee to the University Business Office by the Census Date of the semester in which the student wishes to graduate.

Character of Graduate Work: The principal aim of graduate study is to develop a student’s ability to engage in independent work. Consequently, the character of work expected of graduate students is significantly different from that of undergraduate students. To prepare students to engage in independent work faculty members act as facilitators who develop graduate students into active learners. Graduate students are expected to demonstrate an in-depth knowledge and comprehension of the subject matter in their respective disciplines. Graduate students are also expected to demonstrate how to apply, analyze, synthesize and evaluate their discipline specific body of knowledge through superior written and oral communication skills.

Correspondence Work: Credit earned by correspondence will not be accepted for graduate credit.

Degree Conferral and Eligibility for Participation in Graduation Ceremonies: It is the policy of Texas A&M International University that only students who have completed their degree requirements participate in graduation ceremonies. There are two graduation ceremonies each year. May graduates attend the May ceremony. Students who finish requirements in any of the summer terms receive their diploma in late August and
are invited to attend the following December ceremony along with the December graduates. No degree will be conferred except publicly and on Commencement Day of the spring and fall semesters.

Expired Coursework: Courses more than five (5) years old, or within the time specified for the particular program, counting from the catalog year in effect at initial registration, will be not recognized as graduate credit applicable toward a graduate degree. Students whose coursework has expired may repeat the expired course(s), request an appropriate substitute, or request a course extension. (Only courses that have received a grade of “B” or better will be considered for a course extension). Course extension requests must be in writing, and approved by the program faculty, Department Chair, College Dean, and Graduate School Dean. This policy also applies to coursework transferred from a different graduate program at this institution, or another institution.

Grades Required: A minimum grade point average of 3.0 (“B”) on a 4.0 point scale computed on all graduate work attempted must be maintained as well as in the major/concentration and in the minor. No more than one grade of “C” will be accepted as credit for any graduate program. Exception: No grade below 3.0 (“B”) will be accepted for the MA in Counseling Psychology.

Graduation in-Absentia: Students intending to graduate in-absentia should notify the Office of the University Registrar upon application for candidacy.

Graduation Under a Particular Catalog: A degree seeking student may receive his/her master’s degree upon satisfying the requirements of the catalog under which he/she first earned resident credit for graduate work, or upon satisfying the requirements of the catalog of any subsequent year in which he/she earned credit as a resident student in the University. All requirements for a master's degree must be completed within a period of five years or within the time specified for the particular program.

Hours Required: 30 to 60 semester credit hours of approved graduate courses depending on the degree. No more than six (6) hours of 4000-level coursework may be used to satisfy degree requirements.

Leave of Absence: Under unusual circumstances, a student may petition for a leave of absence. A petition for leave of absence is initiated by the student by submitting a Leave of Absence Request form. The Department/Advisory Committee Chair and College Dean must approve the petition and route it to the Graduate School. If the Graduate School Dean approves the petition, the registration requirement will be set aside during the period of leave. Leave will be granted only under conditions that require the suspension of all activities associated with pursuing the degree. For certain types of approved leave, such as medical, the time period for the completion of the degree will stop with the leave and begin when the student returns to the program. Other types of leave may not stop the time limit for the degree. A student should refer to the section on Time Limitation for master’s and doctoral programs. A leave of absence is granted for one year. In a case of extenuating circumstances, the leave of absence can be extended by the student's Department/Advisory Committee Chair and the Graduate School Dean. A student who returns to the University after an approved leave of absence will not be required to submit an application for readmission to the Graduate School. An international student should visit with an Office of International Engagement advisor to find out how a leave of absence may impact the student's stay in or re-entry into the U.S.

Non-credit Courses: Only grades of A, B, S, and CR are acceptable for graduate credit. No more than one grade of “C” will be accepted as credit for any graduate program. Grades of “D” or “F” and non-credit courses do not apply toward a graduate degree, but are used to figure grade point averages.

Time Limitation: No credit more than five (5) years old, counting from the catalog year in effect at registration, will be recognized as graduate credit applicable toward a master’s level graduate degree. Any approved transfer coursework must fall within the 5-year time limitation. In the A.R. Sanchez, Jr. School of Business no credit more than seven (7) years old, counting from the catalog year in effect at registration, will be recognized as graduate credit applicable toward a master’s or doctoral level degree. Any approved transfer coursework must fall within the 7-year time limitation.

Transfer of Graduate-Level Study: A maximum of twelve (12) semester hours with a minimum grade of 3.0 (“B”) on a 4.0 scale can be transferred into a master's program with the consent of the Program Director and Department Chair. Transferred courses must also comply with the expired coursework policy. In the A.R. Sanchez, Jr. School of Business, transfer credit applies solely to elective/concentration courses; required courses that are part of the business graduate curriculum must be completed in residence.

Written Comprehensive Examination: Non-Thesis degrees in the College of Arts and Sciences may require a comprehensive examination to complete the requirements of the degree. Students should check with their respective program coordinators for further information. This exam is taken in the last semester of coursework and is VALID FOR ONE YEAR. Exams will be given each long semester. A student who fails to pass one or more questions of the exam will be allowed one opportunity to repeat and pass the exam. All requirements for a master's degree, to include the comprehensive exam, must be completed within a period of five years. Non-Thesis degrees in the College of Education require a comprehensive examination to complete the requirements of the degree. The passing score will be VALID FOR ONE YEAR. Students majoring in Bilingual Education will be required to pass both a written and oral comprehensive exam in the major and minor fields of study to satisfy degree requirements. All other master's degrees in the College of Education will require an oral comprehensive examination that may or may not be based on a written comprehensive examination. Students majoring in Curriculum and Instruction and admitted Fall 2018 or after will be required to complete a culminating project.

Additional Master's Degree Policy: In the College of Arts and Sciences students shall not be permitted to apply the same course credit to more than one master's degree except in the Master of Public Administration program. Students pursuing the Master of Public Administration as an additional master’s degree may obtain the degree upon successful completion of the major curriculum and substituting hours attained in the first master’s program for nine hours of electives. In the A. R. Sanchez, Jr. School of Business, students shall not be permitted to apply the same course credit to more than one master’s degree. In the College of Education, students shall not be permitted to apply the same course credit to more than one master’s degree. In the Dr. F.M. Canscso School of Nursing, students shall not be permitted to apply the same course credit to more than one master’s degree.
credit to more than one master’s degree except in the Master of Science in Nursing-Family Nurse Practitioner program. Students pursuing the Master of Science in Nursing-Family Nurse Practitioner as an additional master’s degree may obtain the degree upon successful completion of the major curriculum and substituting hours attained in the Master of Science in Nursing – Nursing Administration for twelve hours of required coursework.

Pathways to the Doctorate Program
Pathways to the Doctorate is a program dedicated to increasing the number, quality, and diversity of master’s and doctoral graduates across all disciplines within the nine universities and the Health Science Center of Texas A&M University System. This allows the program to recruit top students from diverse geographic, socio-economic, racial, ethnic, and cultural environments to pursue careers in higher education and thus produce the next generation of faculty. Pathways to the Doctorate is one approach to Closing the Gaps in Texas.

Through a variety of activities such as seminars and workshops, inter-institutional exchange programs, a mentoring program, and an annual research symposium with System-wide participation, the Pathways Program:

• creates a pathway for talented students to pursue graduate education;
• fosters opportunities for faculty, graduate, and undergraduate students to collaborate and to pursue innovative research and enhance interpersonal communication skills;
• enlightens and encourages students and teachers (P-16) to see that science and technology are essential to lead a life of discovery and enjoyment;
• and helps meet faculty needs as post-secondary enrollment grows and current faculty retire.

Information can be found at http://ogs.tamu.edu/OGS/pathways. Contact the Dean of Graduate School if you are interested in the Pathways to the Doctorate Program.

Student Rights and Responsibilities
Upon acceptance, students automatically become members of the University community and, as such, assume full responsibility for proper conduct until their separation from the University. All University students should be familiar with the ordinary conventions of adult society governing their behavior.

In addition, all University students must be acquainted with and bound by the University rules and regulations covering the student code of conduct as stated in the Student Handbook which is available online at http://www.tamiu.edu/scce/ or at the Office of Student Conduct and Community Engagement in Student Center 226.

Texas A&M International University reserves the right, through due process, to place on probation, suspend, or expel any student for improper conduct.

Other Procedures and policies
Death of a Student
When the death of a currently enrolled student is reported, the Office of the University Registrar must be notified immediately. After confirming the death, the Office of the University Registrar takes the following steps:

1. Notifies the President, the Vice President of Student Success, the appropriate faculty and college dean.
2. Sets grades for all current courses to a non-punitive mark of "W" and updates directory data to block mailings to the deceased.
3. Notifies the Business Office of the effective date of the assignment of the mark.

Official Summons
Answering an Official Summons: Occasionally, it is essential that a student be summoned to one of the administrative or academic offices on the campus. A student who fails to answer an official summons promptly will be subject to suspension from all classes until the particular matter of business has been concluded and the student has been granted permission to return to classes.

Student Emergency Assistance
TAMIU makes every attempt to meet the needs of the University’s globally diverse students through various resources and programs designed to enhance the experience of all students. Through the TAMIU’s Office of Student Conduct and Community Engagement (SCCE), students can request assistance to learn about their rights and responsibilities, crisis intervention support, medical leave request, absence notification to faculty, and other special needs the student may encounter. Staff is dedicated to give students the highest quality customer service, and we’re happy to help you when you need it. Contact SCCE at 956.326.2265 or visit Student Center 226.

Hazing
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.

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 an 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 education 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 that constitutes hazing.

A. R. Sanchez, Jr., School of Business

Accreditation

The graduate programs in the A. R. Sanchez, Jr. School of Business are accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

Research Activities

In addition to its academic programs, the A. R. Sanchez, Jr. School of Business has several related entities designed to encourage research by both faculty and students. Among them are:

- The Institute for International Trade;
- The Texas Center for Border Economic and Enterprise Development;
- The Center for the Study of Western Hemispheric Trade - Laredo;
- and The International Trade Journal.

Graduate Admission Procedures

Applicants interested in a Master of Business Administration (MBA) or a Master of Science in Information Science (MS-IS) degree must submit the following documentation to Graduate School:

- Application
- Application Fee
- Official transcript(s) of all college/university-level studies
- Updated resume to include three references and their contact information
- GMAT or GRE scores required for applicants whose upper level grade point average (GPA) is below a 3.0. Test scores must be dated within five years of applicant's entry term. Applicants pursuing the MBA taught in Spanish and needing to submit standardized test scores may choose to take Prueba de Admisión a Estudio de Posgrado (PAEP) or the Exani III, which are administered at partner universities in Mexico. MBA and MSIS applicants who hold an advanced U.S. degree (masters, law, doctorate) or its equivalent from another country are not required to submit standardized test scores
- TOEF/ELTS/Peasron PTE Scores for applicants whose academic studies were completed from a country where English is not the native language. A minimum TOEFL score of 79 (ibt TOEFL), 550 (Paper-based), a 6.5 on the IELTS, or a 53 Pearson PTE Academic is required. These exam scores must be sent directly from the testing service and dated within two years of enrollment

Automatic Admission: Will be granted to applicants who hold a bachelor's degree (in any discipline) with a minimum 3.0 upper-level GPA or hold an advanced degree (masters, law, doctorate) from the U.S. or its equivalent from another country. Applicants who hold an non-business degree or business degree from an institution not accredited by the Association to Advance Collegiate Schools of Business International (AACSB) will be reviewed by the School of Business to determine proper sequence of required prep modules.

Applicants not meeting automatic admission criteria will be required to submit the following additional items:

- Personal statement (minimum 300 words) describing career and personal goals
- Two letters of recommendation (academic or professional)

Upon submission of additional referenced items above, applicant’s portfolio will undergo a holistic review in compliance with House Bill 1641 by the Masters Program Admission Committee. Students admitted with conditions must satisfactorily complete those conditions to remain in the MBA or MSIS program.

Applicants interested in a Master of Professional Accountancy (MPAcc) degree must submit the following documentation to Graduate School:

- Application
- Application Fee
- Official transcript(s) of all college/university-level studies
- Updated resume to include three references and their contact information
- Personal statement (minimum 300 words) describing career and personal goals
- Two letters of recommendation (academic or professional)
- GMAT or GRE scores required for applicants whose upper level grade point average (GPA) is below a 3.0. Test scores must be dated within five years of applicant's entry term. MPAcc applicants who hold an advanced U.S. degree (masters, law, doctorate) or its equivalent from another country are not required to submit standardized test scores
- TOEF/ELTS/Peasron PTE Scores for applicants whose academic studies were completed from a country where English is not the native language. A minimum TOEFL score of 79 (ibt TOEFL), 550 (Paper-based), a 6.5 on the IELTS, or a 53 Pearson PTE Academic is required. These exam scores must be sent directly from the testing service and dated within two years of enrollment

Upon submission of referenced items above, applicant’s portfolio will undergo a holistic review in compliance with House Bill 1641 by the Masters Program Admission Committee. Students admitted with conditions must satisfactorily complete those conditions to remain in the MPAcc program.

Applicants interested in a Ph.D. in International Business Administration (Ph.D.-IB) degree must submit the following documentation to Graduate School:

- Application
- Application Fee
- Official transcript(s) of all college/university-level studies
- Current resume
- Three letters of recommendation
- Statement of purpose to indicate area of study
- GMAT/GRE scores must be dated within five years of applicant’s entry term.
• TOEFL/ELTS scores for applicants whose academic studies were completed from a country where English is not the native language. A minimum TOEFL score of 100 (ibt TOEFL), 600 (Paper-based), a 7.0 on the IELTS, is required. These exam scores must be sent directly from the testing service and dated within two years of enrollment. Doctoral applicants who have received a graduate degree from an AACSB accredited U.S. institution within two years of the application date may be exempt from the TOEFL requirement. TOEFL scores of all applicants must be sent directly from Educational Testing Service (ETS) and dated within two years of applicant’s anticipated semester of enrollment.

Graduate Degree Requirements

See Academic Regulations for Graduate Degrees for specific TAMIU Regulations.

Workload Regulations: The maximum number of semester credit hours (SCH) that a graduate student can take is:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Semester (fall or spring)</td>
<td>12 SCH</td>
</tr>
<tr>
<td>Each summer session</td>
<td>6 SCH</td>
</tr>
</tbody>
</table>

Any SCH load in excess of the above must be approved by the Dean of the A. R. Sanchez, Jr. School of Business Administration.

Graduate-Level Courses: Courses numbered 5000-level or above.

Special Issues Courses: Special Issues courses taken under course number 5199-5399 have a varying degree of semester credit hours (SCH). These courses, although generally taught as three semester credit hours, can also be set up for one or two semester credit hours.

S/U (Satisfactory/Unsatisfactory): This grade can be given for only pre-designated courses and may be used to satisfy degree requirements (e.g., business internships). For graduate students, a grade of "S" indicates achievement of 80 percent or greater for the course requirements. This grading criteria applies only to courses in the A. R. Sanchez, Jr. School of Business.

Academic Probation: If at the end of any semester, a graduate student’s GPA for that semester is below 3.0, the student will be placed on academic probation.

Additional Master’s Degree Policy: Students shall not be permitted to apply the same course credit to more than one master’s degree.

International Students Language Requirement: International students who do not meet the language requirement for admission to the masters programs of the A. R. Sanchez, Jr. School of Business, may apply to the University’s International Language Institute (ILI). Upon certification of English proficiency by ILI or receiving a score of 6.5 on the International English Language Testing System (IELTS) or 79/80 (Internet-based), or 550 (paper based) in the Test of English as a Foreign Language (TOEFL), students will be permitted to pursue a master’s degree from the A. R. Sanchez, Jr. School of Business. Students pursuing a doctoral degree will need a minimum TOEFL score of 600 (paper-based) or 100 (internet-based). This score must be sent directly from the Educational Testing Service (ETS) and dated within two (2) years of enrollment.

Provisional status: Domestic applicants intending to pursue a degree, but not able to complete the application process in time for the intended registration term, may enroll under provisional status for no more than six hours. Completion of any number of credit hours taken under provisional status does not guarantee admission into a masters program.

Transfer of Credit: Students may request to transfer a maximum of two courses (6 SCH) of graduate coursework for which a grade of "B" or better was earned on each course at an accredited institution. Transfer credit may apply solely for elective/concentration courses; required courses that are part of the business graduate curriculum must be completed at TAMIU. Students must complete a Request for Transfer of Credit Form and submit required documentation to the Graduate Advisor for processing. Request must be approved by both the Division Chair and Dean of the A. R. Sanchez, Jr. School of Business. Coursework that is part of a previously earned degree is not acceptable for transfer credit.

Time Limitation: No credit more than seven (7) years old, counting from the catalog year in effect at registration, will be recognized as graduate credit applicable toward a masters level graduate degree unless validated by a qualifying examination conducted by the appropriate department. Any approved transfer coursework must fall within the 7 year time limitation.

Leave of Absence: Under unusual circumstances, a student may petition for a leave of absence. A petition for leave of absence is initiated by the student by submitting a Leave of Absence Request form. The Department/Advisory Committee Chair and College Dean must approve the petition and route it to the Graduate School. If the Graduate School Dean approves the petition, the registration requirement will be set aside during the period of leave. Leave will be granted only under conditions that require the suspension of all activities associated with pursuing the degree. For certain types of approved leave, such as medical, the time period for the completion of the degree will stop with the leave and begin when the student returns to the program. Other types of leave may not stop the time limit for the degree. A student should refer to the section on Time Limitation for master’s and doctoral programs. A leave of absence is granted for one year. In a case of extenuating circumstances, the leave of absence can be extended by the student’s Department/Advisory Committee Chair and the Graduate School Dean. A student who returns to the University after an approved leave of absence will not be required to submit an application for readmission to the Graduate School. An international student should visit with an Office of International Engagement advisor to find out how a leave of absence may impact the student’s stay in or re-entry into the U.S.

Master of Business Administration (MBA)

The following modules make up the MBA Business Foundation courses that must be taken for the MBA degree offered by the A. R. Sanchez, Jr. School of Business. The MBA Business Foundation courses DO NOT count toward the 30 hours needed to complete the MBA degree.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 5201</td>
<td>Concepts in Fin and Eco</td>
<td>2</td>
</tr>
</tbody>
</table>

Texas A&M International University 2021-2022 Catalog
Waiver Policy for Business Foundation Courses

Students may be waived from the Business Foundation courses by either:

1. Successfully graduating with a business bachelor's degree from a university in which the business program is accredited by the Association for the Advancement of Collegiate Schools of Business International (AACSB International), or
2. Providing evidence of equivalent course work at an accredited institution at either the undergraduate-level or graduate-level.

All course work used for waiver from a particular course must have been taken within the past seven (7) years or be validated by the division in which the course is normally offered. The student must have received a grade of "C" or better in each course within the module(s) for waiver approval consideration. Applications for course waivers must be completed during the first in-residence semester of work on the MBA program.

Students requesting a waiver must get approval from the Chair of the division for which the course is assigned. The Division Chair has the responsibility for ensuring that the student has the appropriate prior course work and knowledge as set forth in this policy before approving the waiver.

Master of Science

The following courses make up the MS Foundation courses. The MS Foundation courses do NOT count toward the 33 hours needed to complete the Master of Science degree.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 5204</td>
<td>Data Analytics for Management</td>
<td>2</td>
</tr>
<tr>
<td>MIS 5201</td>
<td>Information Systems &amp; Programm</td>
<td>2</td>
</tr>
</tbody>
</table>

Waiver Policy for Master of Science Foundation Courses

Students may be waived from the MS Foundation courses by either:

1. Successfully graduating with a bachelor's degree with Management Information Systems focus from a university in which the business program is accredited by the Association for the Advancement of Collegiate Schools of Business International (AACSB International), or
2. Providing evidence of equivalent course work at an accredited institution at either the undergraduate-level or graduate-level.

All course work used for waiver from a particular course must have been taken within the past seven (7) years. The student must have received a grade of "C" or better in each course applied towards a waiver. Applications for course waivers must be completed during the first in-residence semester of work on the MS program.

Students requesting a waiver must get approval from the Chair of the division for which the course is assigned. (Faculty advisors are not authorized to give waivers.) The Department Chair has the responsibility for ensuring that the student has the appropriate prior course work and knowledge as set forth in this policy before approving the waiver.

Doctor of Philosophy in International Business Administration

The following courses make up the Graduate Business Foundation courses that must be taken for the Doctoral degree offered by the A. R. Sanchez, Jr. School of Business.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 5310</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 5310</td>
<td>Business Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>BA 5390</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>ECO 5310</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 5310</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 5310</td>
<td>Seminar in Management Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MKT 5310</td>
<td>Seminar in Marketing Mgt</td>
<td>3</td>
</tr>
</tbody>
</table>

Waiver Policy for Graduate Business Foundation Courses

Students may be waived from the Graduate Business Foundation courses by either:

1. Successfully graduating with a master of business degree from a university in which the business program is accredited by the Association for the Advancement of Collegiate Schools of Business International (AACSB International), or
2. Providing evidence of successful completion of equivalent course work at an institution recognized or accredited by its country of origin.

Applications for course waivers must be completed prior to enrollment in the doctoral program.

Students requesting a waiver must get approval from the Director of the doctoral program. The Director of the program has the responsibility for ensuring that the student has the appropriate prior course work and knowledge as set forth in this policy before approving the waiver.

Degrees

Graduate Degrees

- Master of Business Administration (MBA) with a concentration in the following areas: (p. 245)
  - International Business (taught in English and Spanish)
  - International Banking and Finance
  - International Trade and Logistics
  - Management
- Master of Business Administration with a concentration in Criminal Justice (MBA) (p. 246)
• Master of Business Administration with a concentration in Healthcare Administration (MBA) (p. 246)
• Master of Professional Accountancy (MPAcc) (p. 246)
• Master of Science in Information Systems (MS-IS) (p. 247)
• Doctor of Philosophy in International Business Administration (Ph.D.-IB) (p. 247)

CERTIFICATE
• Data Analytics

Master of Business Administration (MBA)

MBA Business Core (p. 242)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 5310</td>
<td>Business Research Methods 1</td>
<td>3</td>
</tr>
<tr>
<td>BA 5390</td>
<td>Strategic Management 2</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four to five of the following courses must be taken based on the student's undergraduate major: 3 4

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 5310</td>
<td>Financial Statement Analysis</td>
<td></td>
</tr>
<tr>
<td>ECO 5310</td>
<td>Managerial Economics</td>
<td></td>
</tr>
<tr>
<td>FIN 5310</td>
<td>Financial Management</td>
<td></td>
</tr>
<tr>
<td>MGT 5310</td>
<td>Seminar in Management Concepts</td>
<td></td>
</tr>
<tr>
<td>MKT 5310</td>
<td>Seminar in Marketing Mgt</td>
<td></td>
</tr>
</tbody>
</table>

Concentration

Select three to four appropriate graduate level business courses based on concentration from the following areas: 5 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 5355</td>
<td>International Taxation</td>
</tr>
<tr>
<td>BA 5320</td>
<td>Global Environments of Bus</td>
</tr>
<tr>
<td>BA 5330</td>
<td>International Commercial Law</td>
</tr>
<tr>
<td>BA 5398</td>
<td>Business Internship</td>
</tr>
<tr>
<td>BA 5399</td>
<td>Special Issues in Business Adm</td>
</tr>
<tr>
<td>ECO 5320</td>
<td>Intl Trade Theories&amp;Policies</td>
</tr>
<tr>
<td>ECO 5350</td>
<td>Intl Economic Geography</td>
</tr>
<tr>
<td>FIN 5320</td>
<td>Intl Financial Markets&amp;Inst</td>
</tr>
<tr>
<td>FIN 5330</td>
<td>International Investments</td>
</tr>
<tr>
<td>FIN 5340</td>
<td>Intl Working Capital Mgt</td>
</tr>
<tr>
<td>FIN 5370</td>
<td>Global Bank Management</td>
</tr>
<tr>
<td>FIN 5380</td>
<td>International Finance</td>
</tr>
<tr>
<td>FIN 5390</td>
<td>Sem In International Banking</td>
</tr>
<tr>
<td>FIN 5399</td>
<td>Spe Iss in Intl Banking&amp;Fin</td>
</tr>
<tr>
<td>MGT 5312</td>
<td>International Management</td>
</tr>
<tr>
<td>MGT 5399</td>
<td>Special Issues in Management</td>
</tr>
<tr>
<td>MKT 5320</td>
<td>International Marketing</td>
</tr>
<tr>
<td>MKT 5399</td>
<td>Special Issues in Marketing</td>
</tr>
<tr>
<td>POM 5310</td>
<td>International Production Mgt</td>
</tr>
<tr>
<td>TIL 5310</td>
<td>Transportation&amp;Logistics Mgt</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 30

1 Must be taken during the first 12 hours of graduate course work in the MBA program.
2 Must be taken during the final nine (9) hours prior to graduation.
3 Students who have an undergraduate major in one of the functional areas (accounting, finance, economics, management and marketing) will not take the corresponding required MBA 5310 course. Business students who have an undergraduate degree in MIS/CIS and all non-business majors must take all five required courses listed below, but will take only three concentration courses.
4 To remain in good standing, students must have a minimum GPA of 3.00/4.00 (“B”) for the courses listed.
5 Courses selected to form a Concentration must be approved by the Graduate Advisor or the appropriate Division Chair.
6 Students may not apply more than two of the following as elective courses: ACC 5399, BA 5399, MIS 5399, FIN 5399, MGT 5399, MKT 5399.
Graduate Information

Master of Business Administration with a concentration in Criminal Justice (MBA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 5310</td>
<td>Business Research Methods ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 5310</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECO 5310</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 5310</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 5310</td>
<td>Seminar in Management Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MKT 5310</td>
<td>Seminar in Marketing Mgt</td>
<td>3</td>
</tr>
<tr>
<td>BA 5390</td>
<td>Strategic Management ²</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration in Criminal Justice

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 5300</td>
<td>Found in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5340</td>
<td>Special Topics in Crim Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5355</td>
<td>Cybercrime</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 30

¹ Must be taken during the first 12 hours of graduate coursework in the MBA program.
² Must be taken during the final nine (9) hours prior to graduation.

* To remain in good standing, students must have a minimum GPA of 3.00/4.00 (“B”) for the courses listed.

Master of Business Administration with a Concentration in Healthcare Administration (MBA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 5310</td>
<td>Business Research Methods ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 5310</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECO 5310</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 5310</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 5310</td>
<td>Seminar in Management Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MKT 5310</td>
<td>Seminar in Marketing Mgt</td>
<td>3</td>
</tr>
<tr>
<td>BA 5390</td>
<td>Strategic Management ²</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration in Healthcare Administration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 5322</td>
<td>Healthcare Informatics</td>
<td>3</td>
</tr>
<tr>
<td>NURS 5340</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>NURS 5341</td>
<td>Transformational Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 30

¹ Must be taken during the first 12 hours of graduate coursework in the MBA program.
² Must be taken during the final nine (9) hours prior to graduation.

Master of Professional Accountancy (MPAcc)

Section 12(e) of the Public Accountancy Act of 1991 requires that effective September 1, 1997, any applicant wanting to take the uniform CPA examination must have a minimum of 150 semester hours of coursework - with no fewer than 30 semester hours of accounting classes in addition to principles I & II - before filing an application. The accounting coursework must include at least 20 hours of accounting classes designed by board rule as core accounting classes.

Educational Objectives

1. Prepare the student for entry into the public accounting profession;
2. Meet the minimum education requirements for a student to be eligible to take the Certified Public Accountants examination;
3. Provide courses which presently licensed certified public accountants may use as continuing professional education.

MPAcc Accounting Foundation ¹

The student will be required to take up to and including ACC 3330 Intermediate Accounting III prior to taking any MPAcc required courses. The remainder of the MPAcc Foundation coursework will be taken by the student to meet course prerequisites of the Major Curriculum.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2301</td>
<td>Intro to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2302</td>
<td>Intro to Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3310</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3320</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3330</td>
<td>Intermediate Accounting III</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3340</td>
<td>Advanced Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3350</td>
<td>Federal Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3370</td>
<td>Introduction to Accounting Sys</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4370</td>
<td>Auditing and Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ The MPAcc Accounting Foundation courses do NOT count toward the thirty hours needed to complete the MPAcc degree.

Students graduating with a major in accountancy from a university in which the business program is accredited by the AACSB International automatically satisfy the foundation requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 5315</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 5325</td>
<td>Sem in Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 5330</td>
<td>Advanced Taxation</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ The MPAcc Accounting Foundation courses do NOT count toward the thirty hours needed to complete the MPAcc degree.
Graduate Information

ACC 5344  Sem in Ethics for Accountants  3
ACC 5370  Seminar in Auditing  3
ACC 5392  Advanced Accounting Research  3
Select two Masters level accounting courses  6
Select two Graduate level Business courses  6
Total Semester Credit Hours  30

1. To remain in good standing, students must maintain a minimum GPA of 3.00/4.00 ("B") for the courses listed.

2. Students who plan to take the CPA exam in the State of Texas need to take ACC 5344, and ACC 5392, Accounting Research. In addition, the student must take a business communication course such as BA 3301, Professional Written Communications, or an equivalent.

Master of Science in Information Systems (MS-IS)

See Master of Science in Information Systems Foundation (p. 247) in this section.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 5310</td>
<td>Seminar in Management Concepts</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Core 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 5330</td>
<td>Advanced Programming</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5340</td>
<td>Networks&amp;Distributed Systems</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5350</td>
<td>Information System Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5360</td>
<td>Management of Info Systems</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5365</td>
<td>Business Info Security</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5370</td>
<td>Database Management &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5375</td>
<td>Data Mining&amp;Bus Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5390</td>
<td>Project Design &amp; Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Core-MS-Information Science 1

Graduate Elective 2

Select 6 SCH Non-MIS business graduate electives which could include a 3 SCH internship  6

Total Semester Credit Hours  33

1. To remain in good standing, students must have a minimum average of 3.00/4.00 ("B") for the courses listed.

2. Review Electives for Business Graduate Degree Programs with your graduate advisor.

Master of Science in Information Systems Foundation

The following courses make up the MS Foundation courses. The MS Foundation courses do NOT count toward the thirty-three hours needed to complete the Master of Science degree.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS 2310</td>
<td>Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3310</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MIS 2350</td>
<td>Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>MIS 3310</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Waiver Policy for Master of Science Foundation Courses

Students may be waived from the MS Foundation courses by either:

1. Successfully graduating with a business bachelor's degree from a university in which the business program is accredited by the Association for the Advancement of Collegiate Schools of Business International (AACSB International), or
2. Providing evidence of equivalent course work at an accredited institution at either the undergraduate-level or graduate-level.

All course work used for waiver from a particular course must have been taken within the past seven (7) years. The student must have received a grade of "C" or better in each course applied towards a waiver. Applications for course waivers must be completed during the first in-residence semester of work on the MS program.

Students requesting a waiver must get approval from the Chair of the division for which the course is assigned. (Faculty advisors are not authorized to give waivers.) The Department Chair has the responsibility for ensuring that the student has the appropriate prior course work and knowledge as set forth in this policy before approving the waiver.

Doctor of Philosophy in International Business Administration (Ph.D. IB)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 5310</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 5310</td>
<td>Business Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>BA 5390</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>ECO 5310</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 5310</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 5310</td>
<td>Seminar in Management Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MKT 5310</td>
<td>Seminar in Marketing Mgt</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Graduate Business Foundation  21

Quantitative and Research Methods  15

Required Courses:

For students in Management, Management Information System and Data Analytics, and Marketing

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 6310</td>
<td>Advanced Business Resrch Meths</td>
<td>3</td>
</tr>
<tr>
<td>BA 6320</td>
<td>Research Iss in Intl Bus Adm</td>
<td>3</td>
</tr>
<tr>
<td>DS 6320</td>
<td>Multivariate Statistics</td>
<td>3</td>
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</table>
For students in Accounting and Finance

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 6320</td>
<td>Research Iss in Intl Bus Adm</td>
</tr>
<tr>
<td>DS 6320</td>
<td>Multivariate Statistics</td>
</tr>
<tr>
<td>FIN 6335</td>
<td>Intro to Fin Econometrics</td>
</tr>
</tbody>
</table>

Select two courses based on concentration from the following:

**Accounting**
- BA 6310  Advanced Business Rsrch Meths
- FIN 6340  Adv Financial Econometrics

**Finance**
- FIN 6340  Adv Financial Econometrics
- FIN 6350  Times Series Econometrics

**Management and Marketing**
- BA 6330  Advanced Regression Models
- BA 6340  Covariance Based Strc Eq Model

**Management Information Systems and Data Analytics**
- BA 6335  Advanced Qualitative Modeling
- BA 6345  Variance-Based Strc Eq Model

**International Business Administration**
- ACC 6310  Seminar in Intl Accounting
- ECO 6310  Seminar in Intl Economics
- FIN 6310  Seminar in Intl Finance
- MGT 6310  Seminar in International Mgt
- MIS 6310  Seminar in Global Systems Mgt
- MKT 6310  Seminar in International Mkt

**Functional Area Concentration**

Select five courses with the consent of the doctoral advisor and approval of the Ph.D. Program Director.

**Accounting**
- ACC 6320  Introduction to ACC Research
- ACC 6330  ACC Research Methods I
- ACC 6340  ACC Research Method II
- ACC 6350  Seminar in Auditing

Select one graduate level accounting course.¹

**Finance**
- FIN 6315  Seminar in Corporate Finance
- FIN 6320  Seminar Financial Mkts&Inst
- FIN 6330  Seminar in Investments

Select two of the following:
- FIN 5320  Intl Financial Markets&Inst
- FIN 5330  International Investments
- FIN 5340  Intl Working Capital Mgt
- FIN 5370  Global Bank Management
- FIN 5380  International Finance
- FIN 5390  Sem In International Banking

**Management**
- MGT 6312  Organizational Behavior
- MGT 6315  Organizational Theory & Change
- MGT 6325  Leadership & Cooperative Mgt
- MGT 6320  Human Resource Management
- MGT 6335  Seminar in Ind&Comp Analysis

**Management Information Systems and Data Analytics**
- MGT 6340  Seminar in Strategy Management

**Finance**
- MIS 6325  Social Business Analytics
- MIS 6335  Data Mining & Bus Intelligence
- MIS 6345  Business Data Visualization
- MIS 6350  Emerging Technologies

Select one of the following:
- MIS 5330  Advanced Programming
- MIS 5340  Networks&Distributed Systems
- MIS 5350  Information System Analysis
- MIS 5360  Management of Info Systems
- MIS 5370  Database Management & Design
- MIS 5390  Project Design & Management
- MIS 5399  Special Issues in Info Systems

**Management**
- MKT 6320  Marketing Strategy
- MKT 6330  Marketing Theory
- MKT 6340  Consumer Behavior
- MKT 6350  Research Methods in Marketing
- MKT 6360  Special Topics in Marketing

**Dissertation Research**²

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 6399</td>
<td>Dissertation Research</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 75

¹ Any graduate 5000 level course with the exception of ACC 5199, ACC 5299, ACC 5310, and ACC 5398.
² Students must remain enrolled by taking a minimum of 3 hours until dissertation is complete.

**Waiver Policy for Graduate Business Foundation Courses**

Students may be waived from the Graduate Business Foundation courses by either:

1. successfully graduating with a master of business degree from a university in which the business program is accredited by the Association for the Advancement of Collegiate Schools of Business International (AACSB International), or
2. providing evidence of successful completion of equivalent course work at an institution recognized or accredited by its country of origin.

Applications for course waivers must be completed prior to enrollment in the doctoral program.

Students requesting a waiver must get approval from the Director of the doctoral program. The Director of the program has the responsibility for ensuring that the student has the appropriate prior course work and knowledge as set forth in this policy before approving the waiver.
College of Arts & Sciences
Graduate Degrees Requirements

See Academic Regulations - Graduate Degrees (p. 235) for specific TAMIU regulations.

- **Major/Minor Requirements:** Twenty-four to thirty-three hours in a major subject and six to twelve hours in a minor. Minors not currently included as options for the degree will require department and dean approval.

- **Concentrations:** Eighteen hours in each of two areas of concentration, where applicable.

- **Admission:** No student seeking a graduate degree will be permitted to register for a graduate class until such time that he or she has been admitted to the University. Individuals wishing to take courses for personal growth, etc. may register for up to twelve hours as non-degree seeking. These courses may not be applicable to a degree program.

- **Applicants seeking admission to the Graduate School in the College of Arts and Sciences are encouraged to apply by November 1 for the Spring Semester and July 1 for the Fall Semester.**

- **Applicants seeking admission to the Master of Arts in Counseling Psychology, must complete additional admission requirements before April 30 for Fall Semester.**

- **Students wishing to change degrees must re-apply to the University and be accepted for admission by the new degree program.**

- **Prerequisites (Stemwork):** Twelve advanced semester hours in the major subject to six advanced semester hours in each minor. The department, however, retains the right to examine the applicant's prerequisites and to accept certain equivalent hours or to require additional work.
  - The maximum load for a graduate student for a long semester is nine (9) hours. The maximum load for summer school is six (6) hours per session. Any SCH load in excess of the maximum must be approved by the Dean of the College of Arts and Sciences.

- **Thesis:** This is defined as a professional paper in the major field. All required course work must be completed before thesis is started. Thesis must be successfully defended before the faculty advisory committee for completion of graduate degree program. Students in master’s degree programs in the COAS requiring a thesis who have completed all course work on their degree are required to register each subsequent fall and spring semester until the thesis receives final approval. Students who do not comply with this requirement will have their registration blocked.

- **Leave of Absence:** Under unusual circumstances, a student may petition for a leave of absence. A petition for leave of absence is initiated by the student by submitting a Leave of Absence Request form. The Department/Advisory Committee Chair and College Dean must approve the petition and route it to the Graduate School. If the Graduate School Dean approves the petition, the registration requirement will be set aside during the period of leave. Leave will be granted only under conditions that require the suspension of all activities associated with pursuing the degree. For certain types of approved leave, such as medical, the time period for the completion of the degree will stop with the leave and begin when the student returns to the program. Other types of leave may not stop the time limit for the degree. A student should refer to the sections on Time Limits for master's and doctoral programs. A leave of absence is granted for one year. In a case of extenuating circumstances, the leave of absence can be extended by the student’s Department/Advisory Committee Chair and the Graduate School Dean. A student who returns to the University after an approved leave of absence will not be required to submit an application for readmission to the Graduate School. An international student should visit with an Office of International Engagement advisor to find out how a leave of absence may impact the student’s stay in or re-entry into the U.S.

- **Written Comprehensive Examination:** Non-Thesis degrees in COAS may require a comprehensive examination to complete the requirements of the degree. Students should check with their respective program coordinators for further information. This exam is taken in the last semester of coursework and is VALID FOR ONE YEAR. Exams will be given each long semester. A student who fails to pass one or more questions of the exam will be allowed one opportunity to repeat and pass the exam. All requirements for a master's degree to include the comprehensive exam must be completed within a period of five years.

- **Oral Comprehensive Examination:** For degree programs requiring an oral comprehensive examination, oral exams must be completed by mid-November or mid-April.

- **Additional Master's Degree Policy:** Students shall not be permitted to apply the same course credit to more than one master’s degree except in the Master of Public Administration program. Students pursuing the Master of Public Administration as an additional master’s degree, may obtain the degree upon successful completion of the major curriculum and substituting hours attained in the first master’s program for nine hours of electives.

- **Minor in Information Systems.** This minor is available in COAS degree programs which include 9 SCH in a minor. Students pursuing the graduate minor in IS must satisfactorily complete MIS 3310 Management Information Systems. The minor will consist of three courses, completed with a grade of "B" or better, from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 5330</td>
<td>Advanced Programming</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5340</td>
<td>Networks&amp;Distributed Systems</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5350</td>
<td>Information System Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5360</td>
<td>Management of Info Systems</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5365</td>
<td>Business Info Security</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5370</td>
<td>Database Management &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5375</td>
<td>Data Mining&amp;Bus Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5380</td>
<td>Info Systems Design&amp;Implemen</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5390</td>
<td>Project Design &amp; Implement</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5399</td>
<td>Special Issues in Info Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Texas A&M International University 2021-2022 Catalog
Collaborative PH.D. in Hispanic Studies Offered by Texas A&M University-College Station

Texas A&M International University, through the Department of Humanities, cooperates with Texas A&M University in College Station in the delivery of their Ph.D. degree in Hispanic Studies.

Faculty in the Department of Humanities occasionally teach courses via TTVN for the program, and students in the program from the Laredo area are offered access to our university’s TTVN facilities to take courses delivered by faculty in College Station or at Texas A&M University at Kingsville, another university cooperating in the delivery of the program. Faculty from our college also serve, as needed, on dissertation committees.

Locally-based students in the program have also taught courses for the Department of Humanities in the past as graduate teaching assistants and currently as adjunct faculty.

Persons interested in admission into the program must apply directly to Texas A&M University in College Station at https://hisp.tamu.edu/graduate-program/.

Dr. Irma Cantú is the TAMU contact for the program and may be reached at icantu@tamiu.edu or call her at 956.326.2657.

Degrees

GRADUATE DEGREES

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- Master of Arts in Communication Non-Thesis (MA) (p. 259)
- Master of Arts in Counseling Psychology (MA) (p. 259)
- Master of Arts in English (MA) (p. 254)
- Master of Arts in History & Political Thought, History Concentration (MA) (p. 255)
- Master of Arts in History & Political Thought, History Concentration Non-Thesis (MA) (p. 255)
- Master of Arts in History & Political Thought, Political Science Concentration (MA) (p. 262)
- Master of Arts in History & Political Thought, Political Science Concentration Non-Thesis (MA) (p. 262)
- Master of Arts in History and Political Thought - Double Concentration Non-Thesis (MA) (p. 261)
- Master of Arts in Language, Literature and Translation (MA) (p. 256)
- Master of Arts in Sociology (MA) (p. 263)
- Master of Arts in Sociology Non-Thesis (MA) (p. 263)
- Master of Public Administration (MPA) (p. 263)
- Master of Science in Biology (MS) (p. 252)
- Master of Science in Biology Non-Thesis (MS) (p. 253)
- Master of Science in Criminal Justice (MS) (p. 264)
- Master of Science in Criminal Justice Non-Thesis (MS) (p. 265)
- Master of Science in Mathematics (MS) (p. 257)
- Master of Science in Mathematics Non-Thesis (MS) (p. 257)
- Master of Science in Mathematics, Applied Statistics Track Non-Thesis (MS) (p. 258)
- Master of Science in Mathematics, Mathematics Education Track Non-Thesis (MS) (p. 258)
- Master of Science in Psychology (MS) (p. 260)
- Master of Science in Psychology Non-Thesis (MS) (p. 261)

Doctor of Philosophy

- Doctor of Philosophy in Criminal Justice (Ph.D) (p. 265)

CERTIFICATE

- Certificate in Nonprofit Leadership and Management (p. 266)

Biology and Chemistry

Degrees

Master's Degrees

- Master of Science in Biology (MS) (p. 252)
- Master of Science in Biology Non-Thesis (MS) (p. 253)

Courses

BIOL 5197 Biology Research
Continuation of thesis or non-theses research by the students under the supervision of the student’s advisor. Can be repeated other semesters. Cannot be substituted for required or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis. Prerequisites: Graduate standing and permission of the instructor.

BIOL 5290 Graduate Seminar in Biology
A seminar on current topics in biology. Emphasis will be on recent research in a field of biology. May be repeated once when topic changes. Prerequisites: Graduate standing and permission of the instructor.

BIOL 5297 Biology Research
Continuation of thesis or non-thesis research by the students under the supervision of the student’s advisor. Can be repeated other semesters. Cannot be substituted for required or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis. Prerequisites: Graduate standing and permission of the instructor.

BIOL 5371 Special Topics in Biology
A seminar course on topics of interest in biology. Laboratory section at discretion of instructor. May be repeated when topic changes. Laboratory fee, if applicable. Prerequisites: Graduate standing and permission of the instructor.

BIOL 5397 Biology Research
Continuation of thesis or non-thesis research by the students under the supervision of the student’s advisor. Can be repeated other semesters. Cannot be substituted for required or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis. Prerequisites: Graduate standing and permission of the instructor.
BIOL 5398 Thesis I
This course is the first step in the Biology thesis and includes the thesis proposal and research. The course is to be scheduled by the student in consultation with student's major professor. Evaluation of this course is on CR/NC basis. The student will receive credit when the thesis proposal is approved by the student's thesis committee. If the proposal is not completed, then a grade of IP is received and the student must enroll again for credit. Laboratory fee applicable.
Prerequisites: Approval of the major professor and the Department Chair.

BIOL 5399 Thesis II
This course is the final step in the Biology thesis and includes research, the thesis and the thesis defense. The course is to be scheduled by the student in consultation with student's major professor. The student will receive credit when the thesis has been written and defended successfully. Evaluation of performance in this course is on CR/NC basis. If a grade of IP is received, the student must enroll again for credit. Laboratory fee applicable.
Prerequisites: Approval of the major professor and the Department Chair and credit in BIOL 5398.

BIOL 5401 Biometry
A course in experimental design and statistical analysis. The course will include techniques used in different fields of biological research and the application of these techniques for the student's own research.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5402 Advanced Mammalogy
A study of the anatomy, evolution, distribution, systematics, ecology, and physiology of mammals - with special emphasis on local representatives. Saturday field trips required. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of instructor.

BIOL 5404 Advanced Herpetology
A study of the anatomy, evolution, distribution, systematics, ecology, and physiology of amphibians and reptiles; primarily North American species with special emphasis on local representatives. Saturday field trips required. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of instructor.

BIOL 5407 Behavioral Ecology
A course in the function of behavior in the context of ecology and evolution. Topics will include foraging behavior, habitat selection, mating behavior, parental care, and social behavior.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5408 Advanced Entomology
An advanced study of insects (and arachnids). Topics will include anatomy and physiology, evolution, ecology, and behavior. Special emphasis will be placed on insect diversity and identification of local insects (and arachnids) to family and species. A collection of local representatives is required. Saturday field trips required. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5409 Molecular Sys Biol&Chem Gens
A course dedicated to the discussion of current approaches to study "Omics" or systems biology, and the impact of chemical genetics in understanding how to activate or inactivate gene products as a way to determine the cellular function of proteins. Molecular Systems Biology and Chemical Genetics covers topics at the molecular level, including research in the evolving areas of genomics, proteomics, metabolomics, bioinformatics, microbial systems, and the integration of cell signaling and regulatory networks. Laboratory fee applicable. (Cross-listed with BIOL 4409 and CHEM 4409)
Prerequisites: Graduate standing and permission of instructor.

BIOL 5410 Advanced Ecology-Pop&Com
An advanced study of biotic and abiotic ecosystem interactions emphasizing field measurements, statistical procedures, and computer simulations of the growth of populations. Topics will include social and species interactions within populations, analysis of population composition and change, the distribution of communities, and the functioning of ecosystems. Independent study of a selected ecological topic required. Laboratory fee applicable.

BIOL 5415 Population Genetics
A study of population genetics models, including genetic variation, selection, inbreeding, genetic drift, mutation, gene flow, linkage disequilibrium and recombination. Lecture/laboratory. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of instructor.

BIOL 5418 Advanced Community Ecology
A study of biotic and abiotic interactions determining community structure emphasizing models, observations and field experiments on communities. Topics will include diversity, food webs, succession, the factors determining the composition of communities, and the functioning of ecosystems. Independent study of a selected community ecology topic required.

BIOL 5420 Adv Environmental Microbiology
An overview of the relationship between microbial metabolism, physiology, and the environment with a discussion of the primary literature. The application of modern microbiological concepts to address and solve current environmental problems is emphasized. Topics include air, water and soil microbiology, geochemical activities of microbes, biotransformations, pollution, and pollution abatement using microbes. Laboratory fee applicable. (Cross-listed with ENSC 4420/BIOL 4420)
Prerequisites: Graduate standing and permission of instructor.

BIOL 5425 Advanced Immunology
A detailed study of the immune response and related events, with a discussion of primary literature. Emphasis is placed on cellular and humoral branches of immunity, including the study of blood (serology) as a diagnostic tool. Laboratory fee applicable. (Cross-listed with BIOL 4425)
Prerequisites: Graduate standing and permission of instructor.

BIOL 5440 Adv Plant Systematics
An introduction to plant systematics with an emphasis on flowering plants. Topics will include principles of classification, rules of nomenclature, plant identification and the use of keys, the evolutionary relationships among plant groups, species concepts, and experimental approaches to systematics. Laboratory fee applicable. (Cross-listed with BIOL 4440)
Prerequisites: Graduate standing and permission of the instructor.
BIOL 5441 Adv Plant Physiological Ecolo
This course will examine plant physiological mechanisms that explain ecological patterns. Topics will include the physiological characteristics of plants (photosynthesis, energy balance, water relations, mineral nutrition, growth, and development) and how those characteristics are adaptive to various environments.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5450 Molecular Gen&Reg Gen Exp
An advanced course on the molecular mechanisms by which genes are controlled and regulated. Topics include induction, activation, repression and RNA interference of gene function.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5452 Advanced Biochemistry
A detailed study, using primary literature sources, of carbohydrate, amino acids, nucleic acids, and lipid metabolic pathways. Special attention is given to human metabolism in health and disease.
Prerequisites: one semester (3 SCH or more) of biochemistry for majors or permission of instructor.

BIOL 5455 Advanced Bioinformatics
Advanced bioinformatics introduces general bioinformatics concepts and their practice. Students will be introduced to current techniques in generation and storage of biological information, biological databases, sequence alignments, molecular phylogeny. They will also learn modern Genomic/proteomic concepts, and the use of publicly available software in biological data analysis. Students will gain practical experience with bioinformatics tools and develop basic skills in the collection and presentation of bioinformatics data. Lab fee: $30.00.
Prerequisites: Graduate standing and permission of instructor.
Corequisites: BIOL 5055.

BIOL 5460 Adv Geographic Info Systems
This course will explore fundamental concepts of geographic information technologies with a focus on applications within the geosciences and natural sciences in general. Students will be exposed to the power of geographic information systems to elucidate complex problems. (Cross-listed with GEOL 4460 and BIOL 4460)
Prerequisites: Graduate standing.

BIOL 5470 Adv Developmental Biology
A study of the molecular and cellular events that lead to the generation of a multicellular organism from a fertilized egg. Emphasis on cell differentiation, development of an entire organism from a single cell involving several stages of differentiation and cell interaction. The course will investigate the cellular and molecular processes involved in generating an embryo, in creating various tissues and organs. Laboratory fee applicable.
Prerequisites: BIOL 3413.

BIOL 5471 Special Topics in Biology
A seminar course on topics of current biological interest. May be repeated when topic changes. Laboratory section included and fee applicable.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5472 Special Topics in Biology
A seminar course on topics of current biological interest. May be repeated when topic changes. No laboratory section included.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5475 Adv Evolutionary Dev Biology
The objective of this course is to integrate two disciplines, evolutionary biology and developmental biology into a common framework of genetics. The focus will be on evolution of developmental genetic pathways in order to explain the evolution of animal development. This course will explore how our growing knowledge of developmental circuits, and their variation, affects our understanding of how organisms evolve.
Prerequisites: BIOL 3413

BIOL 5480 Field Biology
A field course on the diversity and ecology of populations and communities along the Rio Grande. A field trip of two to three weeks will be required. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5497 Biology Research
Continuation of thesis or non-thesis research by the students under the supervision of the student’s advisor. Can be repeated other semesters. Cannot be substituted for required or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5597 Biology Research
Continuation of thesis or non-thesis research by the students under supervision of the student’s advisor. Can be repeated other semesters. Cannot be substituted for required or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Graduate standing and permission of the instructor.

CHEM 5451 Adv Surv of Chem&Bio Proc
This course focuses on new trends in the elimination of pollutants involving recently developed methodologies. The course requires extensive knowledge on general and organic chemistry as well as biochemistry.
Prerequisites: Graduate standing and permission of instructor.

Master of Science in Biology (MS)
To be admitted to MS in Biology:
1. A candidate must have a bachelor’s degree in biology or related field (related fields such as Botany, Environmental Sciences (with a biology emphasis), Marine Science (with biology emphasis), Marine Biology, Microbiology, Neurobiology and Zoology).
2. An overall GPA of 2.5 or higher (on a 4 point scale) and a 3.0 GPA in biology (or related field). If the GPA in biology is between 2.75 and 3.0, the student may be admitted on probation and must earn a B or higher in the first 9 hours of graduate courses in the program. If the overall GPA is below 2.5 or in biology below 2.75 the student will not be admitted.
3. No GRE will be required for admission to the Master of Science in Biology.
4. Approval of the graduate committee of the Department of Biology and Chemistry. The decision by the committee will be based on
the interests the candidate has in biology and if a graduate faculty member can and will work with the candidate. The candidate’s interest will be determined by the personal statement the candidate writes for admission. The statement should describe what research the student is interested in doing in the program and how working with a faculty member(s) in the Department can achieve this. Students are strongly encouraged to contact potential mentors prior to applying.

5. Admission to the thesis program will be determined by the acceptance of the student by an advisor. A student’s admission for a thesis can be denied because the student’s interest does not match any research program available. A student can be admitted to the non-thesis but the student will be required to take comprehensive exam to complete the degree.

A candidate applying for the MS in Biology without a degree in biology or related field can be admitted if the candidate takes the required stemwork. The following are normally the minimum requirements as preparation for graduate coursework:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1311</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 1111</td>
<td>and General Chemistry I-Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1306</td>
<td>Principles of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 1106</td>
<td>and Principles of Biology I-Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 1311</td>
<td>Principles of Biology II</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 1111</td>
<td>and Principles of Biology II-Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 1413</td>
<td>Principles of Biology III</td>
<td>4</td>
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<tr>
<td>BIOL 3406</td>
<td>Evolution</td>
<td>4</td>
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<tr>
<td>BIOL 3410</td>
<td>Ecology</td>
<td>4</td>
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<tr>
<td>BIOL 3412</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3413</td>
<td>Intro to Genetics</td>
<td>4</td>
</tr>
</tbody>
</table>

A candidate without a degree in biology must have an overall GPA of 2.5 in their bachelor’s program and a GPA of 3.0 in stemwork for the Master in Biology, including chemistry, to be admitted to the program. In addition, the student should give a justification that is accepted by the graduate committee of the Department of Biology and Chemistry why they are seeking a degree in biology. The GPA includes stem work taken before the application and all stem work required by the graduate committee of the Department of Biology and Chemistry to fulfill the requirement.

**Degree Plan**

**Major Curriculum - Biology**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 5290</td>
<td>Graduate Seminar in Biology</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 5290</td>
<td>Graduate Seminar in Biology</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 5401</td>
<td>Biometry</td>
<td>4</td>
</tr>
</tbody>
</table>

To be admitted to MS in Biology:

1. A candidate must have a bachelor’s degree in biology or related field (related fields such as Botany, Environmental Sciences (with a biology emphasis), Marine Science (with biology emphasis), Marine Biology, Microbiology, Neurobiology and Zoology).

2. An overall GPA of 2.5 or higher (on a 4 point scale) and a 3.0 GPA in biology (or related field). If the GPA in biology is between 2.75 and 3.0, the student may be admitted on probation and must earn a B or higher in the first 9 hours of graduate courses in the program. If the overall GPA is below 2.5 or in biology below 2.75 the student will not be admitted.

3. No GRE will be required for admission to the Master of Science in Biology.

4. Approval of the graduate committee of the Department of Biology and Chemistry. The decision by the committee will be based on the interests the candidate has in biology and if a graduate faculty member can and will work with the candidate. The candidate’s interest will be determined by the personal statement the candidate writes for admission. The statement should describe what research the student is interested in doing in the program and how working with a faculty member(s) in the Department can achieve this. Students are strongly encouraged to contact potential mentors prior to applying.

5. Admission to the thesis program will be determined by the acceptance of the student by an advisor. A student’s admission for a thesis can be denied because the student’s interest does not match any research program available. A student can be admitted to the non-thesis but the student will be required to take comprehensive exam to complete the degree.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1311</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 1111</td>
<td>and General Chemistry I-Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1306</td>
<td>Principles of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 1106</td>
<td>and Principles of Biology I-Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 1311</td>
<td>Principles of Biology II</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 1111</td>
<td>and Principles of Biology II-Lab</td>
<td></td>
</tr>
</tbody>
</table>
A candidate without a degree in biology must have an overall GPA of 2.5 in their bachelor’s program and a GPA of 3.0 in stemwork for the Master in Biology, including chemistry, to be admitted to the program. In addition, the student should give a justification that is accepted by the graduate committee of the Department of Biology and Chemistry why they are seeking a degree in biology. The GPA includes stem work taken before the application and all stem work required by the graduate committee of the Department of Biology and Chemistry to fulfill the requirement.

### Degree Plan

**Major Curriculum - Biology**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 5290</td>
<td>Graduate Seminar in Biology 1</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 5290</td>
<td>Graduate Seminar in Biology 1</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 5401</td>
<td>Biometry</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 28 semester credit hours from any 5000-level Biology courses except BIOL 5398, BIOL 5399, and BIOL 5197-BIOL 5697

Total Semester Credit Hours: 36

1. To be repeated once when the topic changes to fulfill the requirement of four SCH.
2. To be taken in the first three semesters of student’s graduate work.

### Humanities

#### Degrees

**Master's Degrees**

- Master of Arts in English (MA) (p. 254)
- Master of Arts in History & Political Thought, Double Concentration Non-Thesis (MA) (p. 254)
- Master of Arts in History & Political Thought, History Concentration Thesis (MA) (p. 255)
- Master of Arts in History & Political Thought, History Concentration Non-Thesis (MA) (p. 255)
- Master of Arts in Language, Literature and Translation (MA (p. 256))

### Master of Arts in English (MA)

#### Theory and Criticism Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 5381</td>
<td>Survey Literary Theory &amp; Crit</td>
<td>3</td>
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</table>

### Master of Arts in History and Political Thought - Double Concentration Non-Thesis (MA)

#### History and Political Thought Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5380</td>
<td>Historiography</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 5370</td>
<td>Political &amp; Historical Thought</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Concentration - History

Select five courses from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5170-5670</td>
<td>Directed Research in History</td>
<td>15</td>
</tr>
</tbody>
</table>

HIST 5301 | Seminar in US History

Students must have completed 18 hours of coursework to register for ENGL 5398 while co-registering for final 3 of 6 hours of coursework, or have consent of thesis director.

Students must have completed ENGL 5398 and register for final 3 hours of coursework (if needed) to register for Thesis II, or have consent of thesis director.

Note: See College of Arts and Sciences - Undergraduate Degrees (p. 64) for information on the combined BA/MA degree in English.
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5302</td>
<td>The West In American History</td>
<td></td>
</tr>
<tr>
<td>HIST 5305</td>
<td>Civil War &amp; Reconstruction</td>
<td></td>
</tr>
<tr>
<td>HIST 5310</td>
<td>Seminar in World History</td>
<td></td>
</tr>
<tr>
<td>HIST 5313</td>
<td>Sem in 18th Century US History</td>
<td></td>
</tr>
<tr>
<td>HIST 5314</td>
<td>Sem in 19th Century US History</td>
<td></td>
</tr>
<tr>
<td>HIST 5315</td>
<td>Sem in 20th Century US Hist</td>
<td></td>
</tr>
<tr>
<td>HIST 5320</td>
<td>Seminar in Latin American Hist</td>
<td></td>
</tr>
<tr>
<td>HIST 5324</td>
<td>Seminar in US Women's Hist</td>
<td></td>
</tr>
<tr>
<td>HIST 5325</td>
<td>Seminar in Mexico History</td>
<td></td>
</tr>
<tr>
<td>HIST 5330</td>
<td>Seminar in European History</td>
<td></td>
</tr>
<tr>
<td>HIST 5340</td>
<td>Sem Women in the Develop World</td>
<td></td>
</tr>
<tr>
<td>HIST 5355</td>
<td>Sem in the History of Religion</td>
<td></td>
</tr>
<tr>
<td>HIST 5360</td>
<td>Seminar in Border History</td>
<td></td>
</tr>
</tbody>
</table>

**Concentration - Political Science**

Select five courses from the following: 15

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 5110-5610</td>
<td>Directed Research in Political Science</td>
<td></td>
</tr>
<tr>
<td>PSCI 5301</td>
<td>Adv Methods of Social Research</td>
<td></td>
</tr>
<tr>
<td>PSCI 5303</td>
<td>American Political Institution</td>
<td></td>
</tr>
<tr>
<td>PSCI 5308</td>
<td>American Political Behavior</td>
<td></td>
</tr>
<tr>
<td>PSCI 5309</td>
<td>Mexican Politics &amp; Government</td>
<td></td>
</tr>
<tr>
<td>PSCI 5311</td>
<td>Constitutional Law</td>
<td></td>
</tr>
<tr>
<td>PSCI 5326</td>
<td>The Judicial Process</td>
<td></td>
</tr>
<tr>
<td>PSCI 5330</td>
<td>Sem in Political Philosophy</td>
<td></td>
</tr>
<tr>
<td>PSCI 5340</td>
<td>Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 5345</td>
<td>Topics in Area Studies</td>
<td></td>
</tr>
<tr>
<td>PSCI 5350</td>
<td>Ethnic Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 5360</td>
<td>American Foreign Policy</td>
<td></td>
</tr>
<tr>
<td>PSCI 5368</td>
<td>Sem in International Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 5372</td>
<td>Topics in Int. Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 5373</td>
<td>Adv Sem in Latin-Amer Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 5385</td>
<td>Political Science Internship</td>
<td></td>
</tr>
<tr>
<td>PSCI 5390</td>
<td>Special Problems in PSCI</td>
<td></td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours** 36

Note: See College of Arts and Sciences - Undergraduate Degrees (p. 64) for information on the combined BA/MA degree in History.

---

**Master of Arts in History & Political Thought, History Concentration**

**Thesis (MA)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5380</td>
<td>Historiography</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 5370</td>
<td>Political &amp; Historical Thought</td>
<td>3</td>
</tr>
</tbody>
</table>

**History and Political Thought Core**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5380</td>
<td>Historiography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration - History**

Select five courses from the following: 15

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5170-5670</td>
<td>Directed Research in History</td>
<td></td>
</tr>
</tbody>
</table>

**Required Cognate Field**

Select one course from the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 5110-5610</td>
<td>Directed Research in Political Science</td>
<td></td>
</tr>
<tr>
<td>PSCI 5301</td>
<td>Adv Methods of Social Research</td>
<td></td>
</tr>
<tr>
<td>PSCI 5303</td>
<td>American Political Institution</td>
<td></td>
</tr>
<tr>
<td>PSCI 5308</td>
<td>American Political Behavior</td>
<td></td>
</tr>
<tr>
<td>PSCI 5309</td>
<td>Mexican Politics &amp; Government</td>
<td></td>
</tr>
<tr>
<td>PSCI 5311</td>
<td>Constitutional Law</td>
<td></td>
</tr>
<tr>
<td>PSCI 5326</td>
<td>The Judicial Process</td>
<td></td>
</tr>
<tr>
<td>PSCI 5330</td>
<td>Sem in Political Philosophy</td>
<td></td>
</tr>
<tr>
<td>PSCI 5340</td>
<td>Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 5345</td>
<td>Topics in Area Studies</td>
<td></td>
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<tr>
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<td>PSCI 5360</td>
<td>American Foreign Policy</td>
<td></td>
</tr>
<tr>
<td>PSCI 5368</td>
<td>Sem in International Politics</td>
<td></td>
</tr>
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<td>PSCI 5373</td>
<td>Adv Sem in Latin-Amer Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 5385</td>
<td>Political Science Internship</td>
<td></td>
</tr>
<tr>
<td>PSCI 5390</td>
<td>Special Problems in PSCI</td>
<td></td>
</tr>
</tbody>
</table>

**Thesis**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5398</td>
<td>Thesis I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5399</td>
<td>Thesis II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours** 30

Note: See College of Arts and Sciences - Undergraduate Degrees (p. 64) for information on the combined BA/MA degree in History.

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**Master of Arts in History & Political Thought, History Concentration Non-Thesis (MA)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5380</td>
<td>Historiography</td>
<td>3</td>
</tr>
</tbody>
</table>

**History and Political Thought Core**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5380</td>
<td>Historiography</td>
<td>3</td>
</tr>
</tbody>
</table>
Graduate Information

PSCI 5370 Political & Historical Thought 3

Concentration - History
Select six courses from the following: 18

- HIST 5170-5670 Directed Research in History
- HIST 5301 Seminar in US History
- HIST 5302 The West in American History
- HIST 5305 Civil War & Reconstruction
- HIST 5310 Seminar in World History
- HIST 5313 Seminar in 18th Century US History
- HIST 5314 Seminar in 19th Century US History
- HIST 5315 Seminar in 20th Century US History
- HIST 5320 Seminar in Latin American History
- HIST 5324 Seminar in US Women's History
- HIST 5325 Seminar in Mexican History
- HIST 5330 Seminar in European History
- HIST 5340 Seminar in Women in the Development World
- HIST 5355 Seminar in the History of Religion
- HIST 5360 Seminar in Border History

Cognate Field - Political Science
Select three courses from the following: 9

- PSCI 5110-5610
- PSCI 5301 Adv Methods of Social Research
- PSCI 5303 American Political Institution
- PSCI 5308 American Political Behavior
- PSCI 5309 Mexican Politics & Government
- PSCI 5311 Constitutional Law
- PSCI 5326 The Judicial Process
- PSCI 5330 Seminar in Political Philosophy
- PSCI 5340 Comparative Politics
- PSCI 5345 Topics in Area Studies
- PSCI 5350 Ethnic Politics
- PSCI 5360 American Foreign Policy
- PSCI 5368 Seminar in International Politics
- PSCI 5372 Topics in International Politics
- PSCI 5373 Adv Seminar in Latin-American Politics
- PSCI 5385 Political Science Internship
- PSCI 5390 Special Problems in PSCI

Total Semester Credit Hours 33

Degree Plan

Major Curriculum - Language, Literature and Translation

Required Courses 6

- COMP 5301 Theory & Meth of Comp Lit Stud
- TRAN 5321 Theory & Hist. of Translation

Select six courses from the following: 18

- COMP 5311 Contrastive Ling: Engl-Span
- COMP 5312 Comp Hist Span & Engl Language
- COMP 5318 Postcolonial Studies
- COMP 5321 Gender Studies
- COMP 5322 Seminar in Colonial Amer. Lit.
- COMP 5340 Comp. Lit. English-Spanish
- ENGL 5301 Teaching in Rhetoric & Comp
- ENGL 5304 Studies in Literacy
- ENGL 5324 Mjr Thms Brit Lit 18th Ctry-Pr
- ENGL 5332 Studies in 19th Century Am Lit
- ENGL 5333 Studies in 20th Century Am Lit
- ENGL 5345 Issues in Comparative Lit
- SPAN 5302 Problems in Teaching Spanish
- SPAN 5304 Studies in Spanish Language
- SPAN 5308 Seminar in Hispanic Amer. Lit
- SPAN 5311 Seminar in Spanish Literature
- SPAN 5348 Seminar in Span Lit and Lang
- SPAN 5349 Maj Writ in Span&Their Milieu
- TRAN 5322 Adv. Trans. Spanish-English
- TRAN 5323 Adv. Trans. English-Spanish
- TRAN 5326 Literary Translation
- TRAN 5330 Special Topics Trans Studies

Thesis

- LLTH 5398 Thesis I: Proposal & Research 3
- LLTH 5399 Thesis II: Comp & Defense 3

Total Semester Credit Hours 30

Mathematics and Physics

Admission to the MS degree program requires a bachelor's degree from an accredited institution with a major in mathematics, mathematics with secondary certification, or related field in science. The student's entire record will be considered including the completed application for admission, overall undergraduate GPA, upper level GPA, GPA in the discipline, a Statement of Purpose, and two sealed letters of reference attesting to qualifications of applicant.

Master of Arts in Language, Literature and Translation (MA)

Admissions Requirements
For admission to the Master of Arts Language, Literature, and Translation, applicants must:

- Have an undergraduate GPA of 3.20 or higher. Exceptions will be considered upon request.

Click to view the Table of Contents
• Satisfaction of all other requirements of Texas A&M International University for graduate admission

• Students must submit transcripts from all institutions attended and two sealed letters of reference (at least one of which from faculty outside the departmental graduate admission committee) to the Graduate School (OGSR) for acceptance into the MS degree program.

• Students will not be fully admitted to the graduate program of the University until all of the above entrance requirements are met. If an applicant does not meet these minimum requirements, OGSR may approve admission of the applicant on a conditional basis using the graduate admission formula.

Stemwork
It is strongly recommended that a student seeking a MS degree in Mathematics should have a bachelor's degree with a major in Mathematics or related field. However, if a student is seeking a MS degree in Mathematics without a Bachelors in Mathematics, then the following are the minimum requirements as preparation for the graduate coursework:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1316</td>
<td>Plane Trigonometry</td>
<td>3</td>
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<tr>
<td>or MATH 2412</td>
<td>Pre-Calculus</td>
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</tr>
<tr>
<td>MATH 2413</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2414</td>
<td>Calculus II</td>
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<tr>
<td>MATH 2415</td>
<td>Calculus III</td>
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<tr>
<td>MATH 3310</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3320</td>
<td>Modern Geometry</td>
<td>3</td>
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<tr>
<td>or MATH 3325</td>
<td>Geometry</td>
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</tr>
<tr>
<td>MATH 3360</td>
<td>Statistical Analysis</td>
<td>3</td>
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<tr>
<td>MATH 3365</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4310</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4335</td>
<td>Advanced Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

The student’s advisor and/or committee may require additional courses if thought necessary to prepare the student for a specific field in mathematics.

Degrees
Master's Degrees

• Master of Science in Mathematics (MS) (p. 257)
• Master of Science in Mathematics Non-Thesis (MS) (p. 257)
• Master of Science in Mathematics, Applied Statistics Track Non-Thesis (MS) (p. 258)
• Master of Science in Mathematics, Mathematics Education Track Non-Thesis (MS) (p. 258)

Master of Science in Mathematics (MS)

Major Curriculum - Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>MATH 5305</td>
<td>Real Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5320</td>
<td>Complex Variables I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5330</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5365</td>
<td>Topology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5370</td>
<td>Mathematical Modeling</td>
<td>3</td>
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Select four courses from the following: 12

<table>
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<tbody>
<tr>
<td>MATH 5303</td>
<td>Number Theory I</td>
<td></td>
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<tr>
<td>MATH 5304</td>
<td>Number Theory II</td>
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<tr>
<td>MATH 5306</td>
<td>Linear Algebra</td>
<td></td>
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<tr>
<td>MATH 5311</td>
<td>Real Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 5312</td>
<td>Functional Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 5315</td>
<td>Combinatorics</td>
<td></td>
</tr>
<tr>
<td>MATH 5316</td>
<td>Graph Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 5321</td>
<td>Complex Variables II</td>
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<tr>
<td>MATH 5331</td>
<td>Abstract Algebra II</td>
<td></td>
</tr>
<tr>
<td>MATH 5340</td>
<td>Differential Geometry</td>
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<tr>
<td>MATH 5350</td>
<td>Ordinary Diff Equations</td>
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<tr>
<td>MATH 5355</td>
<td>Advanced Topics in Mathematics</td>
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</tr>
<tr>
<td>MATH 5360</td>
<td>Partial Differential Equations</td>
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<tr>
<td>MATH 5367</td>
<td>Numerical Methods for PDE I</td>
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<tr>
<td>MATH 5368</td>
<td>Numerical Methods for PDE II</td>
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</tr>
<tr>
<td>MATH 5375</td>
<td>Probability</td>
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</table>

Select a total of three semester hours from the following: 3

<table>
<thead>
<tr>
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<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MATH 5191</td>
<td>Mathematics Seminar</td>
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<tr>
<td>MATH 5252</td>
<td>Internship in Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 5290</td>
<td>Research Mthds in Mathematics</td>
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</table>

Thesis

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MATH 5398</td>
<td>Thesis I</td>
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</tr>
<tr>
<td>MATH 5399</td>
<td>Thesis II</td>
<td>3</td>
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</tbody>
</table>

Total Semester Credit Hours 36

Master of Science in Mathematics Non-Thesis (MS)

Major Curriculum - Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MATH 5305</td>
<td>Real Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5320</td>
<td>Complex Variables I</td>
<td>3</td>
</tr>
</tbody>
</table>

Texas A&M International University 2021-2022 Catalog
MATH 5330  Abstract Algebra I  3  
MATH 5365  Topology  3  
MATH 5370  Mathematical Modeling  3  
Select six courses from the following:  18  
MATH 5303  Number Theory I  
MATH 5304  Number Theory II  
MATH 5306  Linear Algebra  
MATH 5311  Real Analysis II  
MATH 5312  Functional Analysis I  
MATH 5315  Combinatorics  
MATH 5316  Graph Theory  
MATH 5321  Complex Variables II  
MATH 5331  Abstract Algebra II  
MATH 5340  Differential Geometry  
MATH 5350  Ordinary Diff Equations I  
MATH 5355  Advanced Topics in Mathematics  
MATH 5360  Partial Differential Equations  
MATH 5367  Numerical Methods for PDE I  
MATH 5368  Numerical Methods for PDE II  
MATH 5375  Probability  
Select a total of three semester hours from the following:  3  
MATH 5191  Mathematics Seminar  
MATH 5252  Internship in Mathematics  
MATH 5290  Research Mthds in Mathematics  
Total Semester Credit Hours  36  

Master of Science in Mathematics, Mathematics Education Track Non-Thesis (MS)  
Major Curriculum - Mathematics Education  

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5305</td>
<td>Real Analysis I</td>
<td>3</td>
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<tr>
<td>MATH 5320</td>
<td>Complex Variables I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5330</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5365</td>
<td>Topology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5375</td>
<td>Probability</td>
<td>3</td>
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</table>

Elective Mathematics (MATH) Courses  
Select two Mathematics courses at the 5000 level  6  

Required Statistics (STAT) Courses  
STAT 5390  Case Seminar in App Stats  3  

Elective Statistics (STAT) Courses  
Select two courses from the following:  6  
STAT 5300  Categorical Data Analysis  
STAT 5305  Applied Data Analysis  
STAT 5310  Stat Methods for Clin Trials  

Total Semester Credit Hours  36  

Psychology and Communication Degrees  

Master's Degrees  

- Master of Arts in Communication (MA) (p. 259)  
- Master of Arts in Communication Non-Thesis (MA) (p. 259)  
- Master of Arts in Counseling Psychology (MA) (p. 259)  
- Master of Science in Psychology (MS) (p. 260)  
- Master of Science in Psychology Non-Thesis (MS) (p. 261)
## Master of Arts in Communication (MA)

### Major Curriculum - Communication

<table>
<thead>
<tr>
<th>Code</th>
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<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
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</tr>
<tr>
<td>COMM 5301</td>
<td>Communication Theories</td>
<td>3</td>
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<tr>
<td>COMM 5302</td>
<td>Quant Research Methods in Comm</td>
<td>3</td>
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<tr>
<td>COMM 5303</td>
<td>Qualitative Rsrch Mthds inComm</td>
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<tr>
<td></td>
<td>Select three courses based on concentration from the following:</td>
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<tr>
<td></td>
<td><strong>Border and Latin American Media Studies</strong></td>
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</tr>
<tr>
<td>COMM 5310</td>
<td>Media, Cult&amp;Ident US-MX Border</td>
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</tr>
<tr>
<td>COMM 5311</td>
<td>Border Journalism</td>
<td></td>
</tr>
<tr>
<td>COMM 5312</td>
<td>Mexican &amp; Latino Cinema</td>
<td></td>
</tr>
<tr>
<td>COMM 5313</td>
<td>Ethno &amp; Doc Prod in Border Rgn</td>
<td></td>
</tr>
<tr>
<td>COMM 5320</td>
<td>Media Flows &amp; Audiences</td>
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</tr>
<tr>
<td>COMM 5321</td>
<td>Political Comm in a Comp Persp</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Organizational Communication in Transnational Settings</strong></td>
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<tr>
<td>COMM 5330</td>
<td>Organizational Communication</td>
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</tr>
<tr>
<td>COMM 5331</td>
<td>Intercultural Training in Org</td>
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<tr>
<td>COMM 5332</td>
<td>Org. Culture, Climate &amp; Comm</td>
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<tr>
<td>COMM 5333</td>
<td>Advertising</td>
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<tr>
<td>COMM 5334</td>
<td>Group/Team Dynamics</td>
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<tr>
<td>COMM 5335</td>
<td>Ethical Issues in Org</td>
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<tr>
<td></td>
<td><strong>Electives</strong></td>
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</tr>
<tr>
<td></td>
<td>Select four 5000-level graduate courses from other COMM courses.</td>
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</tr>
<tr>
<td></td>
<td><strong>Total Semester Credit Hours</strong></td>
<td>36</td>
</tr>
</tbody>
</table>

## Master of Arts in Counseling Psychology (MA)

All application materials for the Counseling Psychology Graduate Program are due by April 30th. The MACP program only admits students in the Fall. To be considered for admission to the Master of Arts in Counseling Psychology Program, the student must complete the following requirements before April 30.

1. Have earned a 3.00 GPA in the upper-level courses of undergraduate preparation.
2. Have three letters of recommendation from academic sources sent to the Department of Psychology and Communication.
3. Have a bachelor's degree and have satisfactorily completed the following prerequisite courses with a "B" or greater: PSYC 3302, PSYC 4301, PSYC 4303, and PSYC 4308.
4. Have submitted scores for the Graduate Record Examination (GRE) General Test.
5. Submit a criminal background check between February 1 and April 30.
6. Have completed a personal interview with the Counseling Psychology Graduate Admissions Committee.

Personal interviews will be conducted during the month of May.
Licensed Professional Counselor Exam
Completion of the Master of Arts in Counseling Psychology allows the graduate to sit for the Licensed Professional Counselor Exam. Upon passing the exam and completion of additional required internship hours, the graduate is eligible to become a Licensed Professional Counselor.

Degree Plan

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Major Curriculum - Psychology</td>
<td>45</td>
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<tr>
<td>Required courses:</td>
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</tr>
<tr>
<td>PSYC 5301</td>
<td>Intro to Couns &amp; Psychotherapy</td>
<td></td>
</tr>
<tr>
<td>PSYC 5303</td>
<td>Theories of Couns &amp; Psychothrp</td>
<td></td>
</tr>
<tr>
<td>PSYC 5305</td>
<td>Human Dev Across Life-Span</td>
<td></td>
</tr>
<tr>
<td>PSYC 5307</td>
<td>Psychopathology</td>
<td></td>
</tr>
<tr>
<td>PSYC 5308</td>
<td>Advanced Psychopathology</td>
<td></td>
</tr>
<tr>
<td>PSYC 5310</td>
<td>Ethical, Legal &amp; Prof Issues</td>
<td></td>
</tr>
<tr>
<td>PSYC 5315</td>
<td>Group Couns &amp; Psychotherapy</td>
<td></td>
</tr>
<tr>
<td>PSYC 5320</td>
<td>Research Design &amp; Statistics</td>
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</tr>
<tr>
<td>PSYC 5325</td>
<td>Marriage &amp; Family Therapies</td>
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</tr>
<tr>
<td>PSYC 5327</td>
<td>Child &amp; Adoles Psychotherapy</td>
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</tr>
<tr>
<td>PSYC 5331</td>
<td>Appraisal Techniques</td>
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<tr>
<td>PSYC 5336</td>
<td>Multicultural Issues in Couns</td>
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<tr>
<td>PSYC 5337</td>
<td>Ethic Leg &amp; Prof Iss in CMHC</td>
<td></td>
</tr>
<tr>
<td>PSYC 5338</td>
<td>Addictions Counseling</td>
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<tr>
<td>PSYC 5340</td>
<td>Career Counseling &amp; Dev</td>
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<tr>
<td>Two electives chosen from: ^1</td>
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<tr>
<td>PSYC 5335</td>
<td>Issues in Psychology</td>
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<tr>
<td>PSYC 5324</td>
<td>Crisis Counseling</td>
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<tr>
<td>PSYC 5341</td>
<td>Cult Asp Cnsling Clnts Hisp Dt</td>
<td></td>
</tr>
<tr>
<td>PSYC 5342</td>
<td>Tech Asp of Hisp in SPAN</td>
<td></td>
</tr>
<tr>
<td>PSYC 5398</td>
<td>Thesis I</td>
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<tr>
<td>PSYC 5399</td>
<td>Thesis II</td>
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<td>Supervised Clinical Experience</td>
<td>9</td>
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<tr>
<td>PSYC 5350</td>
<td>Counseling Practicum</td>
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<td>PSYC 5352</td>
<td>Counseling Internship I</td>
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<td>PSYC 5354</td>
<td>Counseling Internship II</td>
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<tr>
<td>Total Semester Credit Hours</td>
<td>60</td>
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</tbody>
</table>

^1 Students who elect to complete a Thesis must enroll in both PSYC 5398 and PSYC 5399 as their two elective requirement.

^ Students enrolled in the MACP program are required to take at least 6 credit hours per semester during the regular academic year and complete all courses with a grade of "B" or better.

Bilingual (English-Spanish) Counselor Certification requires the successful completion of PSYC 5341 and PSYC 5342. In addition, at least 50 direct clinical hours must be obtained by providing culturally and linguistically appropriate counseling services.

Master of Science in Psychology (MS)
All application materials for the Master of Science in Psychology are due by the date prescribed by the Office of Graduate Studies and Research to be considered for admission. Students may apply and begin the graduate program in the Fall or in the Spring.

The following are the admissions criteria for the MS in the Psychology Program:

1. Submit an application for graduate studies by the due date provided by the Graduate School. Deadlines may be found at: http://www.tamiu.edu/gradschool/
2. Pay the application fee.
3. Submit an official transcript from the last institution attended and an official transcript from the institution where the highest degree was earned. In some cases it may be the same institution.
4. Submit two letters of recommendation from academic or professional sources to the Graduate School.
5. Include a statement of purpose with a minimum of 300 words describing your academic and career goals and objectives.
6. Include a sample of your academic writing skills (it may be an undergraduate research paper, a book chapter, or a journal article).

Degree Plan

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Major Curriculum - Psychology</td>
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</tr>
<tr>
<td>Required Courses</td>
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<tr>
<td>PSYC 5302</td>
<td>Survey of Social Psychology</td>
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</tr>
<tr>
<td>PSYC 5304</td>
<td>Survey of Personal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5305</td>
<td>Human Dev Across Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5320</td>
<td>Research Design &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5370</td>
<td>Cognitive Science</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5398</td>
<td>Thesis I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5399</td>
<td>Thesis II</td>
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<tr>
<td>PSYC 5335</td>
<td>Issues in Psychology</td>
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</tr>
<tr>
<td>PSYC 5336</td>
<td>Multicultural Issues in Couns</td>
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</tr>
<tr>
<td>PSYC 5338</td>
<td>Addictions Counseling</td>
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</tr>
<tr>
<td>PSYC 5365</td>
<td>Advanced Statistics</td>
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</tr>
<tr>
<td>PSYC 5368</td>
<td>Spc Topics Research Methods</td>
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</tr>
<tr>
<td>PSYC 5369</td>
<td>Bilingual Cognition</td>
<td></td>
</tr>
<tr>
<td>PSYC 5374</td>
<td>Human Memory</td>
<td></td>
</tr>
<tr>
<td>PSYC 5375</td>
<td>Intro to Neuropsychology</td>
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</tr>
<tr>
<td>PSYC 5397</td>
<td>Graduate Research</td>
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</table>

Total Semester Credit Hours 36
Graduate Information

1 9 SCH of electives may be selected from any 5000-level graduate courses, including those from other departments in the university, with the approval of the Graduate Advisor.

Master of Science in Psychology Non-Thesis (MS)

All application materials for the Master of Science in Psychology are due by the date prescribed by the Office of Graduate Studies and Research to be considered for admission. Students may apply and begin the graduate program in the Fall or in the Spring.

The following are the admissions criteria for the MS in the Psychology Program:

1. Submit an application for graduate studies by the due date provided by the Graduate School. Deadlines may be found at: http://www.tamiu.edu/gradschool/
2. Pay the application fee.
3. Submit an official transcript from the last institution attended and an official transcript from the institution where the highest degree was earned. In some cases it may be the same institution.
4. Submit two letters of recommendation from academic or professional sources to the Graduate School.
5. Include a statement of purpose with a minimum of 300 words describing your academic and career goals and objectives.
6. Include a sample of your academic writing skills (it may be an undergraduate research paper, a book chapter, or a journal article).

Degree Plan

Major Curriculum - Psychology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 5302</td>
<td>Survey of Social Psychology</td>
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</tr>
<tr>
<td>PSYC 5304</td>
<td>Survey of Personal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5305</td>
<td>Human Dev Across Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5320</td>
<td>Research Design&amp;Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5370</td>
<td>Cognitive Science</td>
<td>3</td>
</tr>
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<td>PSYC 5388</td>
<td>Psychology Internship I</td>
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<td>PSYC 5389</td>
<td>Psychology Internship II</td>
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</table>

Electives

Select five courses from the following: 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSYC 5335</td>
<td>Issues in Psychology</td>
</tr>
<tr>
<td>PSYC 5336</td>
<td>Multicultural Issues in Couns</td>
</tr>
<tr>
<td>PSYC 5338</td>
<td>Addictions Counseling</td>
</tr>
<tr>
<td>PSYC 5365</td>
<td>Advanced Statistics</td>
</tr>
<tr>
<td>PSYC 5368</td>
<td>Spc Topics Research Methods</td>
</tr>
<tr>
<td>PSYC 5374</td>
<td>Human Memory</td>
</tr>
<tr>
<td>PSYC 5375</td>
<td>Intro to Neuropsychology</td>
</tr>
</tbody>
</table>

Social Sciences Degrees

Master's Degrees

Master of Arts in History and Political Thought - Double Concentration Non-Thesis (MA)

1 9 SCH of electives may be selected from any 5000-level graduate courses, including those from other departments in the university, with the approval of the Graduate Advisor.

DOCTOR OF PHILOSOPHY

• Doctor of Philosophy in Criminal Justice (Ph.D) (p. 265)

CERTIFICATE

• Certificate in Nonprofit Leadership and Management (p. 266)

Major Curriculum - History

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
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<tr>
<td>PSCI 5370</td>
<td>Political &amp; Historical Thought</td>
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Concentration - History

Select five courses from the following: 15

<table>
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<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>HIST 5170-5670</td>
<td>Directed Research in History</td>
</tr>
<tr>
<td>HIST 5301</td>
<td>Seminar in US History</td>
</tr>
<tr>
<td>HIST 5302</td>
<td>The West In American History</td>
</tr>
<tr>
<td>HIST 5305</td>
<td>Civil War &amp; Reconstruction</td>
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<tr>
<td>HIST 5310</td>
<td>Seminar in World History</td>
</tr>
<tr>
<td>HIST 5313</td>
<td>Sem in 18th Century US History</td>
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<td>HIST 5314</td>
<td>Sem in 19th Century US History</td>
</tr>
<tr>
<td>HIST 5315</td>
<td>Sem in 20th Century US Hist</td>
</tr>
<tr>
<td>HIST 5320</td>
<td>Seminar in Latin American Hist</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------------------------------</td>
</tr>
<tr>
<td><strong>History and Political Thought Core</strong></td>
<td></td>
</tr>
<tr>
<td>HIST 5380</td>
<td>Historiography</td>
</tr>
<tr>
<td>PSCI 5370</td>
<td>Political &amp; Historical Thought</td>
</tr>
<tr>
<td><strong>Concentration - Political Science</strong></td>
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<tr>
<td>PSCI 5301</td>
<td>Adv Methods of Social Research</td>
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<tr>
<td>Select five courses from the following:</td>
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<tr>
<td>PSCI 5110-5610</td>
<td>Directed Research in Political Science</td>
</tr>
<tr>
<td>PSCI 5303</td>
<td>American Political Institution</td>
</tr>
<tr>
<td>PSCI 5308</td>
<td>American Political Behavior</td>
</tr>
<tr>
<td>PSCI 5309</td>
<td>Mexican Politics &amp; Government</td>
</tr>
<tr>
<td>PSCI 5311</td>
<td>Constitutional Law</td>
</tr>
<tr>
<td>PSCI 5326</td>
<td>The Judicial Process</td>
</tr>
<tr>
<td>PSCI 5330</td>
<td>Sem in Political Philosophy</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 36

Note: See College of Arts and Sciences - Undergraduate Degrees (p. 64) for information on the combined BA/MA degree in History.

### Master of Arts in History & Political Thought, Political Science Concentration Non-Thesis (MA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>History and Political Thought Core</strong></td>
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</tr>
<tr>
<td>HIST 5380</td>
<td>Historiography</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 5370</td>
<td>Political &amp; Historical Thought</td>
<td>3</td>
</tr>
<tr>
<td><strong>Concentration - Political Science</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSCI 5301</td>
<td>Adv Methods of Social Research</td>
<td>3</td>
</tr>
<tr>
<td>Select four courses from the following:</td>
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<td>12</td>
</tr>
<tr>
<td>PSCI 5110-5610</td>
<td>Directed Research in Political Science</td>
<td></td>
</tr>
<tr>
<td>PSCI 5303</td>
<td>American Political Institution</td>
<td></td>
</tr>
<tr>
<td>PSCI 5308</td>
<td>American Political Behavior</td>
<td></td>
</tr>
<tr>
<td>PSCI 5309</td>
<td>Mexican Politics &amp; Government</td>
<td></td>
</tr>
<tr>
<td>PSCI 5311</td>
<td>Constitutional Law</td>
<td></td>
</tr>
<tr>
<td>PSCI 5326</td>
<td>The Judicial Process</td>
<td></td>
</tr>
<tr>
<td>PSCI 5330</td>
<td>Sem in Political Philosophy</td>
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</tr>
<tr>
<td>PSCI 5340</td>
<td>Comparative Politics</td>
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</tr>
</tbody>
</table>

Total Semester Credit Hours 33
**PSCI 5345**  Topics in Area Studies  
**PSCI 5350**  Ethnic Politics  
**PSCI 5360**  American Foreign Policy  
**PSCI 5368**  Sem in International Politics  
**PSCI 5372**  Topics in Int. Politics  
**PSCI 5373**  Adv Sem in Latin-Amr Politics  
**PSCI 5385**  Political Science Internship  
**PSCI 5390**  Special Problems in PSCI  

## Required Cognate Field

Select one course from the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5301</td>
<td>Seminar in US History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5302</td>
<td>The West In American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5305</td>
<td>Civil War &amp; Reconstruction</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5310</td>
<td>Seminar in World History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5313</td>
<td>Sem in 18th Century US History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5314</td>
<td>Sem in 19th Century US History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5315</td>
<td>Sem in 20th Century US Hist</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5320</td>
<td>Seminar in Latin American Hist</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5324</td>
<td>Seminar in US Women's Hist</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5325</td>
<td>Seminar in Mexican History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5330</td>
<td>Seminar in European History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5340</td>
<td>Sem Women in the Develop World</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5355</td>
<td>Sem in the History of Religion</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5360</td>
<td>Seminar in Border History</td>
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</table>

## Thesis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 5398</td>
<td>Thesis I</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 5399</td>
<td>Thesis II</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 30

Note: See College of Arts and Sciences - Undergraduate Degrees (p. 64) for information on the combined BA/MA degree in History.

---

**Master of Arts in Sociology Non-Thesis (MA)**

## Major Curriculum - Sociology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td></td>
</tr>
<tr>
<td>SOCI 5303</td>
<td>Seminar in Sociological Theory</td>
<td>9</td>
</tr>
<tr>
<td>SOCI 5305</td>
<td>Sociology of Health &amp; Illness</td>
<td></td>
</tr>
<tr>
<td>SOCI 5321</td>
<td>Social Inquiry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select six SOCI courses at the 5000 level</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minor Curriculum</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select three 5000-level graduate courses from one discipline</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Total Semester Credit Hours</td>
<td>36</td>
</tr>
</tbody>
</table>

Note: See College of Arts and Sciences - Undergraduate Degrees (p. 64) for information on the combined BA/MA degree in Sociology.

---

**Master of Public Administration (MPA)**

The Master of Public Administration Degree (MPA) is open to all students who hold any baccalaureate degree from an accredited institution and meet the requirements of the College of Arts and Sciences for graduate admission. In addition, candidates for admission must meet the criteria listed below:

- A minimum cumulative grade point average of 3.0 (4-point scale).
- Satisfactory performance on the statement of purpose essay portion of the application.
- Satisfactory performance on the personal interview portion of the program admissions process.

**International Students** from non-English speaking countries will need a TOEFL exam score of 79 (On-line version) or 550 (paper-based) or an ILETS score of 6.5.

## Accreditation

The Master of Public Administration program is accredited by the National Association of Schools of Public Affairs and Administration (NASPAA).
Degree Plan
Master of Public Administration (MPa)
Major Curriculum

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PADM 5375</td>
<td>Surv of Pub Adm &amp; Pub Affairs ¹</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5301</td>
<td>Adv Methods of Social Rsch ²</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5332</td>
<td>Program Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5334</td>
<td>Administrative Law</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5342</td>
<td>Organization Theory</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5344</td>
<td>Communication for Public Adm</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5362</td>
<td>Administrative Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5378</td>
<td>Human Resources Mgt in PADM</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5380</td>
<td>Prin &amp; Politics of Public Budg</td>
<td>3</td>
</tr>
<tr>
<td>PADM 5382</td>
<td>Public Policy Dev &amp; Implem</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one from the following: 3
- PADM 5395 | Project
- or PADM 5396 | Internship

Electives
Select three 5000-level graduate courses with advisor’s approval 9
Total Semester Credit Hours 42

¹ Prerequisite for all required courses including Project and Internship.
² Prerequisite for PADM 5332.

Master of Science in Criminal Justice (MS)

Admission to the Master of Science program in Criminal Justice is competitive. The decision to admit applicants is based upon a number of factors. The undergraduate GPA, as well as writing skills in the personal statement and writing sample play a significant role in evaluating each applicant’s ability to be successful in the Master’s program. Other factors that are considered include letters of recommendation, the resume and other graduate work where applicable. It is extremely important to ensure that the application packet contains the applicant’s best work. Failure to provide all of the required documents in the proper format or length will result in the automatic non-admission to the program.

All application materials for the Master of Science in Criminal Justice are due by the date prescribed by the Office of Graduate Studies & Research to be considered for admission. Students may apply and begin the graduate program in the Fall, Spring, or Summer if fully admitted into the program (to begin in summer, the application materials must be received by the due date for Spring). Students who are provisionally admitted, must begin the graduate program in the Fall or Spring. In addition, all provisionally admitted students must take two required courses prior to completing any other graduate course work and receive a B or better in both required courses in order to proceed to full admission.

In those cases where the undergraduate major and minor differs from criminal justice, the applicant may be required to take developmental undergraduate courses. These cases will be reviewed by the criminal justice faculty.

To be considered for admission to the Master of Science in Criminal Justice, you must meet the following requirements prior to the application deadline:

- Submit an application for graduate studies by the due dates provided by the Graduate School. Deadlines can be found at: http://www.tamiu.edu/gradschool/
- Pay the application fee
- Submit transcripts from all colleges/universities attended
- Submit a resume

Automatic Admission will be afforded to students who earned a bachelor’s degree (any major/field) with an overall GPA of 2.8 or above OR a 2.5 overall GPA with 3 or more years of work experience in Criminal Justice or related fields. Applicants with an overall GPA below 2.8 with no work experience in Criminal Justice or related fields will be reviewed by program faculty.

Applicants with an overall GPA below 2.5 will also be required to submit a 200-word Personal Statement describing their academic/professional background characteristics that will assist them in successfully completing the online degree program and will be reviewed on a case-by-case basis by Program Faculty.

The admissions committee may request a personal interview.

Declaration of Track

If admitted to the master’s in criminal justice program, students will be automatically enrolled as non-thesis track.

Students who wish to declare thesis track must:

- Meet with a faculty member during the first semester of enrollment in the MSCJ program and obtain commitment from that faculty member to serve as thesis advisor. Only a thesis advisor will be eligible to approve the change of Track from Non-thesis to Thesis
- Maintain a 3.5 GPA during the first full year of enrollment in the MSCJ program.
- Students who do not maintain a 3.5 GPA during the first full year of enrollment may petition to remain on thesis track by writing a letter to the criminal justice faculty that includes:
  - Reasons for first year GPA
  - Name of thesis advisor and confirmed or potential thesis committee members
  - Research question to be answered by the thesis
  - Methodological plan to answer the research question
  - A statement from the thesis advisor supporting continued enrollment in thesis track
- Enroll in CRIJ 5398 and CRIJ 5399 during the last two semesters of the program.
Degree Plan
Major Curriculum - Criminal Justice

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semesters</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 5300</td>
<td>Found in Criminal Justice</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5301</td>
<td>Adv Smnr in Crij System</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5320</td>
<td>Advanced Methods of Social Res</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5327</td>
<td>Adv Quantitative Mthds in CRIJ</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5330</td>
<td>Seminar in Criminological Theo</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select three 3hr 5000-level Criminal Justice courses.</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Thesis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRIJ 5398</td>
<td>Thesis I</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5399</td>
<td>Thesis II</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Semester Credit Hours</td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Master of Science in Criminal Justice Non-Thesis (MS)

All application materials for the Master of Science in Criminal Justice are due by the date prescribed by the Graduate School to be considered for admission. Students may apply and begin the graduate program in the Fall, Spring, or Summer if fully admitted into the program.

To be considered for admission to the Master of Science in Criminal Justice, you must meet the following requirements prior to the application deadline:

- Submit an application for graduate studies by the due dates provided by the Graduate Office. Deadlines can be found at: http://www.tamiu.edu/gradschool/
- Pay the application fee
- Submit transcripts from all colleges/universities attended
- Submit a professional resume

Automatic Admission will be granted to students with a bachelor’s degree (in any major or field) with an overall GPA of 2.8 or above OR a 2.5 overall GPA with 3 or more years of work experience in Criminal Justice or related fields. Applicants with an overall GPA below 2.8 with no work experience in Criminal Justice or related fields will be reviewed by program Faculty.

Applicants with an overall GPA below 2.5 will also be required to submit a 200-word Personal Statement describing their academic or professional background characteristics that will assist them in successfully completing the online degree program and will be reviewed on a case-by-case basis by Program Faculty.

The admissions committee may request a personal interview.

Declaration of Track
If admitted to the master's in criminal justice program, students will be automatically enrolled as non-thesis track.

Students who wish to declare thesis track must:

- Meet with a faculty member during the first semester of enrollment in the MSCJ program and obtain commitment from that faculty member to serve as thesis advisor. Only a thesis advisor will be eligible to approve the change of Track from Non-thesis to Thesis
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  - Students who do not maintain a 3.5 GPA during the first full year of enrollment may petition to remain on thesis track by writing a letter to the criminal justice faculty that includes:
    - Reasons for first year GPA
    - Name of thesis advisor and confirmed or potential thesis committee members
    - Research question to be answered by the thesis
    - Methodological plan to answer the research question
    - A statement from the thesis advisor supporting continued enrollment in thesis track
  - Enroll in CRIJ 5398 and CRIJ 5399 during the last two semesters of the program.

Degree Plan
Major Curriculum - Criminal Justice

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semesters</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 5300</td>
<td>Found in Criminal Justice</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5301</td>
<td>Adv Smnr in Crij System</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5303</td>
<td>Law&amp;Criminal Justice</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5320</td>
<td>Advanced Methods of Social Res</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5330</td>
<td>Seminar in Criminological Theo</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5395</td>
<td>Capstone Project in CRIJ</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Criminal Justice Electives</td>
<td></td>
<td>18</td>
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<tr>
<td></td>
<td>Select six CRIJ courses at the 5000 level.</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Total Semester Credit Hours</td>
<td></td>
<td>36</td>
</tr>
</tbody>
</table>

Doctor of Philosophy with a major in Criminal Justice (Ph.D. CJ)

Overview
Admission

Admission to the Doctor of Philosophy in Criminal Justice degree program requires prospective students to meet specified standards provided by the Graduate School at TAMU. Students seeking admission to the proposed PhD in Criminal Justice degree program must have completed a master's degree before beginning coursework. International students seeking admission to the program must meet the TAMU Graduate School’s requirements governing admission of international students. Applications with only a juris doctorate (J.D.) will be required to complete and pass with at least a “B” a master’s level statistics course. The PhD in Criminal Justice degree program faculty will review

Texas A&M International University 2021-2022 Catalog
all applications and determine admissibility to the program. TAMU’s proposed PhD in Criminal Justice degree program requires the following materials to be submitted by an applicant to the Graduate School at TAMU:

1. Official Texas A&M International University online doctoral degree application and an application fee of $35.00.

2. A master’s degree in criminal justice or a closely related field. Students with a Master’s degree in a discipline other than Criminal Justice/Criminology or closely related disciplines will be reviewed and determined on a case by case basis.

3. Official transcripts from each post-secondary school attended. If the applicant has completed a master’s degree, then a final official transcript must show evidence of degree completion. A minimum 3.0 GPA is required in the last 60 hours graduate/undergraduate coursework.

4. Official Graduate Record Examination (GRE) scores. Applicants with a completed J.D. may use an official LSAT report in lieu of the GRE if this was taken within the past five years and the applicant scored 155 or higher.

5. Two letters of recommendation from university faculty members familiar with the applicant’s academic work; if the applicant desires, a third letter of recommendation may be submitted from another person qualified to evaluate the applicant’s potential for doctoral study.

6. Applicants must submit a personal statement, limited to 1,000 words (12-point font, double spaced). An applicant will need to address the following questions in his/her personal statement: [1] What are your research interests and discuss some of your research experiences. [2] Which faculty member(s) in the PhD program would you most likely work with? Why? [3] What are your career goals and how do you see our PhD Program helping you to achieve those goals? [4] What personal assets (talent, skills, experiences, etc.) can you bring to our program? Note that only a few students will be admitted each year and applicants are unlikely to be successful if there is no suitable supervisor available within the program.

7. A resume or curriculum vita. Please limit this to no more than 10 pages.

8. A writing sample that illustrates the applicant’s ability to synthesize information and think critically. Examples of acceptable writing samples are a thesis, a peer-reviewed publication, or a technical report written by the applicant. For a multi-authored peer-reviewed publication, the applicant should be the first and/or the primary author.

9. International students must comply with all admission requirements set by the Graduate School at TAMU, including TOEFL requirements (https://www.tamiu.edu/admissions/Internat.shtml).

10. Upon acceptance, students are expected to complete the graduate school online orientation (https://www.tamiu.edu/sole/orientation.shtml).

### Degree Plan

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Coursework</strong></td>
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</tr>
<tr>
<td>CRJ 6101</td>
<td>Proseminar in Criminal Justice</td>
<td>22</td>
</tr>
<tr>
<td>CRJ 6302</td>
<td>Advanced Research Methods CJ</td>
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</tr>
<tr>
<td>CRJ 6303</td>
<td>Adv Quant Stats Regression</td>
<td></td>
</tr>
<tr>
<td>CRJ 6340</td>
<td>Sem in Criminological Theory</td>
<td></td>
</tr>
<tr>
<td>CRJ 6304</td>
<td>Adv Qualitative Methods</td>
<td></td>
</tr>
<tr>
<td>CRJ 6361</td>
<td>Program and Policy Evaluation</td>
<td></td>
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<tr>
<td>CRJ 6390</td>
<td>Teaching CJ Seminar</td>
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</tr>
<tr>
<td>CRJ 6351</td>
<td>Criminal Law Procedure Law</td>
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<tr>
<td><strong>Electives</strong></td>
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<td>15</td>
</tr>
<tr>
<td>CRJ 6305</td>
<td>Time Series Analysis</td>
<td></td>
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<tr>
<td>CRJ 6306</td>
<td>Advanced Mixed Methods</td>
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<tr>
<td>CRJ 6307</td>
<td>Seminar in Corrections</td>
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<tr>
<td>CRJ 6308</td>
<td>Contemporary CJ Issues</td>
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<tr>
<td>CRJ 6309</td>
<td>Seminar in Law Enforcement</td>
<td></td>
</tr>
<tr>
<td>CRJ 6311</td>
<td>Neighborhoods, Crime, &amp; Maps</td>
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</tr>
<tr>
<td>CRJ 6320</td>
<td>Homeland Security</td>
<td></td>
</tr>
<tr>
<td>CRJ 6321</td>
<td>Human Trafficking &amp; Smuggling</td>
<td></td>
</tr>
<tr>
<td>CRJ 6325</td>
<td>Cybercrime</td>
<td></td>
</tr>
<tr>
<td>CRJ 6330</td>
<td>Immigration &amp; Crime</td>
<td></td>
</tr>
<tr>
<td>CRJ 6335</td>
<td>Advanced Topics in Victimology</td>
<td></td>
</tr>
<tr>
<td>CRJ 6355</td>
<td>Intelligence Gathering</td>
<td></td>
</tr>
<tr>
<td>CRJ 6356</td>
<td>Terrorism</td>
<td></td>
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<tr>
<td>CRJ 6357</td>
<td>International Criminal Court</td>
<td></td>
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<tr>
<td>CRJ 6365</td>
<td>Criminal Justice Management</td>
<td></td>
</tr>
<tr>
<td>CRJ 6391</td>
<td>Special Topics in Crim Justice</td>
<td></td>
</tr>
<tr>
<td><strong>Research Portfolio</strong></td>
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</tr>
<tr>
<td>CRJ 6396</td>
<td>Research Portfolio I</td>
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</tr>
<tr>
<td>CRJ 6397</td>
<td>Research Portfolio II</td>
<td></td>
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<tr>
<td><strong>Dissertation</strong></td>
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</tr>
<tr>
<td>CRJ 6398</td>
<td>Dissertation I</td>
<td></td>
</tr>
<tr>
<td>CRJ 6399</td>
<td>Dissertation II</td>
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</tr>
<tr>
<td><strong>Total Semester Credit Hours</strong></td>
<td></td>
<td>49</td>
</tr>
</tbody>
</table>

### Certificate in Nonprofit Leadership & Management

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Course</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PADM 5377</td>
<td>Survey of Nonprofit Lead&amp;MGT</td>
<td>3</td>
</tr>
<tr>
<td><strong>Three courses chosen from:</strong></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>PADM 5379</td>
<td>Philanthropy, Fund Raising NPO</td>
<td></td>
</tr>
</tbody>
</table>
The Certificate in Nonprofit Leadership and Management is open to current master’s students at TAMIU and to graduates of any baccalaureate or master’s program from an accredited university. Undergraduate students who are eligible to take graduate courses are also eligible for admission to the Certificate program. Current students must be in good standing with a cumulative grade point average of 3.0. While individual courses may be taken by TAMIU Master of Public Administration students for elective credit, MPA students who wish to receive the Certificate must apply for admission to the certificate program.

**For Currently Enrolled TAMIU Graduate Students:**
To be accepted for admission to the Certificate program, students must be currently enrolled in a master’s program and be in good academic standing with a grade point average of at least 3.0 on a 4.0 point scale. Current TAMIU students are encouraged to apply for admission within the first 30 days of enrollment in the first class in the Certificate program.

**Students holding a master’s degree from an accredited university and those currently enrolled at an accredited university other than TAMIU:**
Application for admission must be received by the Graduate School prior to enrolling in the first class in the Certificate program. Other university requirements for non-degree seeking students must be completed as well. There is no GRE requirement for admission to the Certificate program.

Decisions regarding admission to the Certificate in Nonprofit Leadership and Management program will be made by the MPA faculty and conveyed to applicants within two weeks of submission of all required materials.

### College of Education

#### General Requirements for Graduate Degrees
See Academic Regulations for Graduate Degrees for specific TAMIU regulations.

#### Grading Policies
The College of Education has adopted the following grading scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>D</td>
<td>60-69</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
</tr>
<tr>
<td>FN</td>
<td>Failure for Non-Attendance</td>
</tr>
</tbody>
</table>

### Degree Requirements
1. **Major-Minor Requirements:** Eighteen (18) to twenty-one (21) hours in a major subject and twelve (12) to fifteen (15) hours in a minor or specialized area.
2. **Thesis:** Graduate students in the College of Education may choose from a thesis or non-thesis track where available. Thesis track students will be expected to complete and successfully defend a thesis related to the major field of study and enroll in a thesis writing course offered by the College of Education.
3. **Comprehensive Examination:** Non-Thesis degrees in the College of Education may require a comprehensive examination to complete the requirements of the degree. Students should check with their respective program coordinators for further information. This exam is typically taken in the last semester of coursework and is valid for one year. Exams will be given each long semester. A student who fails to pass one or more questions of the exam will be allowed one opportunity to repeat and pass the exam. All requirements for a master’s degree to include the comprehensive exam must be completed within a period of five years. Students majoring in Bilingual Education will be required to pass both a written and oral comprehensive exam in the major and minor fields of study to satisfy degree requirements. Students majoring in a Master of Curriculum and Instruction degree plan and admitted Fall 2018 or after will be required to complete a culminating project.
4. **A Second Master’s Degree:** Students shall not be permitted to apply the same course credit to more than one master’s degree.
5. **Leave of Absence:** Under unusual circumstances, a student may petition for a leave of absence. A petition for leave of absence is initiated by the student by submitting a Leave of Absence Request form. The Department/Advisory Committee Chair and College Dean must approve the petition and route it to the Graduate School. If the Graduate School Dean approves the petition, the registration requirement will be set aside during the period of leave. Leave will be granted only under conditions that require the suspension of all activities associated with pursuing the degree. For certain types of approved leave, such as medical, the time period for the completion of the degree will stop with the leave and begin when the student returns to the program. Other types of leave may not stop the time limit for the degree. A student should refer to the sections on Time Limits for master’s and doctoral programs. A leave of absence is granted for one year. In a case of extenuating circumstances, the leave of absence can be extended by the student’s Department/Advisory Committee Chair and the Graduate School Dean. A student who returns to the University after an approved leave of absence will not be required to submit an application for readmission to the Graduate School. An international student should visit with an Office of International Engagement advisor to find out how a leave of absence may impact the student’s stay in or re-entry into the U.S.
Post-Baccalaureate Teacher Certification Candidates
Candidates pursuing initial teacher certification may enroll in graduate level courses only if they have been accepted to Graduate Study in the College of Education.

Professional Certificate Application Process

1. When a student chooses a degree that has a professional certificate attached to it:
   a. The applicant must inform the Office of Graduate Studies during the initial application process of the intent to pursue the certificate after completing the Master’s program (selection is made in the Apply Texas application). E.g. MSED-Educational Administration + Principal Certificate.
   b. The Office of Graduate Studies (OGS) will then code the student in 2 programs (degree + certificate). When the student completes the degree and wants to begin the certificate, there is no need to apply again as the certificate program will be active. The Banner record will reflect this to allow registration and financial aid (if applicable).

2. If, however, the student does not indicate the certificate option during the initial application process, then the student will need to apply with OGS after finishing the Master’s program but before registering for certificate coursework. The student will follow the standard application process of submitting an application and fee.

3. For a student who finishes the Master’s degree and then wants to pursue a certificate different from the completed degree, the student will need to follow the standard application process of submitting an application and fee. The student will also need to be reviewed and admitted into the new program.

Eligibility to Take TExES Exams

Approval to take TExES Exams is based on the procedure and criteria listed below.

1. Eligibility to Test. To be approved and eligible to sit for a TExES exam, graduate students, including Post-baccalaureate and Alternative Certification Program (ACP) students must complete required coursework and be in good standing with the College of Education.

2. Test Preparation Sessions and Practice Tests.
   a. Post-baccalaureate, ACP, and graduate students pursuing an initial teaching certificate must complete six clock hours of Test Preparation and pass the appropriate Practice Test(s) before receiving approval to take any TExES exam/s. Test Preparation Sessions will be scheduled and conducted by University faculty.
   b. All students (ACP, post-baccalaureate, and graduate students) must complete the appropriate Practice Tests to be given approval to take a TExES exam. Approval for Practice Tests will be through the Certification Office in the College of Education with the Advisor’s consent. Practice Tests are administered through the Texas A&M International University Testing Center, by appointment only.

   c. Post-baccalaureate and graduate students must obtain a successful passing score on the Practice Test to be approved to take the corresponding State test.

   d. Alternative Certification Program students must complete six hours of test preparation and successfully complete a Practice Test to be approved to take the PPR exam.

3. Exam sequence. Students seeking certification must take the required TExES in a prescribed sequence, noted below:
   a. Post-baccalaureate students must take the TExES exams in the following sequence:
      i. The Generalist/Content Exam in the specialization/major area. This test may not be taken until all coursework in the specialization/major area has been completed.
      ii. Bilingual Target Language Proficiency Test (BTLPT) (Bilingual EC-6 and 408). Students must have successfully completed all required Spanish courses, as applicable, prior to taking the BTLPT. Student must pass the BTLPT to be eligible to take the Pedagogy and Professional Responsibilities Exam (PPR).
      iii. Pedagogy and Professional Responsibilities Exam (PPR). To be eligible to take this test, students must have passed the Generalist/Content Area Exam and must be the teacher of record or enrolled in an internship in the area of specialization/major and grade level in which certification is being sought.
   b. ACP students must take required TExES exams in the following sequence:
      i. The Generalist/Content Exam in the specialization/major area. This exam is taken after the students has been admitted into the Alternative Certification Program, and must be passed before obtaining a teaching position in a public school.
      ii. The Pedagogy and Professional Responsibilities Exam (PPR). Students must have completed six hours of test preparation sessions, a Practice Test, EDCI 5300, be in good standing with the College of Education, and be in their first year of teaching to be eligible to take the PPR.
      iii. Pedagogy and Professional Responsibilities Exam (PPR). To be eligible to take this test, students must have passed the Generalist/Content Area Exam and must be the teacher of record or enrolled in an internship in the area of specialization/major and grade level in which certification is being sought.

4. Taking a Second TExES Exam. Post-baccalaureate and ACP students must pass the TExES Exam they have been approved to take before attempting a second exam.

5. Students pursuing Bilingual Certification. Students pursuing certification in Bilingual Education, EC-6, must take the Generalist Exam for EC-6 and the Bilingual Supplemental Exam (EC-12).

6. Intervention. Post-baccalaureate, ACP, and graduate students who fail a TExES exam must complete an intervention designed to address domains/competencies on the exam which the student failed. Interventions will be carried out by faculty at Texas A&M International University. Students must successfully complete the intervention to be eligible to retake the TExES exam they failed.
Degrees

graduate Degrees
- Master of Arts in Teaching (MA) (p. 269)
- Master of Science in Bilingual Education (MS) (p. 270)
- Master of Science in Bilingual Education Non-Thesis (MS) (p. 270)
- Master of Science in Curriculum & Instruction (MS) (p. 271)
- Master of Science in Curriculum & Instruction Non-Thesis (MS) (p. 272)
- Master of Science in Educational Administration (MS) (p. 272)
- Master of Science in Educational Administration Non-Thesis (MS) (p. 273)
- Master of Science in School Counseling (MS) (p. 273)
- Master of Science in Special Education (MS) (p. 274)
- Master of Science in Special Education Non-Thesis (MS) (p. 275)

Teacher Certification program
- Alternative Teacher Certification Program (ACP) (p. 276)
- Alternative Teacher Certification Program (ACP) with Bilingual Emphasis (p. 276)

Professional Certificates
- Educational Diagnostics Professional Certificate
- Principal Professional Certificate (p. 277)
- Reading Specialist Professional Certificate (p. 277)
- Superintendent Professional Certificate

Master of Arts in Teaching (MA)
The Master of Arts in Teaching (MAT) degree is an initial teacher preparation and certification program. The degree is not designed for persons who already hold a teaching certificate. To be considered for admission to the MAT Certification program, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Select a concentration in either English Language Arts and Reading 7–12 or Social Studies 7–12.
4. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
5. Possess a baccalaureate degree from an accredited institution of higher education.
6. Minimum of 2.75 GPA in the last 60 SCH required.
7. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-Based Test (TOEFL iBT) of 24 for speaking, 22 for listening, 22 for reading, and 21 for or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf
8. Complete the College of Education application.
9. Submit the FERPA Form.
10. Submit the Code of Ethics Form.

Degree Plan

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<th>Semester Credit Hours</th>
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<tr>
<td>EDCI 5300</td>
<td>Intro to Teaching &amp; Learning</td>
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<td>EDCI 5301</td>
<td>Methods &amp; Mgt, EC-12</td>
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<td>EDSE 5305</td>
<td>Teach Diverse&amp;Exceptional Ln</td>
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<td>Teaching Engl as a Second Lang</td>
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<tr>
<td>EDCI 5693</td>
<td>Clinical Teaching</td>
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</table>

Select one Specialization Curriculum from the following: 18

Specialization English Language, Arts, & Reading 7-12
Methodology Requirement
- ENGL 5301 Teaching in Rhetoric & Comp

Literature Requirements
- Select one course from each of the following component areas:
  - English Literature to 1700
    - ENGL 5321 Studies in Medieval Literature
    - ENGL 5322 Studies in 16th Century Lit
    - ENGL 5323 Studies in 17th Century Lit
    - ENGL 5325 Chaucer
    - ENGL 5327 Shakespeare
    - ENGL 5328 Milton
  - English Literature from 1700 to Present
    - ENGL 5324 Mjr Thms Brit Lit 18th Ctry-Pr
  - American Literature to 1900
    - ENGL 5332 Studies in 19th Century Am Lit
  - American Literature from 1900 to Present
    - ENGL 5333 Studies in 20th Century Am Lit
  - English Elective
    - Select one 3sch 5000 level ENGL course

Specialization History 7-12
- EDRD 5305 Content Reading Instruction
- HIST 5301 Seminar in US History
- HIST 5310 Seminar in World History
- HIST 5360 Seminar in Border History
- PSCI 5303 American Political Institution
- SOCI 5301 Contemp Studies of Soc Probs

Total Semester Credit Hours 36
Master of Science in Bilingual Education (MS)

To be considered for admission to the Master of Science in Bilingual Education, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
4. Minimum 2.75 GPA in the last 60 SCH required.
5. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-Based Test (TOEFL iBT) of 79 or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as [link].
6. Complete the College of Education application if seeking certification.
7. Submit the FERPA Form if seeking certification.
8. Submit the Code of Ethics Form if seeking certification.

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<td>EDBE 5310</td>
<td>Hist&amp;Phil of Bil Education</td>
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<tr>
<td>EDBE 5322</td>
<td>Bil Oral Lang Assessment &amp; Dev</td>
<td>3</td>
</tr>
<tr>
<td>EDBE 5324</td>
<td>Bil/Multicult Teach Strategies</td>
<td>3</td>
</tr>
<tr>
<td>EDBE 5325</td>
<td>Teach Engl as a Second Lang</td>
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</tr>
<tr>
<td>EDBE 5326</td>
<td>Teach Read&amp;Lang Arts Bil Set</td>
<td>3</td>
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<td>EDBE 5390</td>
<td>Special Issues in Bil Ed</td>
<td>3</td>
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<tr>
<td>EDGR 5320</td>
<td>Foundatns of Ed Research</td>
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</tr>
<tr>
<td>EDGR 5330</td>
<td>Thesis</td>
<td>3</td>
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**Specialization**

Select 12 SCH from one of the following areas:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
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<tbody>
<tr>
<td>EDCI 5313</td>
<td>Foundations of Curriculum</td>
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<tr>
<td>EDCI 5316</td>
<td>Social&amp;Cultural Studies of Ed</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 5317</td>
<td>Evaluation of Curr&amp;Instr</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 5319</td>
<td>Adv Theories for Learning</td>
<td>3</td>
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</tbody>
</table>

Reading (online delivery) *

Select one course from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDRD 5303</td>
<td>Theoretical Models&amp;Proc Rdg</td>
<td>3</td>
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<tr>
<td>or EDRD 5309</td>
<td>Theory&amp;Prac of Early Rdg Dev</td>
<td>3</td>
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</tbody>
</table>

**Required courses:**

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<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>EDRD 5313</td>
<td>Design, Imp&amp;Eval of Rdg Prog</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 5319</td>
<td>Adv Diag Reading Difficulties</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 5321</td>
<td>Prac in Diagnosis&amp;Rem of Rdg</td>
<td>3</td>
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**Special Education**

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<tr>
<td>EDSE 5307</td>
<td>Evid-Based Prac for Stu w/Dis</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5309</td>
<td>Spe Ed Law&amp;Ethical Resp</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5311</td>
<td>Iss in Dis throughout Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5320</td>
<td>Measurement&amp;Evaluation</td>
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</table>

Total Semester Credit Hours 36

Master of Science in Bilingual Education Non-Thesis (MS)

To be considered for admission to the Master of Science in Bilingual Education, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
4. Minimum 2.75 GPA in the last 60 SCH required.
5. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-Based Test (TOEFL iBT) of 79 or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as [link].
6. Complete the College of Education application if seeking certification.
7. Submit the FERPA Form if seeking certification.
8. Submit the Code of Ethics Form if seeking certification.

Degree Plan

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<tr>
<td><strong>Major Curriculum</strong></td>
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<td>Bil/Multicult Teach Strategies</td>
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<td>EDBE 5325</td>
<td>Teach Engl as a Second Lang</td>
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<tr>
<td>EDBE 5326</td>
<td>Teach Read&amp;Lang Arts Bil Set</td>
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**Curriculum and Instruction**

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>EDCI 5313</td>
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<td>EDCI 5316</td>
<td>Social&amp;Cultural Studies of Ed</td>
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<tr>
<td>EDCI 5317</td>
<td>Evaluation of Curr&amp;Instr</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 5319</td>
<td>Adv Theories for Learning</td>
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**Educational Leadership**

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
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<td>EDLD 5311</td>
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<tr>
<td>EDLD 5312</td>
<td>Ldship Mod for Curcilm Leaders</td>
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<tr>
<td>EDLD 5314</td>
<td>Data Inf Dec Mak for Clm Lds</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5316</td>
<td>Characts of Effec Sch Leaders</td>
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Graduate Information

EDBE 5390  Special Issues in Bil Ed  3
EDGR 5320  Foundatns of Ed Research  3

Specialization
Select 15 SCH from one of the following areas:  15

Curriculum and Instruction
EDCI 5313  Foundations of Curriculum
EDCI 5317  Evaluation of Curr&Inst
EDCI 5316  Social&Cultural Studies of Ed
EDCI 5319  Adv Theories for Learning
EDCI 5321  Collegial Coaching&Mentoring

Educational Leadership
EDLD 5311  Ed Policy for Curriclm Leaders
EDLD 5312  Ldship Mod for Curriculum Leaders
EDLD 5314  Data Inf Dec Mak for Clm Lds
EDLD 5316  Characts of Effec Sch Leaders
EDLD 5318  Ethics & Sch Ref Innov Pbllm So

Reading (online delivery) *
Select one course from:
EDRD 5303  Theoretical Models&Proc Rdg
or EDRD 5309  Theory&Prac of Early Rdg Dev

Required courses:
EDRD 5313  Design, Imp&Eval of Rdg Prog
EDRD 5319  Adv Diag Reading Difficulties
EDRD 5321  Prac in Diagnosis&Rem of Rdg

Special Education
EDSE 5305  Teach Diverse&Exceptional Lrn
EDSE 5310  Survey of Mild Disabilities
EDSE 5315  Survey of Mod, Sev&Pro Dis
EDSE 5325  Clsm &Beh Mang Exptl Chld

Total Semester Credit Hours  36

* Required for the TExES 085 Master Reading Teacher Exam.

United States as listed http://ritter.tea.state.tx.us/sbcrules/tac/chapter230/19_0230_0011-1.pdf

Degree Plan

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<tr>
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Major Curriculum
EDCI 5313  Foundations of Curriculum  3
EDCI 5316  Social&Cultural Studies of Ed  3
EDCI 5317  Evaluation of Curr&Inst  3
EDCI 5319  Adv Theories for Learning  3
EDCI 5321  Collegial Coaching&Mentoring  3
EDGR 5320  Foundatns of Ed Research  3
EDGR 5330  Thesis  3

Specialization
Select 12 SCH at the graduate level in consultation with academic advisor from one of the areas listed below:  12

Bilingual Education (online delivery)
EDBE 5322  Bil Oral Lang Assessment & Dev
EDBE 5324  Bil/Multicult Teach Strategies
EDBE 5325  Teaching Engl as a Second Lang
EDBE 5326  Teach Read&Lang Arts Bil Set

Educational Leadership (online delivery)
EDLD 5311  Leading the Impl of Curriculum
EDLD 5312  Decision Making in Curriculum
EDLD 5314  Ldg the Assessm of Curriculum
EDLD 5316  Curriculum Dvlp for Cont. Impv

Reading (online delivery)
Select one course from:
EDRD 5303  Theoretical Models&Proc Rdg
or EDRD 5309  Theory&Prac of Early Rdg Dev
EDRD 5313  Design, Imp&Eval of Rdg Prog
EDRD 5319  Adv Diag Reading Difficulties
EDRD 5321  Prac in Diagnosis&Rem of Rdg

Special Education (online delivery)
EDSE 5305  Teach Diverse&Exceptional Lrn
EDSE 5310  Survey of Mild Disabilities
EDSE 5315  Survey of Mod, Sev&Pro Dis
EDSE 5325  Clsm &Beh Mang Exptl Chld

Educational Technology (Online Delivery)
EDIT 5300  Prin of Ins Design & Learn The
EDIT 5320  Inst Lead & Tech Integration
EDIT 5330  Teach Learn&Assessing Dig Age
EDIT 5350  Access, Equity&Assistive Tech

Total Semester Credit Hours  33

To be considered for admission to the Master of Science in Curriculum & Instruction, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
4. Minimum 2.75 GPA in the last 60 SCH required.
5. Submit verification of minimum scaled scores on the Test of English as a Foreign Language- Based Test (TOEFL iBT) of 79 or equivalent PTE Academic or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbcrules/tac/chapter230/19_0230_0011-1.pdf

Texas A&M International University 2021-2022 Catalog
Master of Science in Curriculum Instruction Non-Thesis (MS)

To be considered for admission to the Master of Science in Curriculum & Instruction, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
4. Minimum 2.75 GPA in the last 60 SCH required.
5. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-based Test (TOEFL iBT) of 79 or equivalent PTE Academic or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf

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<tr>
<td>EDRD 5324</td>
<td>Professional Preparation Sem</td>
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Special Education (online delivery)

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<tr>
<td>EDSE 5305</td>
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<td>Survey of Mod, Sev&amp;Pro Dis</td>
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Educational Technology (online delivery)

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<td>Inst Lead &amp; Tech Integration</td>
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<td>EDIT 5330</td>
<td>Teach Learn&amp;Assessing Dig Age</td>
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<td>EDIT 5340</td>
<td>Emerging Tech Mod &amp; Lear Env</td>
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<tr>
<td>EDIT 5350</td>
<td>Access, Equity&amp;Assistive Tech</td>
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</tbody>
</table>

Total Semester Credit Hours 33

1 Students interested in completing 18 hours in an academic field should consult their academic advisor. Additional three hours in academic field will replace EDGR 5320.

Master of Science in Educational Administration (MS)

To be considered for admission to Master of Science in Educational Administration program, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
4. Hold a bachelor’s degree from an accredited institution with a minimum undergraduate GPA of 3.0 in the last 60 SCH.
5. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-based Test (TOEFL iBT) of 79 or, if seeking certification, 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf
6. Complete the College of Education application if seeking certification.
7. Submit the FERPA Form if seeking certification.
8. Submit the Code of Ethics Form if seeking certification.
9. Possess Texas Teacher Certification (any field).
10. Possess two years of teaching experience if seeking certification.
11. Submit a copy of your teacher certification if seeking certification.
12. Submit a copy of your teacher service record (it can be obtained from your district Human Resources office) if seeking certification.
14. All Coursework must be completed within 5 years as per 19 TAC §228.35(a)(5)(B).

### Degree Plan

<table>
<thead>
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<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>EDAM 5301</td>
<td>School Administration</td>
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<tr>
<td>EDAM 5305</td>
<td>Organization &amp; Eval Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDAM 5319</td>
<td>Admin of School Facil &amp; Fin</td>
<td>3</td>
</tr>
<tr>
<td>or EDAM 5321</td>
<td>Leadership in Tech for Sch Adm</td>
<td>3</td>
</tr>
<tr>
<td>EDAM 5320</td>
<td>Principalship</td>
<td>3</td>
</tr>
<tr>
<td>EDAM 5322</td>
<td>Public School Law</td>
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<td>EDAM 5327</td>
<td>Adv Probs in Supervision</td>
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<td>EDAM 5335</td>
<td>Practicum in Sch Adm I</td>
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<tr>
<td>EDAM 5336</td>
<td>Practicum in Sch Adm II</td>
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<td>EDGR 5323</td>
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</tr>
<tr>
<td>EDGR 5330</td>
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### Master of Science in Educational Administration Non-Thesis (MS)

To be considered for admission to Master of Science in Educational Administration program, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
4. Hold a bachelor’s degree from an accredited institution with a minimum undergraduate GPA of 3.0 in the last 60 SCH.
5. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet- Based Test (TOEFL iBT) of 79 or, if seeking certification, 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf
6. Complete the College of Education application.
7. Submit the FERPA Form.
8. Submit the Code of Ethics Form.
9. Possess Texas Teacher Certification (any field).
10. Possess two years of teaching experience if seeking certification.
11. Submit a copy of your teacher certification.
12. Submit a copy of your teacher service record (it can be obtained from your district Human Resources office).
14. All Coursework must be completed within 5 years as per 19 TAC §228.35(a)(5)(B).

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<td>3</td>
</tr>
<tr>
<td><strong>Total Semester Credit Hours</strong></td>
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<td><strong>30</strong></td>
</tr>
</tbody>
</table>

### Master of Science in School Counseling (MS)

To be considered for admission to the Master of Science in School Counseling, the applicant must fulfill the following requirements:

1. Possess a valid Texas Teacher Certificate.
2. Possess a minimum of two years of teaching experience.
3. Possess GPA 3.0 (last 60 credit hours).
4. Submit an application for graduate studies by the due dates provided by the TAMIU Graduate School. Office of Graduate Studies & Research via applytexas.org.
5. Pay the application fee.
6. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
7. Submit verification of minimum scaled scores on the (a) Test of English as a Foreign Language internet- Based Test (TOEFL iBT) of 79 or, if seeking certification, 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or (b) International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf
8. Complete FERPA form.
10. Fill out College of Education application.
11. Submit Statement of Purpose: 700-word maximum.
12. Submit proof of service record.
13. Complete the Texas A&M International University College of Education Online Screening Survey.
14. All coursework must be completed within five years as required by the 19 Texas Administrative Code Section 228.35(a)(5)(B).

### Degree Plan

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<td>EDCU 5305</td>
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<td>School Counseling</td>
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<td>EDCU 5308</td>
<td>Career Dev&amp;Life Planning</td>
<td>3</td>
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<td>EDCU 5309</td>
<td>Social, Cultr, &amp; Fam Issues</td>
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<td>EDCU 5310</td>
<td>Human Growth&amp;Develop Lifespan</td>
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<td>Child&amp;Adoles Couns Tech</td>
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<td>EDCU 5314</td>
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<td>EDGR 5320</td>
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### Core Curriculum

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<td>EDSE 5309</td>
<td>Spe Ed Law&amp;Ethical Resp</td>
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<td>EDSE 5311</td>
<td>Iss in Dis throughout Lifespan</td>
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<td>EDSE 5320</td>
<td>Measurement&amp;Evaluation</td>
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<td>EDSE 5325</td>
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<td>EDGR 5330</td>
<td>Thesis</td>
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### Specialization

Select 12 SCH from one of the following areas:

- **Applied Behaviour Analysis**
  - EDSE 5360: Essential Behavior Principles
  - EDSE 5361: Analytic Tech App Beh Analysis
  - EDSE 5362: Research&App Beh Analysis
  - EDSE 5363: Ethical, Legal&Prof Iss

- **Autism Spectrum Disorder Interventions**
  - EDSE 5370: Intro Evid Inter Autism
  - EDSE 5371: Teach Positive Beh Sup Autism
  - EDSE 5372: Intervention Prog Mod Autism
  - EDSE 5373: Iss Ed Behav Treat Autism

- **Bilingual Education (online delivery)**
  - EDBE 5322: Bil Oral Lang Assessment & Dev
  - EDBE 5324: Bil/Multicult Teach Strategies
  - EDBE 5325: Teaching Engl as a Second Lang
  - EDBE 5326: Teach Read&Lang Arts Bil Set

- **Curriculum and Instruction (online delivery)**
  - EDCI 5313: Foundations of Curriculum
  - EDCI 5316: Social&Cultural Studies of Ed
  - EDCI 5319: Adv Theories for Learning
  - EDCI 5321: Collegial Coaching&Mentoring

- **Educational Leadership**
  - ELDL 5311: Ed Policy for Currcilm Leaders
  - ELDL 5312: Ldship Mod for Currclm Leaders
  - ELDL 5314: Data Inf Dec Mak for Clm Lds

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**Master of Science in Special Education (MS)**

To be considered for admission to the Master of Special Education program, the applicant must fulfill the following requirements:

1. Submit an application for graduate studies by the due dates provided by the TAMU Graduate School. Deadlines may be found at www.tamu.edu/gradschool/
2. Hold a bachelor's degree from an accredited institution with a minimum undergraduate GPA of 2.75 in the last 60 SCH.
3. Pay the application fee.
4. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMU do not need to be submitted.
5. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet- Based Test (TOEFL iBT) of 79 or, if seeking certification, 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/ chapter230/19_0230_0011-1.pdf
6. Complete the College of Education application if seeking certification.
7. Submit the FERPA Form if seeking certification.
8. Submit the Code of Ethics Form if seeking certification.
Master of Science in Special Education Non-Thesis (MS)

To be considered for admission to the Master of Special Education program, the applicant must fulfill the following requirements:

1. Submit an application for graduate studies by the due dates provided by the TAMIU Graduate School. Deadlines may be found at www.tamiu.edu/gradschool/.
2. Hold a bachelor's degree from an accredited institution with a minimum undergraduate GPA of 2.75 in the last 60 SCH.
3. Pay the application fee.
4. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
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6. Complete the College of Education application if seeking certification.
7. Submit the FERPA Form if seeking certification.
8. Submit the Code of Ethics Form if seeking certification.

Degree Plan

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<td>EDSE 5307</td>
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</tr>
<tr>
<td>EDSE 5309</td>
<td>Spe Ed Law&amp;Ethical Resp</td>
<td>3</td>
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Core Curriculum

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<td>Characts of Effec Sch Leaders</td>
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<tr>
<td>EDSE 5330</td>
<td>Acad Achievement Assessment</td>
<td></td>
</tr>
<tr>
<td>EDSE 5340</td>
<td>Psychometrics</td>
<td></td>
</tr>
<tr>
<td>EDSE 5345</td>
<td>Pract Educational Diagnostics</td>
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</tr>
<tr>
<td>EDSE 5350</td>
<td>Assessment for Diag&amp;Inter</td>
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Reading (online delivery) *

Select one course from:

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<tr>
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<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>EDRD 5303</td>
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<td>or EDRD 5309</td>
<td>Theory&amp;Prac of Early Rdg Dev</td>
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Required courses:

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<td>EDRD 5319</td>
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<td>EDRD 5321</td>
<td>Prac in Diagnosis&amp;Rem of Rdg</td>
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Total Semester Credit Hours 36

** Specialization **

Select 12 SCH from one of the following areas: 12

Applied Behaviour Analysis

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<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>EDSE 5360</td>
<td>Essential Behavior Principles</td>
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<td>Analytic Tech App Beh Analysis</td>
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<tr>
<td>EDSE 5363</td>
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Autism Spectrum Disorder Interventions

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<tr>
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<td>EDSE 5370</td>
<td>Intro Evid Inter Autism</td>
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<tr>
<td>EDSE 5371</td>
<td>Teach Positive Beh Sup Autism</td>
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<tr>
<td>EDSE 5373</td>
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Bilingual Education (online delivery)

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>EDBE 5322</td>
<td>Bil Oral Lang Assessment &amp; Dev</td>
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<td>Bil/Multicult Teach Strategies</td>
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<td>EDBE 5326</td>
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Curriculum and Instruction (online delivery)

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<td>EDCI 5316</td>
<td>Social&amp;Cultural Studies of Ed</td>
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<td>Adv Theories for Learning</td>
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<td>EDCI 5321</td>
<td>Collegial Coaching&amp;Mentoring</td>
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Educational Leadership

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Education Diagnostics

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Reading (online delivery) *

Select one course from:

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<td>EDRD 5321</td>
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Total Semester Credit Hours 36
Alternative Teacher Certification Program (ACP)

To be considered for admission to the Alternative Teacher Certification program, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Submit Pre-Admission Content Test (PACT) scores.
4. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMIU do not need to be submitted.
5. Possess a baccalaureate degree from an accredited institution of higher education.
6. Minimum of 2.75 GPA in the last 60 SCH required.
7. Be eligible to work under an intern certificate.
8. Must not be currently enrolled in another certification program.
9. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-Based Test (TOEFL iBT) of 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf.
10. Complete the College of Education application.
11. Submit the FERPA Form.
12. Submit the Code of Ethics Form.

Coursework

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<td>Methods &amp; Mgt, EC-12</td>
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<tr>
<td>EDCI 5340</td>
<td>Measurement &amp; Assess in Ed</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5305</td>
<td>Teach Diverse&amp;Exceptional Lrn</td>
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<tr>
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<td>Design, Imp&amp;Eval of Rdg Prog</td>
<td>3</td>
</tr>
<tr>
<td>EDIT 5330</td>
<td>Teach Learn&amp;Assessing Dig Age</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 18

Educational Diagnostics Professional Certificate

To be considered for admission to the Educational Diagnostics Professional Certificate, the applicant must fulfill the following requirements:

1. Possess a master's degree in a related field.
2. Possess a valid Texas Teacher Certificate.
3. Possess a minimum of three years of teaching experience.
4. Submit a full transcript of all coursework for course equivalency consideration.
5. Submit an application for graduate studies by the due dates provided by the Office of Graduate Studies & Research.
6. Pay application fee.
7. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMU do not need to be submitted.
8. Submit verification of minimum scaled scores on the (a) Test of English as a Foreign Language internet-Based Test (TOEFL iBT) of 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or (b) International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf
9. Complete the College of Education application if seeking certification.
10. Submit the FERPA Form if seeking certification.
11. Submit the Code of Ethics Form if seeking certification.

## Coursework

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSE 5307</td>
<td>Evid-Based Prac for Stu w/Dis</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5309</td>
<td>Spe Ed Law &amp; Ethical Resp</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5311</td>
<td>Iss in Dis throughout Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5320</td>
<td>Measurement &amp; Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5330</td>
<td>Acad Achievement Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5340</td>
<td>Psychometrics</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5345</td>
<td>Pract Educational Diagnostics</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 5350</td>
<td>Assessment for Diag &amp; Inter</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 24

1. Candidates may transfer in 6 hours of Academic Credit from approved graduate programs.
2. Additional coursework may be required after review of previous course work.

## Principal Professional Certificate

To be considered for admission to the Standard Principal Certification program, the applicant must fulfill the following requirements:

1. Submit an online application via applytexas.org to the TAMIU Graduate School.
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMU do not need to be submitted.
4. Hold a master's degree from an accredited institution with a minimum undergraduate GPA of 3.0 in the last 60 SCH.
5. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-Based Test (TOEFL iBT) of 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf
6. Submit two (2) Professional Letters & one (1) Academic Letter.

## Reading Specialist Professional Certificate

To be considered for admission to the Reading Specialist Professional Certificate, the applicant must fulfill the following requirements:

1. Submit an application for graduate studies by the due dates provided by the TAMIU Graduate School. Deadlines may be found at www.tamiu.edu/gradschool/
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMU do not need to be submitted.
4. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-Based Test (TOEFL iBT) of 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf
5. A minimum undergraduate GPA of 3.00 (students with a 2.5-2.9 GPA may be considered based on a required interview).
7. Complete an Essay on the Literacy Topic provided.
8. Complete the College of Education application.
9. Submit the FERPA Form.
10. Submit the Code of Ethics Form.

### Coursework

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDRD 5303</td>
<td>Theoretical Models &amp; Proc Rdg</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 5305</td>
<td>Content Reading Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 5309</td>
<td>Theory &amp; Prac of Early Rdg Dev</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 5313</td>
<td>Design, Imp &amp; Eval of Rdg Prog</td>
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<tr>
<td>EDRD 5319</td>
<td>Adv Diag Reading Difficulties</td>
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<tr>
<td>EDRD 5321</td>
<td>Prac in Diagnosis &amp; Rem of Rdg</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 5323</td>
<td>Individualized Instr in Rdg</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 5324</td>
<td>Professional Preparation Sem</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:

- EDBE 5324 Bill/Multicult Teach Strategies
- EDDP 5327 Ed Div Pops: Teach Div Stud
- SOCI 5301 Contemp Studies of Soc Pros
- SOCI 5309 Immigration & Biculturalism

Total Semester Credit Hours 27

### Superintendent Professional Certificate

To be considered for admission to the Superintendent Certification program, the applicant must fulfill the following requirements:

1. Submit an online application via [applytexas.org](http://applytexas.org) to the TAMU Graduate School.
2. Pay the application fee.
3. Submit official transcripts from all colleges/universities attended. Official transcripts from TAMU do not need to be submitted.
4. Hold a master's degree from an accredited institution with a minimum undergraduate GPA of 3.0 in the last 60 SCH.
5. Possess Texas Principal Certification.
6. Possess Texas Teacher Certification (any field).
7. Possess five years of teaching experience.
8. Submit verification of minimum scaled scores on the Test of English as a Foreign Language internet-based Test (TOEFL iBT) of 24 for speaking, 22 for listening, 22 for reading, and 21 for writing or International English Language Testing System (IELTS) to evidence English language proficiency if your undergraduate or graduate degree was not earned at an accredited institution of higher education in the United States or at an institution of higher education in a country outside of the United States as listed [here](http://ritter.tea.state.tx.us/sbecrules/tac/chapter230/19_0230_0011-1.pdf)

### Coursework

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>EDAM 5352</td>
<td>Public School Business Affairs</td>
<td>3</td>
</tr>
<tr>
<td>EDAM 5354</td>
<td>School Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>EDAM 5356</td>
<td>Ed Assessment, Res &amp; Pract</td>
<td>3</td>
</tr>
<tr>
<td>EDAM 5360</td>
<td>The Superintendency</td>
<td>3</td>
</tr>
<tr>
<td>EDAM 5365</td>
<td>Superintendent Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 15

### Dr. F.M. Canseco School of Nursing

#### Accreditation

The graduate programs in the Dr. F. M. Canseco School of Nursing in the College of Nursing and Health Sciences are accredited by:

Accreditation Commission for Nursing Education
3343 Peachtree Road NE, Suite 850
Atlanta, GA 30326
Phone: 404.975.5000
Fax: 404.975.5020
www.acenursing.org

#### Mission

The mission of the Dr. F. M. Canseco School of Nursing is to prepare professional nurses to improve the well-being of complex and diverse populations. Congruent to this mission, the mission of the MSN Program is to educate advance practice nurse leaders who; through research, policy, and practice will promote health and well-being of local, national and international communities so that all people can thrive.

#### Program Outcomes

Upon completion of the MSN program, graduates will:

- Critically analyze, interpret and utilize appropriate knowledge, research and theories to meet the health care needs of diverse client populations across the lifespan.
- Collaboratively plan the delivery of culturally sensitive health care with organizations and the community.
- Contribute to the advancement of nursing profession through evidenced-based research and practice.
- Synthesize the leadership management, negotiating, teaching/coaching and consulting roles to foster continual improvement in order to meet changing societal and environmental needs.
• Operationalize ethical, legal, political, and economic principles in application to management of healthcare delivery across the lifespan.
• Advocate for advanced nursing practice through a commitment to lifelong learning and community service.

Curriculum
The curriculum includes coursework required by the Texas Board of Nursing (TBON) and professional accrediting organizations. This coursework is competency bases for both the FNP and NADM programs. Core competencies utilized for the Family Nurse Practitioner program have been developed by The National Organization of Nurse Practitioner Faculties (NONPF). Competencies for the NADM program have been developed by the American Organization of Nurse Executives (AONE). The AONE competencies and the American Nurses Association (ABA) Nursing Administration: Scope and Standards of Practice, are the foundation for the NADM program. Both organizations, NONPF and AONE, provide certification examinations for practice in the chosen role. The TBON defines Advanced Practice Nurse (APNs) as: "registered nurses who hold authorization from the board to practice as advanced practice nurses based on completing an advanced educational program acceptable to the Board. The term includes a nurse practitioner, nurse-midwife, nurse anesthetist, and a clinical nurse specialist. The advanced practice nurse is prepared to practice in an expanded role to provide health care to individuals, families, and/or groups in a variety of settings including but not limited to hospitals, homes, communities, institutions, offices, industry, schools, community agencies, public and private clinics, and private practice. The advanced practice nurse acts independently and/or in collaboration with other health care professionals in the delivery of health care services.” (http://www.bne.state.tx.us/default.htm)

The NADM role definition and program competencies are derived from The AONE Nurse Executive Competencies: Communication Knowledge, Leadership, Professionalism Business Skills (AONE, 2005). The role of the nurse administrator is one of leadership; both the nurse executive and nurse manager(s) are leaders who promote shared governance, leverage those who s/he supervises, identify the consumer services as the focus of nursing services, identify budgeting and finance as integral to nursing services, and innovate to accomplish organizational goals while promoting quality and safety.

ANA defines (broadly) the nurse administrator as a registered nurse who orchestrates and influences the work of others in a defined environment to enhance the shared vision of an organization or institution. The nurse administrator role varies in and among institutions. Common themes that permeate all roles include advocacy, leadership, mentorship, shared vision, knowledge of business practices and processes, high quality and safe care, positive outcomes, and dedication to the profession (ANA, 2011).

General Requirements
Graduate Academic Regulations

Admission Requirements
To be considered for admission, applicants must meet both the general requirements of the University’s Graduate School and the specific requirements set by the College of Nursing and Health Sciences, Dr. F. M. Canseco School of Nursing.

Registered nurses who have graduated from a nationally accredited BSN program may pursue graduate education at TAMIU. The advancement of the profession of nursing requires a commitment to continuing education and lifelong learning. Students obtaining a MSN from TAMU will provide the South Texas region with nurses with the advanced knowledge and competencies to improve health outcomes for citizens of the region.

1. To be considered for admission, the applicant must meet both the general requirements for the University’s Graduate School and the specific requirements set by the Dr. F. M. Canseco School of Nursing in the College of Nursing and Health Sciences.
   a. Apply to the Graduate School by February 1st for Fall admission, Summer I and Summer II admission. Spring semester deadline for application is October 1.
   b. Comply with all requirements identified under the Graduate Admission Requirements as defined in the catalog for the year of admission.
   c. Registered Nurses seeking admission to the Master of Science in Nursing (MSN) program must complete the online at Apply Texas. Admission to the University does not automatically guarantee admission to the School of Nursing. In addition to completing all requirements for general admission to the University, the student must submit/complete the following information to Dr. F. M. Canseco School of Nursing in the College of Nursing and Health Sciences:
      i. A valid unencumbered RN license without restrictions in the State of Texas.
      ii. Evidence of a minimum of one (1) year of work experience as a Registered Nurse with at least one year of inpatient nursing experience.
      iii. Evidence of a baccalaureate nursing degree from a nationally accredited college or university.
      iv. Evidence of successful completion of an undergraduate statistics course.
      v. Official transcripts identifying a minimum grade point average of 2.70 or better (on a 4.0 scale) for all college work and a 3.00 in all upper division courses.
      vi. A personal interview may be required during the application process.
      vii. Three academic and professional references indicating achievement and motivation for graduate study.
      viii. Required immunizations and criminal and drug screening data must be submitted separately to the College of Nursing and Health Sciences.
      ix. Verification of drug and criminal background screening by a designated company or agency at student expense.

2. Provisional Admission Requirements: If the requirements for full admission are not met, provisional admission may be available. The Admissions and Progression Committee of the School of Nursing will review any application for provisional admission. Students admitted provisionally are required to maintain a GPA 3.0 during the first 12 semester credit hours enrolled in the FNP program.

3. Non-degree Seeking Student Enrollment: Any student seeking admission, as a non-degree seeking student must obtain permission from the Director for Graduate programs, the Dean and Graduate Council. Enrollment is limited to no more than 12 credits and subject to approval and space in the courses.
4. Leave of Absence: A student may petition for a leave of absence at any time. The student must petition the CNHS Admission & Progression committee for approval. If the petition is granted, the registration requirement will be set aside during the period of the leave. The requirement to complete the degree within five years remains and begins at the first semester admitted as a degree seeking student.

5. Credit for Prior Learning Policy (University Catalog): Dr. F. M. Canseco School of Nursing and College of Nursing and Health Sciences accept transfer credits from other universities according to the policy of Texas A&M International University.

Procedure for Accepting Transfer Credits
Twelve (12) hours of graduate level study with a minimum grade of 3.0(B) on a 4.0 scale may be transferred from accredited institutions of higher education. Evaluation of the transferring credits identifies they are equivalent to the course they are replacing. Approval is obtained from the Admission and Progression Committee and the Dean of CNHS.

Academic Progression
Students must meet the standards for minimal performance and progression established by Texas A&M International University and the College of Nursing and Health Sciences.

![Graduate Information](image)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>F</td>
<td>Below 70</td>
</tr>
</tbody>
</table>

Graduates must maintain a GPA of B or above to progress and graduate from a master's program in the CNHS. Students must pass both clinical and theory components of a course to pass that course. A master's student in the CNHS may receive no more than two C's during the course of graduate study.

Procedures for students when GPA falls below 3.0, 2 Cs are earned during the course of study, F, W, I grade are earned, or unprofessional conduct is evidenced.

- Students must repeat a course in which they earn an F and will be placed on academic probation if their GPA falls below 3.0
- Students must repeat any course in which they earn C or lower and will be placed on academic probation if their GPA falls below 3.0. For courses, wherein practicum and didactic are separate, students will have to repeat ONLY the course in which they were not successful.
- Academic probation status will be removed in accordance with University policy.
- Students earning a grade of C may not progress to courses for which that course is a prerequisite until the course is repeated and a grade of B is achieved. No course can be repeated more than once.
- Students who earn a third C or below in the program will be dismissed from the program.
- Readmission is competitive and based upon availability of space in the program. Students must meet the standards for minimal performance and progression established by Texas A&M International University

Probation

A student is placed on probation if she/he does not maintain a minimum cumulative grade point average of 3.00. The final grade report will carry official notice of academic probation. A GPA must be returned to a minimum of 3.00 to remove probationary status. Students who fail to attain a 3.00 cumulative grade point average for two full time consecutive semesters will be suspended from the Dr. F. M. Canseco School of Nursing.

Suspension, Dismissal, and Expulsion
In the event a graduate student becomes scholastically deficient, he or she may be subject to one of the following actions:

- Suspension: separation of the student from the program for a definite period of time. The student is not guaranteed readmission at the end of this period of time. The student is guaranteed a review of the case and a decision regarding eligibility for readmission.
- Dismissal: separation of the student from the program for an indefinite period of time. Readmission to the program may be possible in the future, but no specific time for a decision is established
- Expulsion: Permanent separation of the student from the program for Scholastic Deficiency. The student is not eligible for readmission to the university. Expulsion can occur following a ruling by the Graduate Appeals Panel that does not support the student's appeal.

The recommendation to suspend, dismiss or expel the student because of scholastic deficiency must be made in writing to the Dean of the Graduate School by the Dean of the College of Nursing and Health Sciences. These procedures emphasize support for the University procedures and extend beyond those of the University given the ethical issues surrounding nursing practice.

1. Students who fail to attain a 3.00 cumulative grade point average for two full-time consecutive semesters will be dismissed from the School of Nursing.
2. Students may also be dismissed from graduate studies for any of the following reasons:
   a. Academic misconduct such as any act of dishonesty involving academic work
   b. Unsafe clinical practice
   c. Falsification of credentials
   d. Conduct unbecoming to a student as described in the University Student Conduct Code

Expulsion for Unprofessional/Unsafe Conduct

Administration and faculty reserve the right to dismiss students without previous warning for unsafe and/or unprofessional behavior. The conduct of nursing students should meet ethical standards as defined by the American Nurses Association (ANA) in Code for Nurses. The Dr. F. M. Canseco School of Nursing and the College of Nursing and Health Sciences faculty reserve the right to dismiss students from the program for unprofessional or unsafe behavior.

1. Individual (faculty, preceptor, peer) witnessing the unsafe or unprofessional behavior by a student will report that behavior to the appropriate person (ie., peer evidencing behavior to faculty advisor, preceptor to clinical faculty, etc.).
2. The unprofessional conduct will be reported to the CNHS Admission and Progression Committee through the CNHS Office of the Dean.
3. The student will be contacted related to the event by the CNHS Admissions and Progression Committee Chair.
4. The student has the option of submitting a written rebuttal statement to the CNHS Admission and Progression Committee through the CNHS Office of the Dean.

The committee meets to discuss the event and makes a recommendation to the Dean for continuation without reprimand, continuation with a reprimand, removal from the program permanently or for a period set by the committee. The Dean of the CNHS may approve or disapprove the recommendation of the committee. The Dean of the CNHS notifies the Dean of Graduate Studies and Research of the outcome.

Repetition of a Course
A course in which the final grade is C may be repeated for a higher grade. A graduate student may retake a maximum of two courses during graduate study at the University. The student may repeat each course only once. Only the final grade received for the course will be computed in the grade point average although the initial grade will remain on the transcript.

Additional Master’s Degree Policy
Students shall not be permitted to apply the same course credit to more than one master’s degree except in the Master of Science in Nursing-Family Nurse Practitioner program. Students pursuing the Master of Science in Nursing-Family Nurse Practitioner as an additional master’s degree may obtain the degree upon successful completion of the major curriculum and substituting hours attained in the Master of Science in Nursing – Nursing Administration for twelve hours of required coursework.

Master of Science in Nursing - Family Nurse Practitioner
Major Curriculum - Nursing

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 5320</td>
<td>Theo Influ,Prac,Rsrch&amp;Adv Role</td>
<td>3</td>
</tr>
<tr>
<td>NURS 5321</td>
<td>Research Methods&amp;Stat Analysis</td>
<td>3</td>
</tr>
<tr>
<td>NURS 5322</td>
<td>Healthcare Informatics</td>
<td>3</td>
</tr>
<tr>
<td>NURS 5323</td>
<td>Healthcare Policy&amp;Social Just</td>
<td>3</td>
</tr>
<tr>
<td>NURS 5320</td>
<td>Advanced Pathophysiology I</td>
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</tr>
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<td>NURS 5321</td>
<td>Advanced Pathophysiology II</td>
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</tr>
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<td>NURS 5322</td>
<td>Advanced Pharmacology I</td>
<td>2</td>
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<td>NURS 5323</td>
<td>Advanced Pharmacology II</td>
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</tr>
<tr>
<td>NURS 5330</td>
<td>Adv Health Assessment Theory</td>
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<tr>
<td>NURS 5332</td>
<td>Prim Care Adults,Geriatric&amp;Fam</td>
<td>3</td>
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<tr>
<td>NURS 5335</td>
<td>Primary Care of Peds&amp;Families</td>
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</tr>
<tr>
<td>NURS 5337</td>
<td>Prim Care Adult&amp;Women’s Health</td>
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<table>
<thead>
<tr>
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<td>NURS 5331</td>
<td>Adv Health Assessment Pract</td>
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<td>NURS 5333</td>
<td>Prim Care Adult,Gertrc&amp;Fam Pra</td>
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<tr>
<td>NURS 5334</td>
<td>Diag Reason &amp; Clin Proced</td>
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<tr>
<td>NURS 5336</td>
<td>Prim Care of Ped &amp; Fam Prac</td>
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<tr>
<td>NURS 5430</td>
<td>Intergrated Family Practicum</td>
<td>4</td>
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</table>

Total Semester Credit Hours: 48

Master of Science in Nursing - Nursing Administration
Major Curriculum - Nursing Administration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<td>Research Methods&amp;Stat Analysis</td>
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<td>NURS 5340</td>
<td>Organizational Behavior</td>
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<td>NURS 5341</td>
<td>Transformational Leadership</td>
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<td>Finance for the Nurse Exec</td>
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<td>NURS 5322</td>
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<tr>
<td>NURS 5440</td>
<td>Nurse Exec Integ Ldship Pract</td>
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</tr>
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Total Semester Credit Hours: 31

Texas A&M International University 2021-2022 Catalog
COURSE DESCRIPTIONS

A
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• Applied Music (MUAP) (p. 286)
• Arabic (ARAB) (p. 287)
• Art (ARTS) (p. 287)
• Astronomy (ASTR) (p. 289)

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• Business Administration (BA) (p. 297)

C
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• Co-requisite Developmental Mathematics (CMAT) (p. 301)
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• Curriculum & Instruction (EDCI) (p. 324)

D
• Dance (DANC) (p. 327)
• Decision Science (DS) (p. 329)
• Developmental Mathematics (DMAT) (p. 330)
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E
• Early Childhood Education (EDEC) (p. 330)
• Earth and Physical Science (EPSC) (p. 331)
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• Family Nurse Practitioner (NFNP) (p. 348)
• Finance (FIN) (p. 349)
• French (FREN) (p. 351)

G
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### Accelerated Developmental Mathematics (AMAT)

**AMAT 0400 Accelerated Beg & Int Algebra**
This course focuses on a basic review of mathematical skills, including real numbers, geometry, linear equations, elementary algebra, mathematical reasoning, functions, graphs, linear inequalities, polynomials, rational expressions and equations and system of equations, while providing the necessary academic support. Students completing course successfully will earn University credit but not credit toward graduation.

Prerequisites: TSI placement or recommendation of TSI academic advisor.

### Accounting (ACC)

**ACC 2301 Intro to Financial Accounting**
This course provides an introduction to the accounting cycle, the major financial statements (financial position, income, cash flows), valuation of assets and liabilities, and income determination.

TCCN: ACCT 2301

**ACC 2302 Intro to Managerial Accounting**
This course provides an introduction to the use of accounting data for decision-making including determining the cost of inventories, cost-volume-profit analysis, performance evaluation, and both operating and capital budgeting.

Prerequisites: ACC 2301 with a grade of "C" or better.

TCCN: ACCT 2302

**ACC 3310 Intermediate Accounting I**
Focuses on introductory topics in financial accounting covering recognition and measurement of accrual-based financial statements, including current assets and revenue recognition.

Prerequisites: ACC 2302 with a grade of "C" or better.

**ACC 3320 Intermediate Accounting II**
Focusses on intermediate topics in financial accounting covering recognition and measurement of accrual-based financial statements, including liabilities and non-current assets.

Prerequisites: ACC 3310 with a grade of "C" or better.

**ACC 3330 Intermediate Accounting III**
Focusses on advanced topics in financial accounting covering recognition and measurement of accrual-based financial statements, including non-current liabilities and the statement of cash flows.

Prerequisites: ACC 3320 with a grade of "C" or better.

**ACC 3340 Advanced Managerial Accounting**
A study of the standard accounting procedures used in manufacturing firms and uses of accounting data by management in organizations. Emphasis is on problem solving, using accounting data.

Prerequisites: ACC 2302 with a grade of "C" or better.

**ACC 3350 Federal Taxation**
This course provides an introduction to Federal taxation. The topics include basic personal taxation and simple corporate taxation with a survey of pass-through entities.

Prerequisites: ACC 3320 with a grade of "C" or better or permission of instructor.

**ACC 3360 Oil and Gas Accounting I**
This course is an introduction to oil and gas accounting for upstream operations related to exploration and development of oil and gas. The topics cover accounting principles and procedures for exploration, acquisition, drilling, development and production costs in different phases when searching for a producing oil and gas. The course introduces a brief history of the U.S. oil and gas industry, origin of oil and gas, exploration methods and procedures, acquisition of mineral interest, drilling operations, production and sales of oil and gas.

Prerequisites: ACC 3310 with a grade of "C" or better.

**ACC 3370 Introduction to Accounting Sys**
This course provides a detailed study of the development of accounting information as supported by computer and electronic systems. It is the first of a two course sequence required of accounting majors.

Prerequisites: ACC 2302 with a grade of "C" or better.
ACC 4340 Acc for Govt & Non-Profit Ent
This course provides focused study of accounting for government and "no-profit" entities with particular emphasis on issues confronting municipalities, single audits, and compliance with grantor or similar requirements.
Prerequisites: ACC 2302 with a grade of "C" or better or permission of instructor.

ACC 4360 Oil and Gas Accounting II
This course is the second part to introduction to Oil and Gas Accounting for upstream operations in exploration and development of oil and gas. The course covers accounting for production activities, asset retirement obligations, and asset impairment, revenue from oil and gas sales, basic oil and gas tax accounting, joint interest accounting, conveyances, and oil and gas disclosures.
Prerequisites: BA 3330 and ACC 3360 with a grade of "C" or better.

ACC 4370 Auditing and Systems
This course covers topics in financial auditing, internal controls, and advanced accounting systems design. This course and must be taken during the final 12 semester hours of the degree program.
Prerequisites: ACC 3320 and ACC 3370, both with a grade of "C" or better.

ACC 4375 Forensic Accounting
The purpose of this course is to provide an introduction to the field of forensic accounting, with emphasis on the detection and investigation of fraud. Topics include the nature of fraud, various types of fraud, actual fraud schemes, indicators of fraud, confirmation of fraud, investigative techniques used to prove fraud, and the use of internal controls to prevent fraud within an organization.
Prerequisites: ACC 2301 & ACC 2302, MIS 3310, FIN 3310, and MGT 3310, all with a grade of "C" or better.

ACC 4380 Oil & Gas Acc Colloquium
This course is designed to further professional development with classroom instruction. Various cases will be provided for students to apply oil and gas accounting in a real life setting. Guest speakers will be invited to discuss oil and gas accounting from practitioners’ point of view and answer related questions students may have. Guest speakers also present students a chance for students to network and pursue opportunities for internships and full-time positions. Focused on the application side of oil and gas accounting, this course is to further prepare students for a career in accounting and other related fields of the oil and gas industry. In this course, students will be able to apply their knowledge of the oil and gas industry and oil and gas accounting to analyze current issues ad solve real problems.
Prerequisites: BA 3330 and ACC 3360 with a grade of "C" or better.

ACC 4398 Accounting Internship
A directed internship in a public accounting firm or equivalent organization to provide accounting students with a learning experience supervised by a professional in an organizational setting appropriate to the student’s career objectives. Student must comply with the requirements established by the Texas State Board of Public Accountancy. May be taken one time.
Prerequisites: Must have completed at least 75 semester credit hours with at least an overall grade point average of 2.5 with more than a 3.0 GPA in accounting courses and obtain the approval of the Department Chair.

ACC 4399 Issues in Accounting
This course examines current topics of interest in accountancy. May be repeated once when topic changes.
Prerequisites: Junior standing.

ACC 5199 Special Issues in Accounting
This course examines current topics of interest in accountancy. May be repeated once when topic changes.
Prerequisites: Permission of instructor.

ACC 5299 Special Issues in Accounting
This course examines current topics of interest in accountancy. May be repeated once when topic changes.
Prerequisites: Permission of instructor.

ACC 5310 Financial Statement Analysis
An intensive study of financial statement analysis. Topics covered include: study of the basic accounting concepts and principles related to financial statement analysis; liquidity, solvency, and profitability analyses; sources of financial analysis information; personal financial statements.

ACC 5315 Advanced Accounting
This course provides an intensive study of advanced financial accounting topics including business combinations and dissolutions, partnership formation and dissolution, and current topics in estates and trusts.
Prerequisites: ACC 3330 with a grade of "C" or better.

ACC 5325 Sem in Managerial Accounting
An in-depth study of the theories and concepts upon which managerial accounting is based, including foundations in accounting, organizational behavior and the decision sciences. Emphasis upon understanding how accounting, behavioral, and decision theories are combined to form the basis for an effective managerial accounting system within the context of the business entity. Topics covered include activity-based costing, cost allocation methodology, use of cost pools, two-stage cost assignment, capacity issues, and target costing.
Prerequisites: ACC 3340 with a grade of "C" or better.

ACC 5330 Advanced Taxation
This course covers topics in corporate taxation, partnership issues, estate planning, taxation of foreign operations, and other current issues.
Prerequisites: ACC 3350 with a grade of "C" or better.

ACC 5344 Sem in Ethics for Accountants
This course provides an intensive study of the emerging issues in ethics including rules of conduct promulgated by the Securities and Exchange Commission, the Oversight Board, the American Institute of Certified Public Accountants and the Texas State Board of Public Accountancy.
Prerequisites: ACC 3350 with a grade of "C" or better.

ACC 5350 Accounting Theory
This course is a study of contemporary accounting theory, emerging issues, and auditing practices. There is a significant research requirement using both electronically stored and printed materials.
Prerequisites: ACC 3330 with a grade of "C" or better.

ACC 5351 Multi-jurisdictional Taxation
This course covers all forms of taxation below Federal income taxation including State income tax, sales tax, franchise tax, and other local taxation. Particular emphasis is given to new taxes and emerging state and regional taxation issues. (Formerly ACC 3351)
Prerequisites: ACC 5330.
ACC 5355 International Taxation
The purpose of this course is to provide an in-depth study of the tax problems incurred by individuals and corporations investing and operating business across national boundaries.
Prerequisites: ACC 5320 or ACC 5330.

ACC 5370 Seminar in Auditing
The purpose of this course is to provide an intensive study of the audit process including comparisons of international standards, governing bodies, and rules of conduct.
Prerequisites: ACC 4370 with a grade of "C" or better or equivalent

ACC 5375 Forensic Accounting
The purpose of this course is to provide an introduction to the field of forensic accounting, with emphasis on the detection and investigation of fraud. Topics include the nature of fraud, various types of fraud, actual fraud schemes, indicators of fraud, confirmation of fraud, investigative techniques used to prove fraud, and the use of internal controls to prevent fraud within an organization.
Prerequisites: Permission of the instructor

ACC 5392 Advanced Accounting Research
This case based course will use both electronic and printed materials to provide an intensive study of advanced research techniques. Cases in both auditing and financial, tax, not-for-profit and managerial accounting will be used. The student must analyze problems, search for authoritative answers, and present the results in a professional manner.
Prerequisites: ACC 3330 with a C or better, ACC 5325, ACC 5330, ACC 5315 (or concurrent enrollment), and ACC 5370 (or concurrent enrollment).

ACC 5398 Accounting Internship
This is a directed internship in a public accounting firm or equivalent organization which will provide accounting students with a learning experience supervised by professionals in an organizational setting appropriate to the student's career objectives. Student must comply with the requirements established by the Texas State Board of Public Accountancy. These credits may be applied towards electives of the MPAcc degree and will be graded as Satisfactory/Unsatisfactory. May be taken one time.
Prerequisites: Must have completed 15 semester credit hours of graduate course work (excluding prerequisite courses) with a grade point average of at least 3.30 on all attempted course work and obtain approval of the Department Chair.

ACC 5399 Special Issues in Accounting
This course examines current topics of interest in accountancy. May be repeated once when topic changes.
Prerequisites: Permission of instructor.

ACC 6310 Seminar in Intl Accounting
This course will include the following topics: Accounting uniformity (harmonization and implementation of IFRS), comparative studies considering topics like culture, economy, institutions.
Prerequisites: Consent of the instructor and the Graduate Advisor.

ACC 6320 Introduction to ACC Research
The class will examine the following topics: Sampling and measurement, external validity, reliability, archival research, qualitative research, case study, interviews, survey research, experimental research, accounting areas, financial, audit, tax, managerial, accounting information system.
Prerequisites: ACC 6310

ACC 6330 ACC Research Methods I
The topics covered in the class are the following: Market efficiency, information content of earnings, return analysis, volume analysis, valuation models, dividend policy and valuation, residual income, value relevance, conservatism, conditional, unconditional, market anomalies, earnings management.
Prerequisites: ACC 6310

ACC 6340 ACC Research Method II
The topics covered in the class are the following: Earnings response coefficients, earnings management, accrual model, benchmark thresholds, real earnings management, intra and inter-period income shifting, analysts and institutional ownership, debt contracting, governance, and disclosure.
Prerequisites: ACC 6310

ACC 6350 Seminar in Auditing
The class will have the following topics: corporate governance, executives, audit quality, restatements, audit fees, going concern reporting, industry specialization, and auditor changes.
Prerequisites: ACC 6310

American Sign Language (SGNL)
SGNL 1301 American Sign Language I
Introduction to American Sign Language. Covers vocabulary, grammar, and cultural issues of communication for the hearing-impaired community.

SGNL 1302 American Sign Language II
Introduction to American Sign Language. Covers vocabulary, grammar, and cultural issues of communication for the hearing-impaired community.

SGNL 1620 American Sign Language I & II
Introduction to American Sign Language. Covers vocabulary, grammar, and cultural issues of communication for the hearing-impaired community. This course offers students a one-semester course equivalent to SGNL 1301 and SGNL 1302.

Anthropology (ANTH)
ANTH 2302 Introduction to Archaeology
The study of the human and material remains of previous civilizations humans left behind on or below the surface of the earth. Different theories of the interpretations of archaeological evidence are presented. In addition to course work, a field trip will be included.
TCCN: ANTH 2302

ANTH 2346 Introduction to Anthropology
This introductory course considers the emergence of humans, and traces the development of their physical characteristics and culture to the present. The course covers the four basic subfields of anthropology: cultural anthropology, linguistic anthropology, physical anthropology, and archaeology.
TCCN: ANTH 2346
ANTH 3302 Indians of North America
Survey of the archeology, history, culture, social organization, ecology, and contemporary conditions of the indigenous people of North America, including the Indians of Mexico. Special emphasis is placed on the impact of contact, resistance, and the reservation experience of Indians in Texas.

ANTH 3303 Biological Anthropology
Anthropology is the holistic study of humans and our culture. Biological anthropology, a sub-discipline of anthropology, is the study of human biological and cultural evolution. This course introduces foundational concepts pertaining to human evolution, including evolutionary theory, genetics, geology paleontology, primatology, archaeology, and osteology. The course also covers the detailed history of the biocultural evolution of our species. This class also includes an extensive examination into the applied side of biological anthropology, particularly as it pertains to forensics and bioarcheology.

ANTH 3305 North American Archaeology
This course introduces students to the archaeology of North America by examining the different time periods and cultural areas. The latest archaeological interpretations and debates are provided to understand the peopling of the continent, the origins of North American agriculture, and the development of complex societies. The course also discusses significant archaeological interpretations of historical sites.

ANTH 4301 Special Topics in Anthropology
Selected topics in an identified area. May be repeated if topic changes.

ANTH 4302 Myth, Magic and Religion
Why have humans populated their universe with unseen beings, imagined places, and supernatural powers? Why have they created elaborate rituals and mythic stories that must be believed in if human life is to prosper? Humans have been trying to find order and meaning in the universe for thousands of years, and their attempts to do so—belief in the supernatural, stories to explain the unknown, and all the types of the behaviors these manifest—are as diverse and creative as anything that can be found in popular books and movies.

ANTH 4303 Archaeology Reality & Fantasies
This course explores the myths, mysteries, frauds, and fantasies surrounding archaeology. Topics include lost continents, aliens’ role in prehistory, controversies over the peopling of the Americas, myths of the Moundbuilders, psychic archaeological methods, archaeology of religion, diverse claims about the past, different uses of archeological evidence, and the persistence of popular misconceptions about the human past. Throughout the class, we will focus on critical thinking through an examination of science and pseudoscience. Specific case studies are used to explore the differences between science and pseudoscience and to generate thoughtful discussion concerning the scientific method, logical thinking, rationality, and belief.

ANTH 4304 Food and Culture
In this course, students gain a biocultural perspective on foodways throughout cultures around the world. Students will explore ethnographic accounts of various foodways around the world throughout the semester. This class will cover personal food taboos, the prehistoric and historic use of chocolate, nutritional challenges in poverty-stricken communities, and the social power behind the ways in which particular foods look and are served. In addition to learning about the synthesis of food and culture, students will also learn how to write an academic research paper.

ANTH 4351 Cultural Anthropology
Major aspects of culture (social organization, economics, religion, etc); cultural patterns and sociocultural change; prehistory of humans and the development of variant cultures.

Applied Music (MUAP)

MUAP 1113 Applied Music Instr
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Prerequisites: Successful placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 1010 for all music majors and minors.

MUAP 1213 Appl Music Instr
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ, percussion piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Seminar attendance may be required. May be repeated for credit in accordance with degree plan. Prerequisites: Successful placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 1010 for all music majors and minors.

MUAP 3105 Junior Performance
Primarily for Juniors in the Bachelors of Music program. May be taken by others with consent of instructor. Participants will give a juried public recital. Perquisites: Upper-level standing, concurrent enrollment in the corresponding MUAP class, and consent of instructors.

MUAP 3113 Appl Music Instr
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Prerequisites: Successful placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 3010 for all music majors and minors.

MUAP 3213 Appl Music Instr
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Seminar attendance may be required. May be repeated for credit in accordance with degree plan. Prerequisites: Upper division standing, successful completion of at least two semester hours of MUAP 1213 or placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 3010 for all music majors and minors.

MUAP 4105 Senior Performance
For Seniors in Music. Participants will either give a recital or submit a senior thesis (BA degree only) judged successfully by the department as partial fulfillment of the degree requirement. Prerequisites: Upper-level standing, students must be concurrently enrolled in their primary instrument and have the consent of the instructor.
**Arabic (ARAB)**

**ARAB 1311 Beginning Arabic I**
In this course students will acquire fundamental skills in listening comprehension, speaking, reading and writing. Includes basic vocabulary, grammatical structures and culture.
TCCN: ARAB 1411

**ARAB 1312 Beginning Arabic II**
A continuation of ARAB 1311, students will acquire additional skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
Prerequisites: ARAB 1311 or consent of instructor.
TCCN: ARAB 1412

**ARAB 1620 Beginning Arabic**
An intensive beginning Arabic course. Six semester hours plus one hour lab. In this course students will acquire fundamental skills in listening comprehension, speaking, reading and writing. Includes basic vocabulary, grammatical structures, and culture. Six semester hours plus one hour lab (Cross-listed with ARAB 1311 and ARAB 1312).

**Art (ARTS)**

**ARTS 1100 Art and Children**
An introduction to the principles of art that can be related to the expressive and developmental needs of children from pre-school through the fourth grade.

**ARTS 1301 Hist of Paint, Sculp&Arch**
Beginning with Greek and Roman art and continuing through the Cubist Movement, this course will discuss a variety of major artistic works and landmarks. The goal of the course will be to understand art in relation to its traditions of use, meaning, and technique within specific cultures and historical settings. May be substituted for ARTS 1303 in the major in art, but not for the minor in Art History.
TCCN: ARTS 1301

**ARTS 1303 Art Hist Surv: Prehist-Renaiss**
A basic introduction to painting, sculpture, architectural and other media from pre-history to the fifteenth century, including some coverage of nonwestern cultures. The goal of the course will be to understand art in relation to its traditions of use, meaning, and technique within specific cultures and historical settings.
TCCN: ARTS 1303

**ARTS 1304 Art Hist Surv: Ren-Modern**
A basic introduction to painting, sculpture, architecture and other media from the fifteenth to the mid-late twentieth century, including some coverage of nonwestern cultures. The goal of the course will be to understand art in relation to its traditions of use, meaning, and technique within specific cultures and historical settings.
TCCN: ARTS 1304

**ARTS 1311 Design I for Art Majors/Minors**
A studio course concerning the fundamentals of art with emphasis on two-dimensional concepts. The primary studio foundation course required of all studio majors and minors as a pre-requisite to all subsequent studio classes; open only to majors/minors or those fully intending to declare a major or minor in ARTS. Consent of Instructor required.
TCCN: ARTS 1311

**ARTS 1312 Design II**
A studio course concerning the fundamentals of art with emphasis on three-dimensional concepts.
TCCN: ARTS 1312

**ARTS 1316 Drawing I**
An introduction to basic drawing skills and rendering: focus will be on black and white drawing media, both dry and wash. Observational drawing of various types will provide the focus for renderings in this course. Value structure, line qualities, gesture, light logic, proportion, foreshortening, and perspective will represent some of the skills to be addressed. This class meets five hours a week.
Prerequisites: ARTS 1311 recommended.
TCCN: ARTS 1316

**ARTS 1317 Drawing II**
A continuation of ARTS 1316. Black and white drawing, introduction and partial exploration of color. The student will also develop self-initiated projects that are based on individual creative research.
Prerequisites: ARTS 1316 or consent of instructor.
TCCN: ARTS 1317

**ARTS 2316 Painting I**
An introduction to basic oil painting skills. Emphasis of this course will be on rendering and basic techniques including wet-into-wet painting, underpainting, and glazing. First semester will cover basic shapes, still life, composition, value structure, light logic, perspective, safety, and materials. This class meets five hours a week. It is suggested that students take ARTS 1311, 1316 and 1317 before taking this course.
TCCN: ARTS 2316

**ARTS 2333 Printmaking I**
An introduction to relief printmaking, including linocuts, woodcuts, and collographs. This class meets five hours per week. May be repeated for credit.
Prerequisites: ARTS 1316 and ARTS 1317 or consent of instructor.
TCCN: ARTS 2333

**ARTS 2346 Ceramics I**
An introduction to the fundamentals of ceramic construction, glazing, and firing techniques with a concentration on hand building, and methods of surface exploration.
Prerequisites: No prerequisite required.
TCCN: ARTS 2346
ARTS 2356 Photography I
An introduction to film-based and digital photography as an artistic medium. Topics include basic photographic methods, processes, and concepts; camera operation; a multicultural survey of the history of photography; and basic black-and-white darkroom and digital lab practice.
Prerequisites: ARTS 1311 or consent of instructor.
TCCN: ARTS 2356

ARTS 3100 Art and Children
An introduction to the principles of art that can be related to the expressive and developmental needs of children from pre-kindergarten through the sixth grade.

ARTS 3308 Intermediate Painting
A continuation of ARTS 2316. Introduction to figures, landscape, and photographic reference. This class meets five hours a week.
Prerequisites: ARTS 2316 or consent of instructor.

ARTS 3309 Intermediate Sculpture
A continuation of ARTS 2326. A continuing basic introduction to three-dimensional art. Additive and subtractive media will be explored further, as well as other potential artistic strategies that share sculpture's spatial characteristics. This course meets five hours a week. Not offered every year. May be repeated once for credit.
Prerequisites: ARTS 2326 or consent of instructor.

ARTS 3310 Studies Art Hist & Criticism
Features study of the arts of selected cultures, periods, media, themes, and artists in contexts ranging from ancient to contemporary. May be repeated once when topic changes.
Prerequisites: ENGL 1302.

ARTS 3323 Intermediate Life Drawing
A continuation of ARTS 1317 with more in-depth study of the human figure and its anatomy. Emphasis of the course will be drawing from the model in all media, including discourse on contemporary issues regarding the nude in art.

ARTS 3324 Intermediate Ceramics
A continuation of ARTS 2346. Covers further aspects of construction of wheel-throwing, basic glazemaking, and an introduction to kiln firing and loading.
Prerequisites: ARTS 2346 or consent of instructor.

ARTS 3330 18th & 19th Century Art
Selected areas of study in the arts of Europe and North America from about 1700 to about 1860. The evolving cultural and economic roles of art, artists, and audiences in the modern era will provide an organizing theme.
Prerequisites: ENGL 1302 or consent of instructor.

ARTS 3333 Intermediate Printmaking
A continuation of ARTS 2333, this course will explore increasingly advanced printmaking practices, including relief work and lithography. A greater emphasis on conceptual work, mixed media, and independent projects.
Prerequisites: ARTS 2333 or consent of instructor.

ARTS 3335 Intro to Computers and Art
An introduction to the basics of computer-based art and design.
Prerequisites: ARTS 1311 or consent of instructor.

ARTS 3352 Modern Art 1860-1960
Selected areas of study concerning art, artists, audiences, and stylistic concepts from the beginnings of modernist approaches to painting to styles of the 1960s.
Prerequisites: ENGL 1302.

ARTS 3353 Art Since 1945
Selected areas of study concerning movements, artists, and critical concepts associated with recent and contemporary art.
Prerequisites: ARTS 1301 or 1304; ARTS 3352 strongly recommended.

ARTS 3356 Intermediate Photography
A continuation of ARTS 2356, with attention to broadening and deepening the topics covered in Photography I, as well as increased emphasis on critical thinking. Student effort will be directed toward the production of a coherent individual project.
Prerequisites: ARTS 2356 or equivalent or consent of instructor.

ARTS 4173 Undergraduate Research
A course adapted to the study of special topics in studio art or art history. For advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration. Course may be repeated, but not to exceed eight semester hours in total.
Prerequisites: Permission of instructor.

ARTS 4273 Undergraduate Research
A course adapted to the study of special topics in studio art or art history. For advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration. Course may be repeated, but not to exceed eight semester hours in total.
Prerequisites: Permission of instructor.

ARTS 4301 Advanced Drawing
Beyond rendering, this class will address the interaction of drawing, materials, and conceptualization. In-class critiques, out-of-class assignments, and independent self-motivated projects are the largest components of this course. This class meets five hours a week. May be repeated twice for credit.
Prerequisites: ARTS 1316 and 1317.

ARTS 4303 Advanced Painting
Beyond rendering, this class will address the interaction of painting, materials, and conceptualization. In-class critiques, out-of-class assignments, and independent self-motivated projects are the largest components of this course. This class meets five hours a week. May be repeated twice for credit.
Prerequisites: ARTS 2316 and ARTS 3308.

ARTS 4304 Advanced Sculpture
A continuation of Intermediate Sculpture, this course will address the interaction of sculpture, materials, and conceptualization. In-class critiques, out-of-class assignments, and independent self-motivated projects are the most important components of the course. May be repeated twice for credit.
Prerequisites: ARTS 3309.
ARTS 4324 Advanced Ceramics
A continuation of ARTS 3324, this course will address the interaction of ceramics, materials, and conceptualization. In-class critiques, out-of-class assignments, and independent self-motivated projects are the most important components of this course. May be repeated twice for credit. Prerequisites: ARTS 3324.

ARTS 4331 Advanced Printmaking
Further investigation into advanced printmaking, with an increased emphasis on critical and conceptual analysis. This course will explore non-traditional media and unconventional printmaking practices. Students develop an independent body of work using the printmaking media of their choice. May be repeated twice for credit. Prerequisites: ARTS 3333 or consent of instructor.

ARTS 4333 Practicum Seminar in the Arts
A practical seminar designed to introduce students to the art world. Issues and problems covered will include research and writing of an artistic statement, where and how to sell work, graduate school, jobs, and portfolio preparation. Occasional presentations and group critiques will also be scheduled. Framing, matting, photographing art for gallery presentation. An exhibition of the student’s work will be required, along with an accompanying statement by the artist. Must be taken concurrently with ARTS 4301 or ARTS 4304 or ARTS 4314 or ARTS 4331 or ARTS 4361.

ARTS 4334 Sem: Special Topics Visual Art
Selected areas of special study concerning the visual arts. May be repeated for credit with consent of instructor. Areas of study may include issues concerning critical theory, study of specific artists and movements, as well as contemporary film and performance art. Not offered every semester. Prerequisites: Consent of instructor.

ARTS 4361 Illustration/Elec Imaging
A continuation of ARTS 3365, with further work in the use of painting, drawing, and image-enhancement software programs. Prerequisites: ARTS 3365 or consent of instructor.

ARTS 4365 Advanced Photography
A continuation of ARTS 3365, this course will concentrate on the realization of content as creative expression and a heightened mastery of photographic skills in the darkroom and in the computer lab. Prerequisites: ARTS 3365.

ARTS 4373 Undergraduate Research
A course adapted to the study of special topics in studio art or art history. For advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration. Course may be repeated, but not to exceed eight semester hours in total. Prerequisites: Permission of instructor.

Astronomy (ASTR)

ASTR 1110 Principles of Astronomy Lab
Laboratory course to accompany ASTR 1310. Practical exercises reinforce ASTR 1310 lecture material. Topics include astronomical measurements, Kepler’s laws of planetary motion, Newton’s law of universal gravitation, stellar spectra, parallax, and the Hertzsprung# Russell diagram. Must be taken concurrently with ASTR 1310. TCCN: ASTR 1103

ASTR 1111 Planetary Astronomy Lab
Laboratory course to accompany ASTR 1311. Practical exercises reinforce ASTR 1311 lecture material. Topics will include unaided-eye observation, telescopic observation, telescope manipulation and experiments/exercises. Must be taken concurrently with ASTR 1311. Carries no credit towards a major or minor in Physics. Laboratory fee applicable.

ASTR 1112 Stellar Astronomy Lab
Laboratory course to accompany ASTR 1312. Practical exercises reinforce ASTR 1312 lecture material. Topics will include unaided-eye observation, telescopic observation, telescope manipulation and experiments/exercises. Must be taken concurrently with ASTR 1312. Carries no credit towards a major or minor in Physics. Laboratory fee applicable.

ASTR 1310 Principles of Astronomy
A one semester introductory survey course of astronomy. Topics include discovery in solar system of planets and moons, spectra, our sun and other stars, black holes and neutron stars, star clusters, nebula, galaxies and the structure of the universe. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with ASTR 1110. TCCN: ASTR 1303

ASTR 1311 Planetary Astronomy
An introductory survey of the solar system to include astronomical history and instrumentation, the sun, planets and their moons, comets, asteroids and meteoroids and meteorites. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with ASTR 1111. Carries no credit toward a major or minor in Physics.

ASTR 1312 Stellar Astronomy
An introductory survey of stellar properties and life cycles, H-R Diagrams, as well as galaxies and Hubble’s Law. Instrumentation techniques used to collect astronomical data is discussed in addition to topics from cosmology including General Relativity theory and the Big Bank theory. May be taken independently from ASTR 1311. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with ASTR 1112. Carries no credit towards a major or minor in Physics.
Bilingual Education/ESL (EDBE)

EDBE 3310 Foundations of Bilingual Edu
This course is designed to prepare all students seeking certification in bilingual education by focusing on the state standards of knowledge and skills for the beginning bilingual teacher. Bilingual education: legal aspects, historical perspectives, program models, including dual language models are introduced, discussed and evaluated. Prerequisites: Admitted to and in good standing in the College of Education and successful completion of SPAN 3305 and SPAN 3310.

EDBE 3322 Dual Lang Assessment & Dev
This course focuses on the nature of language development in early childhood including assessment, proficiency, legal aspects of entry/exit criteria, and major components of bilingual education. Special attention will be given to bilingual and linguistic phenomena, specifically, as it applies to the American Southwest. Conducted in English and Spanish. Conducted in English and Spanish. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, SPAN 3300. Corequisites: EDCI 3301.

EDBE 3325 Theories of 2nd Lang Learning
This course focuses on the behavioristic and cognitive theories of second language learning and acquisition. Characteristics of adult and child language learning as well as English as a Second Language (ESL) strategies are evaluated. Candidates will engage in a field experience. Prerequisites: Admitted to and in good standing in the College of Education and successful completion of EDBE 3310, EDBE 3325, SPAN 3305, and SPAN 3310.

EDBE 3335 Lang Arts Prin in Bil Settings
This course, taught in Spanish, focuses on relevant theories, models, and types of bilingual education as related to the development of bilingual, bicultural, and biliterate individuals. Candidates exhibit effective evidenced-based practices, methods, techniques, and assessment practices/strategies used with language arts instruction and evaluative instrumentation of selected school content at levels PK-8 in bilingual-multicultural programs. Teaching styles are identified and implemented in the context of various curricular formats. Prerequisites: Graduate standing and permission of instructor.

EDBE 4199 Issues in Bilingual Education
This course examines current topics in bilingual education. May be repeated once when topic changes. Prerequisites: Admission to the College of Education.

EDBE 4299 Issues in Bilingual Edu
This course examines current topics in bilingual education. May be repeated once when topic changes. Prerequisites: Admission to the College of Education.

EDBE 4334 Teach Cont Areas Dual Lang Env
This course, taught in Spanish, focuses on developing the knowledge and skills required of bilingual elementary teachers in dual language settings. Candidates demonstrate their ability to prepare lessons in Spanish by integrating academic content, content-related vocabulary, and critical thinking skills using evidenced-based practices and assessment strategies for second language learners in order to meet the affective, cognitive, and linguistic needs of children. Prerequisites: Admission to the College of Education and successful completion of EDBE 3310, EDBE 3325, SPAN 3305, and SPAN 3310.

EDBE 4336 Language Arts in Spanish
This course is a study of the methods and techniques for teaching language arts in Spanish to the bilingual student. Special attention will be given to the diagnosis of reading competence to ensure successful transition into English reading. 75 overall grade point average, EDCI 3301, SPAN 3305 and SPAN 3310. Prerequisites: Admission to the College of Education, 2.

EDBE 5110 Hist & Phil of Bil Education
This course focuses on school practices in light of the basic assumptions of philosophy, designed and conducted to stimulate critical thinking and promote equity and excellence for all students within the instructional environment of a bilingual classroom. Prerequisites: Graduate standing.

EDBE 5190 Special Issues in Bil Ed
This course examines timely topics of concern to educators involved in making decisions regarding bilingual education. May be repeated once when topic changes. Prerequisites: Graduate standing and permission of instructor.

EDBE 5210 Hist & Phil of Bil Education
This course examines timely topics of concern to educators involved in making decisions regarding bilingual education. May be repeated once when topic changes. Prerequisites: Graduate standing and permission of instructor.

EDBE 5290 Special Issues in Bil Ed
This course examines timely topics of concern to educators involved in making decisions regarding bilingual education. May be repeated once when topic changes. Prerequisites: Graduate standing and permission of instructor.

EDBE 5310 Hist & Phil of Bil Education
This course focuses on school practices in light of the basic assumptions of philosophy, designed and conducted to stimulate critical thinking and promote equity and excellence for all students within the instructional environment of a bilingual classroom. Prerequisites: Graduate standing.

EDBE 5322 Bil Oral Lang Assessment & Dev
This course focuses on: (1) the nature of language and dialects; (2) language characteristics of Spanish and English; (3) influences of languages on each other; (4) first and second language acquisition processes; (5) general principles for developing language proficiency. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to and in good standing in the College of Education. Prerequisites: Graduate standing.

EDBE 5324 Bil/Multicult Teach Strategies
This course focuses on the philosophy, nature, properties, processes and evaluative instrumentation of selected school content at levels PK-8 in bilingual-multicultural programs. Teaching styles are identified and implemented in the context of various curricular formats. Prerequisites: Graduate standing.
EDBE 5325 Teaching Engl as a Second Lang
This course focuses on strategies for implementing English as a Second Language Programs in grades PK-12. Emphasis on identification, selection, evaluation of ESL materials and tests; construction and presentation of structured and unstructured techniques to teach ESL; classroom management; relationship between oral and literate skills; role of ESL in bilingual programs. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to and in good standing in the College of Education.
Prerequisites: Graduate standing.

EDBE 5326 Teach Read&Lang Arts Bil Set
Strategies for providing developmentally appropriate emergent literacy and holistic instruction will be presented. The selection of appropriate materials and authentic assessment will be included.
Prerequisites: Graduate standing.

EDBE 5390 Special Issues in Bil Ed
This course examines timely topics of concern to educators involved in making decisions regarding bilingual education. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

Biology (BIOL)

BIOL 1101 Supplemental Laboratory
This course allows a transfer student to make up a laboratory deficiency at the introductory level. May be taken only for introductory courses. Laboratory fee applicable.
Prerequisites: Permission of Department Chair.

BIOL 1106 Principles of Biology I-Lab
Laboratory course to accompany BIOL 1306. Practical exercises reinforce BIOL 1306 lecture material. Topics will include biochemistry, cell structure and function, photosynthesis and respiration, DNA structure and function, mitosis, meiosis, and Mendelian genetics. Required for all biology majors. Concurrent enrollment in CHEM 1311/1111 is strongly recommended; concurrent enrollment in BIOL 1106 is required. Fulfills the laboratory Science core requirement. May be taken by non-science majors with permission of instructor.
TCCN: BIOL 1106

BIOL 1111 Principles of Biology II-Lab
Laboratory course to accompany BIOL 1311. Practical exercises reinforce BIOL 1311 lecture material. Emphasis will be on characteristics of the plant kingdom, but the relevant features of algae and fungi will also be discussed. General topics will include plant structure, physiology and development, evolution and ecology. Must be taken concurrently with BIOL 1306. Laboratory fee applicable.
TCCN: BIOL 1111

BIOL 1170 Survey of Life Science Lab
Laboratory course to accompany BIOL 1370. Must be taken concurrently with BIOL 1370. Required for elementary education certification. Not for students majoring or minoring in science. Fulfills the laboratory science core curriculum requirement. Laboratory fee applicable.
TCCN: BIOL 1108

BIOL 1171 Human Biology-Lab
Laboratory course to accompany BIOL 1371. Practical exercises reinforce BIOL 1371 lecture material. Topics include the basic anatomy and functioning of systems of the human body, including musculoskeletal, reproductive, circulatory, respiratory, immune, nervous, endocrine, urinary, and digestive systems. Not for students majoring or minoring in biology. Fulfills the laboratory science core curriculum requirement. Must be taken concurrently with BIOL 1371. Laboratory fee applicable.

BIOL 1306 Principles of Biology I
A study of the basic principles of Biology. Topics will include biochemistry, cell structure and function, photosynthesis and respiration, DNA structure and function, mitosis, meiosis, and Mendelian genetics. Required for all biology majors. Concurrent enrollment in BIOL 1106 is required. Fulfills the laboratory Science core requirement. May be taken by non-science majors with permission of instructor.
TCCN: BIOL 1306

BIOL 1311 Principles of Biology II
This course is designed to give the students a broad introduction to botany. Emphasis will be on characteristics of the plant kingdom, but the relevant features of algae and fungi will also be discussed. General topics will include plant structure, physiology and development, evolution and ecology. Concurrent enrollment in BIOL 1111 is required. May be taken by non-science majors with permission of instructor.
TCCN: BIOL 1311

BIOL 1370 Survey of Life Science
A basic introductory course stressing fundamental biological principles and concepts. It is designed to acquaint the future elementary teacher with the various structures, functions, life histories, and occurrence of local plants and animals. Must be taken concurrently with BIOL 1170. Required for elementary education certification. Not for students majoring or minoring in science. Fulfills the laboratory science core curriculum requirement.
TCCN: BIOL 1308

BIOL 1371 Human Biology
A survey of the basic anatomy and functioning of systems of the human body; including musculoskeletal, reproductive, circulatory, respiratory, immune, nervous, endocrine, urinary, and digestive systems. Not for students majoring or minoring in biology. Must be taken concurrently with BIOL 1171. Fulfills the laboratory science core curriculum requirement.

BIOL 1413 Principles of Biology III
A survey of the kingdom Animalia which considers the fundamentals of biology. Includes classification, phylogeny, evolution, anatomy, physiology and behavior of animals and related taxa in the protista. Lecture/ laboratory. May be taken by non-science majors with permission of instructor. Laboratory fee applicable.
TCCN: BIOL 1413
BIOL 2101 Anatomy & Physiology I-Lab
Laboratory course to accompany BIOL 2301. Practical exercises reinforce BIOL 2301 lecture material. Topics include the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous system and special senses. Must be taken concurrently with BIOL 2301. Laboratory fee applicable.
TCCN: BIOL 2101

BIOL 2102 Anatomy & Physiology II-Lab
Laboratory course to accompany BIOL 2302. Practical exercises reinforce BIOL 2302 lecture material. Topics include endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems. Other topics include metabolism, acid-base balance, development, and heredity. Carries no credit for biology majors. Must be taken concurrently with BIOL 2302. Laboratory fee applicable.
TCCN: BIOL 2102

BIOL 2301 Anatomy & Physiology I
A study of the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous system and special senses. Must be taken concurrently with BIOL 2101. Carries no credit for biology majors. Prerequisites: Consult your departmental advisor or obtain instructor's permission.
TCCN: BIOL 2301

BIOL 2302 Anatomy & Physiology II
A study of the structure and function of the human body including endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems. Other topics include metabolism, acid-base balance, development, and heredity. Must be taken concurrently with BIOL 2102. Carries no credit for biology majors.
TCCN: BIOL 2302

BIOL 2415 Microbiology for Allied Health
Clinically oriented overview of basic medical microbiology. Topics discussed include cell structure and function, microbial growth and its control, immunology, and genetics. Carries no credit for biology majors. Lecture/laboratory. Laboratory fee applicable. Prerequisites: Consult School of Nursing. TCCN: BIOL 2420

BIOL 2421 General Microbiology
A survey of microbiology. Topics include structure, growth, reproduction, metabolism, genetics, and taxonomy of microorganisms; a survey of microorganisms of soil, water, foods, and industry. Lecture /laboratory. Laboratory fee applicable. Prerequisites: BIOL 1306/1106, and CHEM 1311/1111. TCCN: BIOL 2421

BIOL 3401 Environmental Science
An interdisciplinary course including the following topics: ecosystems, population dynamics, flow of energy and materials and their transformations, renewable and non-renewable resources, wastes, energy, solid wastes, control of weeds and pests, environment and human health and anthropogenic effects on the environment. Required for Environmental Science majors. Laboratory fee applicable. (Cross-listed with ENSC 3401) Prerequisites: Eight hours of major's biology or permission of instructor.

BIOL 3403 Human Anatomy
A laboratory-based intensive study of the gross structure of organs and organ systems. Suggested for prehealth professional students. Lecture/ laboratory. Laboratory fee applicable. Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 3405 Human Physiology
A study of the function of the human body including cell function, tissue functions, homeostasis, metabolism, nervous system, endocrine system, muscle function, cardiovascular system, breathing and gas exchange, digestive system, urinary system, water and electrolyte balance, acid base balance. Lecture/Laboratory. Laboratory fee applicable. Prerequisites: Twelve hours of Biology, BIOL 3403, and junior standing.

BIOL 3406 Evolution
Genetic and ecological basis of evolutionary changes within populations of plants and animals. Historical, morphological, biochemical, behavioral, and biogeographical evidence will be considered. Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 3407 Animal Behavior
An evolutionary perspective of behavioral diversity in animals. Topics covered will include the genetics of behavior and levels of selection, predator/prey interactions, mating systems, parental care, resource competition, feeding ecology, communication, social behavior and learning. Students will begin developing and testing their own hypotheses in animal behavior. Field work required. Laboratory fee applicable. Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 3410 Ecology
A study of inter-relationships of plants and animals and their natural environment. Topics include distribution and abundance of plants and animals with respect to population, community, and ecosystem structure and function. Emphasis will be placed on local flora, and fauna. Extensive field work required. Required for biology majors. Laboratory fee applicable. Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 3412 Cell Biology
An introduction to the structure and function of eukaryotic cells. Emphasis is placed on the biochemical and biological characteristics of macromolecules and organelles. The major experimental tools used in modern cell biology are presented in the context of research. Topics include membranes, structure and function of proteins, energy conversion, the maintenance of cellular compartments, and transmembrane and cell-cell signaling. Laboratory fee applicable. Prerequisites: BIOL 1306/1106 and BIOL 1311/1111, BIOL 1413 or BIOL 2421 and CHEM 2423 or permission of instructor.

BIOL 3413 Intro to Genetics
A study of the basic principles of the science of heredity, with an emphasis in classical and molecular genetics. Classical and molecular approaches are discussed as applied to a range of organisms from bacteria to man. Laboratory fee applicable. Prerequisites: BIOL 1306/1106 and BIOL 1311/1111, BIOL 1413 or BIOL 2421 and CHEM 2423 or permission of instructor.
BIOL 3414 Invertebrate Zoology
The class serves to give the student an appreciation for invertebrate form, function, natural history, evolution and systematics. Field work required.
Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors including BIOL 1413 or permission of instructor.

BIOL 3416 Intro to Biological Statistics
An introduction to statistical methodology applied to biology. Topics covered include the scientific method, biological experimental design, data management, probability distributions, hypothesis testing, analysis of variance, regression analysis, correlation analysis, analysis of frequencies, and an introduction to multivariate analysis. A special emphasis will be given to the application of these techniques for the student's own research. Lecture/laboratory.
Prerequisites: BIOL 1306/1106, 1311/1111, 1413 or permission of instructor.

BIOL 3425 Paleontology and Earth History
An examination of the geologic history of the Earth focusing on the fossil and rock record. Specifically, this course will consider the development and history of life as documented by the fossil record and earth's history from a stratigraphic perspective. Includes three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: Junior Standing.

BIOL 3451 Biochemistry I
An introduction to modern biochemistry using fundamental chemical principles. Topics covered include proteins, carbohydrates, lipids, nucleic acids, bioenergetics, enzymology, and metabolism with an emphasis on interrelationships between metabolic pathways and regulation. Cross-listed with CHEM 3451. Credit cannot be given for both BIOL 3451 and CHEM 3451. Laboratory fee applicable.
Prerequisites: BIOL 1306/1106 and CHEM 2423 or permission of instructor.

BIOL 4170 Biology Seminar
A study of current biological literature and the discussion of research in progress. May be repeated when topic changes. Required of all biology majors in their junior or senior year.

BIOL 4173 Undergraduate Research
A course adapted to the study of special topics in biology. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with the approval of the instructor prior to registration. Course may be repeated but not to exceed eight semester hours for biology majors and not exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Permission of instructor.

BIOL 4273 Undergraduate Research
A course adapted to the study of special topics in biology. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with the approval of the instructor prior to registration. Course may be repeated but not to exceed eight semester hours for biology majors and not exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Permission of instructor.

BIOL 4371 Current Topics in Biology
A seminar course on topics of current biological interest. Laboratory section included at discretion of instructor. May be repeated when topic changes.
Prerequisites: Junior standing and permission of instructor.

BIOL 4373 Undergraduate Research
A course adapted to the study of special topics in biology. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with the approval of the instructor prior to registration. Course may be repeated but not to exceed eight semester hours for biology majors and not exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Permission of instructor.

BIOL 4402 Mammalogy
A study of anatomy, evolution, distribution, systematics, ecology, and physiology of mammals, with special emphasis on local representatives. Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors including BIOL 1413 or permission of instructor.

BIOL 4404 Herpetology
A study of the anatomy, evolution, distribution, systematics, ecology, and physiology of amphibians and reptiles; primarily North American species with special emphasis on local representatives. Saturday field trips required. Lab fee: $30.
Prerequisites: Eight SCH lower-level Biology for majors including BIOL 1413 or permission of instructor.

BIOL 4407 Behavioral Ecology
A course in the function of behavior in the context of ecology and evolution. Topics will include foraging behavior, habitat selection, mating behavior, parental care, and social behavior.
Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 4408 Entomology
An introduction to the study of insects (and arachnids). Topics will include anatomy and physiology, evolution, ecology, and behavior. Special emphasis will be placed on insect diversity and identification of local families of insects (and arachnids). A collection of local representatives is required. Saturday field trips required. Laboratory fee applicable.
Prerequisites: Eight SCH lower-level Biology for majors including BIOL 1413 or permission of instructor.

BIOL 4409 Molecular Sys Biol&Chem Gene
A course dedicated to the discussion of current approaches to study "Omics" or systems biology, and the impact of chemical genetics in understanding how to activate or inactivate gene products as a way to determine the cellular functions of proteins. The course covers topics at the molecular level, including research in the evolving areas of genomics, proteomics, metabolomics, bioinformatics, microbial systems, and the integration of cell signaling and regulatory networks. Laboratory fee applicable. (Cross-listed with CHEM 4409 and BIOL 5409)
Prerequisites: Permission of instructor.
BIOL 4411 Animal Nutrition
A study of nutritive requirements for domestic animals, including ruminants, and monogastrics. Topics covered include the digestive system, nutrient metabolism, design of diets from available feed stuffs, and an introduction to feed and labeling laws. Prerequisites: Consent of instructor.

BIOL 4418 Community Ecology
A study of biotic and abiotic interactions determining community structure emphasizing models, observations and field experiments on communities. Topics will include diversity, food webs, succession, the factors determining the composition of communities, and the functioning of ecosystems. Independent study of a selected community ecology topic required. Prerequisites: Eight SCH lower-level Biology for majors or permission of instructor.

BIOL 4420 Environmental Microbiology
An overview of the relationship between microbial metabolism, physiology, and the environment. The application of modern microbiological concepts to address and solve current environmental problems is emphasized. Topics include air, water and soil microbiology, geochemical activities of microbes, biotransformations, pollution, and pollution abatement using microbes. Laboratory fee applicable. (Cross-listed with BIOL 4420/BIOL 5420). Prerequisites: BIOL 2421 or permission of instructor.

BIOL 4425 Immunology
A detailed study of the immune response and related events. Emphasis is placed on cellular and humoral branches of immunity, including the study of blood (serology) as a diagnostic tool. Laboratory fee applicable. (Cross-listed with BIOL 5425). Prerequisites: BIOL 2421 or permission of instructor.

BIOL 4430 Limnology
Study of the structure and function of inland waters, ecology of freshwater systems such as lakes, ponds, rivers, and streams. Topics include physical and chemical properties of freshwater, habitats, biotic composition, and productivity water use. Laboratory fee applicable. (Cross-listed with ENSC 4430). Prerequisites: BIOL 3410 or permission of instructor.

BIOL 4440 Plant Systematics
An introduction to plant systematics with an emphasis on flowering plants. Topics will include principles of classification, rules of nomenclature, plant identification and the use of keys, the evolutionary relationships among plant groups, species concepts, and experimental approaches to systematics. Laboratory fee applicable. (Cross-listed with BIOL 5440) Prerequisites: BIOL 3411 or permission of the instructor.

BIOL 4441 Plant Physiological Ecology
This course will examine plant physiological mechanisms that explain ecological patterns. Topics will include the physiological characteristics of plants (photosynthesis, energy balance, water relations, mineral nutrition, growth, and development) and how those characteristics are adaptive to various environments. (Cross-listed with BIOL 5441) Prerequisites: BIOL 1311/1111 or permission of the instructor.

BIOL 4442 Environmental Microbiology
An overview of the relationship between microbial metabolism, physiology, and the environment. The application of modern microbiological concepts to address and solve current environmental problems is emphasized. Topics include air, water and soil microbiology, geochemical activities of microbes, biotransformations, pollution, and pollution abatement using microbes. Laboratory fee applicable. (Cross-listed with BIOL 4420/BIOL 5420). Prerequisites: BIOL 2421 or permission of instructor.

BIOL 4445 Bioinformatics
Bioinformatics introduces general bioinformatics concepts and their practice. Students will be introduced to current techniques in generation and storage of biological information, biological databases, sequence alignments, molecular phylogeny. They will also learn modern Genomic/proteomic concepts, and the use of publicly available software in biological data analysis. Students will gain practical experience with bioinformatics tools and develop basic skills in the collection and presentation of bioinformatics data. Lab fee: $30.00. Prerequisites: BIOL 1311/1111, BIOL 1413 or BIOL 2421. Corequisites: BIOL 4055.

BIOL 4460 Geographic Info Systems
This course will explore fundamental concepts of geographic information technologies with a focus on applications within the geosciences and natural sciences in general. Students will be exposed to the power of geographic information systems to elucidate complex problems. (Cross-listed with GEOL 4460 and BIOL 5460) Prerequisites: Senior standing.

BIOL 4470 Developmental Biology
A study of the molecular and cellular events that lead to the generation of a multicellular organism from a fertilized egg. Emphasis on cell differentiation, development of an entire organism from a single cell involving several stages of differentiation and cell interaction. The course will investigate the cellular and molecular processes involved in generating an embryo, in creating various tissues and organs. Laboratory fee applicable. Prerequisites: BIOL 3413.

BIOL 4471 Current Topics in Biology
A seminar course on topics of current biological interest. May be repeated when topic changes. Laboratory section included and fee applicable. Prerequisites: Junior standing and permission of instructor.

BIOL 4472 Current Topics in Biology
A seminar course on topics of current biological interest. May be repeated when topic changes. No laboratory section included. Prerequisites: Junior standing or permission of instructor.

BIOL 4473 Undergraduate Research
A course adapted to the study of special topics in biology. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with the approval of the instructor prior to registration. Course may be repeated but not to exceed eight semester hours for biology majors and not exceed four hours for all other students. Laboratory fee applicable. Prerequisites: Permission of instructor.
BIOL 4475 Evolutionary Dev Biology
The objective of this course is to integrate two disciplines, evolutionary biology and developmental biology into a common framework of genetics. The focus will be on the evolution of developmental genetic pathways in order to explain the evolution of animal development. This course will explore how our growing knowledge of developmental circuits, and their variation, affects our understanding of how organisms evolve.
Prerequisites: BIOL 3413.

BIOL 5197 Biology Research
Continuation of thesis or non-theses research by the students under the supervision of the student's advisor. Can be repeated other semesters. Cannot be substituted for required or elective biology courses. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5290 Graduate Seminar in Biology
A seminar on current topics in biology. Emphasis will be on recent research in a field of biology. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5297 Biology Research
Continuation of thesis or non-thesis research by the students under the supervision of the student's advisor. Can be repeated other semesters. Cannot be substituted for required or elective biology courses. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5371 Special Topics in Biology
A seminar on topics of interest in biology. Laboratory section at discretion of instructor. May be repeated when topic changes. Laboratory fee, if applicable.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5397 Biology Research
Continuation of thesis or non-thesis research by the students under the supervision of the student's advisor. Can be repeated other semesters. Cannot be substituted for required or elective biology courses. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5398 Thesis I
This course is the first step in the Biology thesis and includes the thesis proposal and research. The course is to be scheduled by the student in consultation with student's major professor. Evaluation of this course is on CR/NC basis. The student will receive credit when the thesis proposal is approved by the student's thesis committee. If the proposal is not completed, then a grade of IP is received and the student must enroll again for credit. Laboratory fee applicable.
Prerequisites: Approval of the major professor and the Department Chair.

BIOL 5399 Thesis II
This course is the final step in the Biology thesis and includes research, the thesis and the thesis defense. The course is to be scheduled by the student in consultation with student's major professor. The student will receive credit when the thesis has been written and defended successfully. Evaluation of performance in this course is on CR/NC basis. If a grade of IP is received, the student must enroll again for credit. Laboratory fee applicable.
Prerequisites: Approval of the major professor and the Department Chair and credit in BIOL 5398.

BIOL 5401 Biometry
A course in experimental design and statistical analysis. The course will include techniques used in different fields of biological research and the application of these techniques for the student's own research.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5402 Advanced Mammalogy
A study of the anatomy, evolution, distribution, systematics, ecology, and physiology of mammals - with special emphasis on local representatives. Saturday field trips required. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of instructor.

BIOL 5404 Advanced Herpetology
A study of the anatomy, evolution, distribution, systematics, ecology, and physiology of amphibians and reptiles; primarily North American species with special emphasis on local representatives. Saturday field trips required. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of instructor.

BIOL 5407 Behavioral Ecology
A course in the function of behavior in the context of ecology and evolution. Topics will include foraging behavior, habitat selection, mating behavior, parental care, and social behavior.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5408 Advanced Entomology
An advanced study of insects (and arachnids). Topics will include anatomy and physiology, evolution, ecology, and behavior. Special emphasis will be placed on insect diversity and identification of local insects (and arachnids) to family and species. A collection of local representatives is required. Saturday field trips required. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5409 Molecular Sys Biol&Chem Gens
A course dedicated to the discussion of current approaches to study "Omics" or systems biology, and the impact of chemical genetics in understanding how to activate or inactivate gene products as a way to determine the cellular function of proteins. Molecular Systems Biology and Chemical Genetics covers topics at the molecular level, including research in the evolving areas of genomics, proteomics, metabolomics, bioinformatics, microbial systems, and the integration of cell signaling and regulatory networks. Laboratory fee applicable. (Cross-listed with BIOL 4409 and CHEM 4409)
Prerequisites: Graduate standing and permission of instructor.

BIOL 5410 Advanced Ecology-Pop&Com
An advanced study of biotic and abiotic ecosystem interactions emphasizing field measurements, statistical procedures, and computer simulations of the growth of populations. Topics will include social and species interactions within populations, analysis of population composition and change, the distribution of communities, and the functioning of ecosystems. Independent study of a selected ecological topic required. Laboratory fee applicable.

BIOL 5415 Population Genetics
A study of population genetics models, including genetic variation, selection, inbreeding, genetic drift, mutation, gene flow, linkage disequilibrium and recombination. Lecture/laboratory. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of instructor.
BIOL 5418 Advanced Community Ecology
A study of biotic and abiotic interactions determining community structure emphasizing models, observations and field experiments on communities. Topics will include diversity, food webs, succession, the factors determining the composition of communities, and the functioning of ecosystems. Independent study of a selected community ecology topic required.

BIOL 5420 Adv Environmental Microbiology
An overview of the relationship between microbial metabolism, physiology, and the environment with a discussion of the primary literature. The application of modern microbiological concepts to address and solve current environmental problems is emphasized. Topics include air, water and soil microbiology, geochemical activities of microbes, biotransformations, pollution, and pollution abatement using microbes. Laboratory fee applicable. (Cross-listed with ENSC 4420/BIOL 4420)
Prerequisites: Graduate standing and permission of instructor.

BIOL 5425 Advanced Immunology
A detailed study of the immune response and related events, with a discussion of primary literature. Emphasis is placed on cellular and humoral branches of immunity, including the study of blood (serology) as a diagnostic tool. Laboratory fee applicable. (Cross-listed with BIOL 4425)
Prerequisites: Graduate standing and permission of instructor.

BIOL 5440 Adv Plant Systematics
An introduction to plant systematics with an emphasis on flowering plants. Topics will include principles of classification, rules of nomenclature, plant identification and the use of keys, the evolutionary relationships among plant groups, species concepts, and experimental approaches to systematics. Laboratory fee applicable. (Cross-listed with BIOL 4440)
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5441 Adv Plant Physiological Eco1 
This course will examine plant physiological mechanisms that explain ecological patterns. Topics will include the physiological characteristics of plants (photosynthesis, energy balance, water relations, mineral nutrition, growth, and development) and how those characteristics are adaptive to various environments.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5450 Molecular Gen&Reg Gen Exp
An advanced course on the molecular mechanisms by which genes are controlled and regulated. Topics include induction, activation, repression and RNA interference of gene function.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5452 Advanced Biochemistry
A detailed study, using primary literature sources, of carbohydrate, amino acids, nucleic acids, and lipid metabolic pathways. Special attention is given to human metabolism in health and disease.
Prerequisites: one semester (3 SCH or more) of biochemistry for majors or permission of instructor.

BIOL 5455 Advanced Bioinformatics
Advanced bioinformatics introduces general bioinformatics concepts and their practice. Students will be introduced to current techniques in generation and storage of biological information, biological databases, sequence alignments, molecular phylogeny. They will also learn modern genomic/proteomic concepts, and the use of publicly available software in biological data analysis. Students will gain practical experience with bioinformatics tools and develop basic skills in the collection and presentation of bioinformatics data. Lab fee: $30.00.
Prerequisites: Graduate standing and permission of instructor.
Corequisites: BIOL 5055.

BIOL 5460 Adv Geographic Info Systems
This course will explore fundamental concepts of geographic information technologies with a focus on applications within the geosciences and natural sciences in general. Students will be exposed to the power of geographic information systems to elucidate complex problems. (Cross-listed with GEOL 4460 and BIOL 4460)
Prerequisites: Graduate standing.

BIOL 5470 Adv Developmental Biology
A study of the molecular and cellular events that lead to the generation of a multicellular organism from a fertilized egg. Emphasis on cell differentiation, development of an entire organism from a single cell involving several stages of differentiation and cell interaction. The course will investigate the cellular and molecular processes involved in generating an embryo, in creating various tissues and organs. Laboratory fee applicable.
Prerequisites: BIOL 3413.

BIOL 5471 Special Topics in Biology
A seminar course on topics of current biological interest. May be repeated when topic changes. Laboratory section included and fee applicable.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5472 Special Topics in Biology
A seminar course on topics of current biological interest. May be repeated when topic changes. No laboratory section included.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5475 Adv Evolutionary Dev Biology
The objective of this course is to integrate two disciplines, evolutionary biology and developmental biology into a common framework of genetics. The focus will be on evolution of developmental genetic pathways in order to explain the evolution of animal development. This course will explore how our growing knowledge of developmental circuits, and their variation, affects our understanding of how organisms evolve.
Prerequisites: BIOL 3413

BIOL 5480 Field Biology
A field course on the diversity and ecology of populations and communities along the Rio Grande. A field trip of two to three weeks will be required. Laboratory fee applicable.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5497 Biology Research
Continuation of thesis or non-thesis research by the students under the supervision of the student's advisor. Can be repeated other semesters. Cannot be substituted for required or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Graduate standing and permission of the instructor.
BIOL 5597 Biology Research
Continuation of thesis or non-thesis research by the students under supervision of the student’s advisor. Can be repeated other semesters. Cannot be substituted for required or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Graduate standing and permission of the instructor.

BIOL 5697 Biology Research
Continuation of thesis or non-thesis research by the students under the supervision of the student’s advisor. Can be repeated other semesters. Cannot be substituted for require or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Graduate standing and permission of the instructor.

Business Administration (BA)

BA 1301 Business Principles
This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.
Prerequisites: ENGL 1301 and ENGL 1302.

BA 3301 Professional Written Comm
An interdisciplinary study and practice of the fundamental communication principles for memoranda, letter, and report writing. Emphasis is placed on clear, accurate, and concise writing in a variety of professional settings.
Prerequisites: ENGL 1301 and ENGL 1302.

BA 3310 Legal Environment of Business
An introduction to the legal principles relating to business and its regulation. Includes coverage of topics such as basic contracts, torts, debtor/creditor relations, intellectual property, agency and employment, employment discrimination, and the creation and ramification of various business associations. Written assignments and/or oral presentations are required.
Prerequisites: Junior standing.

BA 3315 Intro Int’l Commercial Law
This course covers legal aspects of cross border transactions and trade, imports and exports, international financing, trade agreements, the documentary sale, international protection of intellectual property and international means of enforcement, adjudication and dispute resolution. It aims to provide an introductory overview of the international commercial legal environment, involving the three forms of international business: trade, licensing and investment. We will cover both private and public law applicable to international business transactions. Private law refers to, for instance: sales, trade finance and letters of credit, distribution agreements, agreements with foreign sales representatives, and licensing agreements, etc. Public law refers to, for instance: conventions, treaties, and agreements among nations, etc.

BA 3320 International Business
An interdisciplinary course in international business, it provides an interdisciplinary business background for understanding the growing commercial and economic interdependence among nations and the complexities of doing business across national boundaries. Written and/or oral presentations are required.
Prerequisites: Junior standing.

BA 3330 Intro to Oil and Gas Industry
This course provides a survey of the oil and gas industry. Topics include lifecycle of a hydrocarbon, global supply and demand, production facilities, property rights, easements, the oil and gas lease, geology, role of government, and the business of oil and gas. This course is designed to expose students to the oil and gas industry through various topics, which include the initial idea of drilling a well to the final end-user pumping gas in their car; US oil and gas property rights versus other countries; global supply and demand; and driving issues that influences development.

BA 4199 Issues in Business Adm
A problems course focusing on current issues. May be repeated once when topic changes. Prerequisite: Junior standing.

BA 4299 Issues in Business Adm
A problems course focusing on current issues. May be repeated once when topic changes. Prerequisite: Junior standing.

BA 4390 Business Strategy
An integrative course designed to prepare the student to make decisions concerning executive-level planning, policy formulation, and implementation. Case studies and business simulation are used to expose the student to administrative responsibilities. Written and/or oral presentations are required. Must be taken during final semester prior to graduation.

BA 4398 Business Internship
A directed internship in an organization to provide business students with a learning experience supervised by professionals in an organizational setting appropriate to the student’s career objectives (requires a minimum of 135 clock hours). These credits may be applied towards electives for any COBA degree and will be graded as Satisfactory/ Unsatisfactory. May be repeated; however, only 3 SCH may be used toward a degree program. Students must have at least an overall 2.50 GPA with more than a 3.00 GPA in the student’s major courses.
Prerequisites: Must have completed 90 SCH or 75 SCH with the approval of the student’s Department Chair.

BA 4399 Issues in Business Adm
A problems course focusing on current issues. May be repeated once when topic changes.
Prerequisites: Junior standing.

BA 5199 Special Issues in Business Adm
Course examines timely topics of concern to business decision makers. May be repeated once when topics vary.

BA 5201 Concepts in Fin and Eco
This course provides the foundation in Finance and Economics necessary for admission to the MBA program. Grading for the course is on a P/F basis.
BA 5202 Concepts in Acc and Info Sys
This course provides the foundation in Accounting and Information Systems necessary for admission to the MBA program. Grading for the course is on a P/F basis.

BA 5203 Concepts in MGT and MKT
This course provides the foundation in Management and Marketing necessary for admission to the MBA program. Grading for the course is on P/F basis.

BA 5204 Data Analytics for Management
This course provides an introduction to a variety of tools and techniques used in the field of data analytics. Students will summarize data, review statistical models, explore data mining techniques, and contemplate ethical considerations associated with the field of data analytics. This course presents a survey of concepts that will be explored more in-depth in subsequent courses in the MS IS program.

BA 5299 Special Issues in Business Adm
Course examines timely topics of concern to business decision makers. May be repeated once when topics vary.

BA 5310 Business Research Methods
The purpose of this course is to strengthen the student's ability to analyze a problem, locate resources, conduct an investigation and prepare a final written report. Must be taken during first semester of enrollment in a MBA or MS program. Written and oral presentations are integral components of this course.
Prerequisites: DS 5300 or concurrent enrollment.

BA 5320 Global Environments of Bus
A study of the domestic and foreign perspectives that form the context for business in a diverse and interdependent world. Topical coverage includes: sociocultural diversity; ethical issues; political, legal and regulatory issues; national environmental issues; and the impact of demographic diversity on organizations. Written and oral presentations are integral components of this course.

BA 5330 International Commercial Law
Legal aspects of trade, financing, and forward exchange contracts; comparative analysis under different legal systems; international means of enforcement, adjudication and arbitration.

BA 5398 Business Internship
A directed internship in an organization to provide business students with a learning experience supervised by professionals in an organizational setting appropriate to the student's career objectives (requires a minimum of 135 clock hours). These credits may be applied towards electives for any COBA degrees and will be graded as Satisfactory/Unsatisfactory. May be repeated; however, only three SCH may be used toward a degree program. 30 GPA for all attempted course work toward the degree, and a maximum of one "Q" or repeated course.
Prerequisites: Must have completed 15 SCH with at least a 3.

BA 5399 Special Issues in Business Adm
Course examines timely topics of concern to business decision makers. May be repeated once when topics vary.

BA 6198 Directed Read for Comp Exams
This course will prepare PhD students to understand, synthesize and the field of international business and specialty areas through reading of the appropriate literature. This course is graded pass/fail.
Prerequisites: Successful completion of all required PhD coursework, approval from the PhD Director and scheduled to teach a class in a summer term.

BA 6199 Dissertation Research
This course will prepare PhD students to write and defend a dissertation in the field of international business and specialty areas through completing a research project appropriate for a doctoral graduate. Students must maintain continuous enrollment after passing comprehensive examinations and admission to candidacy. This course is graded pass/fail.
Prerequisites: Successful completion of all components of the PhD Comprehensive Examination, approval from the PhD Director and scheduled to teach a class in a summer term.

BA 6310 Advanced Business Rsrch Meths
This course is intended to further develop the students empirical research skill set and examine current research tools outside the student's major.
Prerequisites: Consent of the instructor and the Graduate Advisor.

BA 6320 Research Iss in Intnl Bus Adm
This course offers an intensive study of the evolution of international business thought and the present state of development of international business theory with emphasis on current contributions to international business theory. The course includes analysis of current topics, issues, and practices in the international business environment not covered in any of the other specialized study courses. It will prepare the student for the intellectual exploration of business in an international arena.
Prerequisites: Consent of the instructor and the Graduate Advisor.

BA 6330 Advanced Regression Models
The topics to be included in this class are the following: Statistical inference (maximum likelihood estimation, least-squares estimation, subset selection methods, fitting and test of models, association and causality, statistical vs. deterministic models, graphical analysis and visualization, correlations, confounding and interaction, dummy variables, analysis of co-variance, diagnosis, polynomial regression, ordinal logistic regression, poisson regressions, times series analysis and panel data.
Prerequisites: Consent of the instructor and the Graduate Advisor.

BA 6335 Advanced Qualitative Modeling
Applies qualitative modeling methods and techniques to the study of international business administration.
Prerequisites: Consent of the instructor and the Graduate Advisor.

BA 6340 Covariance Based Strc Eq Model
Applies covariance-based structural equation modeling to the study of international business administration.
Prerequisites: Consent of the instructor and the Graduate Advisor.

BA 6345 Variance-Based Strc Eq Model
Applies variance-based research methods and techniques to the study of international business administration.
Prerequisites: Consent of the instructor and the Graduate Advisor.
**Chemistry (CHEM)**

**CHEM 1101 Supplemental Laboratory**
This course allows a transfer student to make up a laboratory deficiency at the introductory level. May be taken only for introductory courses. Laboratory fee applicable.
Prerequisites: Permission of Department Chair.

**CHEM 1111 General Chemistry I-Lab**
Laboratory course to accompany CHEM 1311. Practical exercises reinforce CHEM 1311. Topics include the basic principles of nomenclature, atomic structure, bonding, thermodynamics, chemical reaction, and stoichiometry. Must be taken concurrently with CHEM 1311. Laboratory fee applicable.
Prerequisites: Placement in College Algebra or higher.
TCCN: CHEM 1111

**CHEM 1170 Survey of Chemistry Lab**
Laboratory to accompany Survey of Chemistry, CHEM 1370. Not for students majoring or minoring in chemistry or biology. Fulfills the laboratory science core curriculum requirement. Must be taken concurrently with CHEM 1370. Laboratory fee applicable.
TCCN: CHEM 1105

**CHEM 1311 General Chemistry I**
Covers the basic principles of nomenclature, atomic structure, bonding, thermodynamics, chemical reaction, and stoichiometry. The first half of a two-semester course. Must be taken concurrently with CHEM 1311.
Prerequisites: Successful completion of all required PhD coursework.

**CHEM 1370 Survey of Chemistry**
An introduction to Chemistry and its relationship to society and the environment. Molecules that control daily life are explored via a conceptual approach. Not for students majoring or minoring in chemistry or biology. Fulfills the laboratory science core curriculum requirement. Must be taken concurrently with CHEM 1170.
TCCN: CHEM 1305

**CHEM 1412 General Chemistry II**
Covers gas laws, thermodynamics, kinetics and electrochemistry. The second half of a two-semester course. Three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: CHEM 1411 or CHEM 1311/1111.
TCCN: CHEM 1412

**CHEM 2423 Organic Chemistry I**
Offers an introduction to organic chemistry. Covers basic nomenclature, spectroscopy, structure and functional groups of organic molecules. A variety of organic reactions are discussed in terms of basic thermodynamics, structure, kinetics, and resonance theory. The first half of a two semester course. Three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: CHEM 1412.
TCCN: CHEM 2423

**BA 6398 Directed Read for Comp Exams**
This course will prepare PhD students to understand, synthesize and evaluate the field of international business and specialty areas through a reading of the appropriate literature. This course is graded pass/fail and may be repeated for credit.
Prerequisites: Successful completion of all required PhD coursework.

**BA 6399 Dissertation Research**
This course will prepare Ph.D. students to write and defend a dissertation in the field of international business and specialty areas through completing a research project appropriate for a doctoral graduate. Students must maintain continuous enrollment after passing comprehensive examinations and admission to candidacy. The course is graded as “In Progress.” No credit will be assigned until dissertation has been completed, successfully defended, and filed with the Ph.D. Program Director.
Prerequisites: Successful completion of all components of the program’s Comprehensive Examination.

**BA 6698 Directed Read for Comp Exams**
This course will prepare PhD students to understand, synthesize and evaluate the field of international business and specialty areas through a reading of the appropriate literature. This course is graded pass/fail and may be repeated for credit.
Prerequisites: Successful completion of all required PhD coursework.

**BA 6699 Dissertation Research**
This course will prepare Ph.D. students to write and defend a dissertation in the field of international business and specialty areas through completing a research project appropriate for a doctoral graduate. Students must maintain continuous enrollment after passing comprehensive examinations and admission to candidacy. The course is graded as “In Progress.” No credit will be assigned until dissertation has been completed, successfully defended, and filed with the Ph.D. Program Director. D Comprehensive Examination.
Prerequisites: Successful completion of all components of the Ph.

**BA 6998 Directed Read for Comp Exams**
This course will prepare PhD students to understand, synthesize and evaluate the field of international business and specialty areas through a reading of the appropriate literature. This course is graded pass/fail and may be repeated for credit.
Prerequisites: Successful completion of all required PhD coursework.

**BA 6999 Dissertation Research**
This course will prepare Ph.D. students to write and defend a dissertation in the field of international business and specialty areas through completing a research project appropriate for a doctoral graduate. Students must maintain continuous enrollment after passing comprehensive examinations and admission to candidacy. The course is graded as “In Progress.” No credit will be assigned until dissertation has been completed, successfully defended, and filed with the Ph.D. Program Director. D Comprehensive Examination.
Prerequisites: Successful completion of all components of the Ph.
CHEM 2425 Organic Chemistry II
Emphasizes the importance of functional groups in organic molecules, particularly in relation to their reaction mechanisms. Covers structure, reactivity and nomenclature of important organic compounds such as aldehydes, ketones, carboxylic acids, esters, amines, amides, phenols, heterocycles, carbohydrates, proteins, and nucleic acids. Second half of a two-semester course. Three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: CHEM 2423.
TCCN: CHEM 2425

CHEM 3400 Environmental Chemistry
A course that develops quantitative analytical techniques for monitoring and assessing toxins and pollutants in the environment. Three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: CHEM 1311, 1111 and CHEM 2423.

CHEM 3405 Analytical Chemistry
Laboratory fee applicable. The principles and theories of modern instrumentation examined through topics selected from electrochemistry, spectroscopy, and chromatography. Three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: CHEM 1412.

CHEM 3406 Analytical Chemistry II
A study of theory and application of modern instrumental methods of analysis, including UV-VIS, FT-IR, GC, NMR and potentiometric methods of titrimetric. Environmental analysis will be included. Laboratory fee applicable.
Prerequisites: CHEM 1411, CHEM 1412.

CHEM 3431 Physical Chemistry I
An understanding of chemical thermodynamics, equilibrium and electrochemistry will be developed. The first half of a two-semester course. Three hours of laboratory per week. Lab fee applicable.
Prerequisites: MATH 2413, CHEM 1412, and PHYS 1302 and PHYS 1102 or PHYS 2326 and PHYS 2126.

CHEM 3432 Physical Chemistry II
An understanding of chemical kinetics, quantum mechanics, statistical mechanics and photochemistry will be examined. The second half of a two-semester course. Three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: CHEM 3431.

CHEM 3451 Biochemistry I
An introduction to modern biochemistry using fundamental chemical principles. Topics covered include proteins, carbohydrates, lipids, nucleic acids, bioenergetics, enzymology, and metabolism, with an emphasis on interrelationships between metabolic pathways and regulation. Cross-listed with BIOL 3451. Credit cannot be given for both BIOL 3451 and CHEM 3451. Laboratory fee applicable.
Prerequisites: BIOL 1306, 1106 and CHEM 2423 or permission of instructor.

CHEM 4120 Chemistry Seminar
A study of the current chemical literature and the discussion of research in progress. May be repeated when topic changes. Required for all chemistry majors in their junior or senior year.

CHEM 4198 Investigations in Chemistry
Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Course may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Junior or senior standing and permission of instructor.

CHEM 4199 Special Topics in Chemistry
A course involving instruction, laboratory, and/or literature searches in one of the traditional chemistry fields depending on student interest and specialty of instructor. The following topics may be chosen/offered Bioinorganic Chemistry, Transition Metal Chemistry, Solid State Chemistry, Advanced Topics in Organic Chemistry, Statistical Mechanics, and Advanced Topics in Analytical Chemistry. May be repeated for credit when topic changes. (Formerly CHEM 4399).
Prerequisites: Senior standing and permission of instructor.

CHEM 4298 Investigations in Chemistry
Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Course may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Junior or senior standing and permission of instructor.

CHEM 4299 Special Topics in Chemistry
A course involving instruction, laboratory, and/or literature searches in one of the traditional chemistry fields depending on student interest and specialty of instructor. The following topics may be chosen/offered Bioinorganic Chemistry, Transition Metal Chemistry, Solid State Chemistry, Advanced Topics in Organic Chemistry, Statistical Mechanics, and Advanced Topics in Analytical Chemistry. May be repeated for credit when topic changes. (Formerly CHEM 4399).
Prerequisites: Senior standing and permission of instructor.

CHEM 4398 Investigations in Chemistry
Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Course may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Junior or senior standing and permission of instructor.

CHEM 4399 Special Topics in Chemistry
A course involving instruction, laboratory, and/or literature searches in one of the traditional chemistry fields depending on student interest and specialty of instructor. The following topics may be chosen/offered Bioinorganic Chemistry, Transition Metal Chemistry, Solid State Chemistry, Advanced Topics in Organic Chemistry, Statistical Mechanics, and Advanced Topics in Analytical Chemistry. May be repeated for credit when topic changes. (Formerly CHEM 4399).
Prerequisites: Senior standing and permission of instructor.

CHEM 4409 Molecular Sys Biol&Chem Gens
A course dedicated to the discussion of current approaches to study "Omics" or systems biology, and the impact of chemical genetics in understanding how to activate or inactivate gene products as a way to determine the cellular function of proteins. The course covers topics at the molecular level, including research in the evolving areas of genomics, proteomics, metabolomics, bioinformatics, microbial systems, and the integration of cell signaling and regulatory networks. Laboratory fee applicable. (Cross-listed with BIOL 4409 and BIOL 5409)
Prerequisites: Permission of instructor.
CHEM 4410 Advanced Environmental Chem
A course that develops quantitative analytical techniques and methods for monitoring and assessing atmospheric chemical phenomena. Geochemical, atmospheric, hydrosphere and biosphere phenomena in the form of toxins and pollutants will be studied. Environmental cleanup technologies and environmental health management will be investigated. Laboratory fee applicable.
Prerequisites: Senior standing.

CHEM 4411 Inorganic Chemistry
This course covers the periodic table and trends within it, focusing on metals, ionic compounds, molecular compounds, organometallic complexes, and coordination complexes. Models of chemical bonding will be compared for each class of substance. Special topics such as biorganic chemistry, nanotechnology and superconductors will be included. Three hours of laboratory per week. Laboratory fee applicable.
Prerequisites: CHEM 1412.

CHEM 4431 Advanced Organic Chemistry I
A course that develops the understanding of organic chemistry through mechanistic theory, chemical synthesis and spectroscopic methods. An emphasis on specific reactions, synthetic methods, and mechanisms of reactions will be investigated. Laboratory fee applicable.
Prerequisites: Senior standing.

CHEM 4451 Polymer Chemistry
A course that develops the understanding of kinetic, synthetic structural and applied aspects of modern polymer chemistry. The course also develops the understanding of polymeric science in industry and materials science and technology. An understanding of mechanistic theory, synthesis using specific reactions and spectroscopic methods of polymers and macromolecules will also be emphasized. Laboratory fee applicable.
Prerequisites: CHEM 2425.

CHEM 4452 Biochemistry II
A detailed study, using primary literature sources, of carbohydrates, amino acids, nucleic acids, and lipid metabolic pathways. Special attention is given to human metabolism in health and disease. Cross-listed with BIOL 4452.
Prerequisites: BIOL 3451 or CHEM 3451 with C or better, or permission of instructor.

CHEM 4498 Investigations in Chemistry
Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Course may be repeated but not to exceed five semester hours for chemistry majors and not to exceed four hours for all other students. Laboratory fee applicable.
Prerequisites: Junior or senior standing and permission of instructor.

CHEM 4499 Special Topics in Chemistry
A course involving instruction, laboratory, and/or literature searches in one of the traditional chemistry fields depending on student interest and specialty of instructor. The following topics may be chosen/offered Bioinorganic Chemistry, Transition Metal Chemistry, Solid State Chemistry, Advanced Topics in Organic Chemistry, Statistical Mechanics, and Advanced Topics in Analytical Chemistry. May be repeated for credit when topic changes. (Formerly CHEM 4399).
Prerequisites: Senior standing and permission of instructor.

CHEM 5451 Adv Surv of Chem&Bio Proc
This course focuses on new trends in the elimination of pollutants involving recently developed methodologies. The course requires extensive knowledge on general and organic chemistry as well as biochemistry.
Prerequisites: Graduate standing and permission of instructor.

Co-requisite Dev. Reading & Writing (CIRW)

CIRW 0330 Co-req Int Read&Write
This course focuses on sentence level structure, effective sentence combining, and cohesive paragraph structure that builds toward a coherent piece of writing of some length. In addition to grammar mechanics, and language usage, this course integrates critical reading and academic writing skills, providing the necessary support for advanced developmental students who are taking entry level freshmen courses as the co-require with CIRW 0330. Students who register for CIRW 0330 must co-register in a designated entry level freshmen course. Students completing this course successfully will earn University credit but not credit toward graduation.
Prerequisites: TSI placement or recommendation of TSI academic advisor.

Co-requisite Developmental Mathematics (CMAT)

CMAT 0314 Co-requisite Dev for MATH 1314
This course focuses on a basic review of mathematical skills, including elementary algebra, mathematical reasoning, functions, graphs, linear inequalities and system of equations, while providing the necessary academic support for advanced developmental students concurrently enrolled in MATH 1314 as the co-require with CMAT 0314. Students who register for CMAT 0314 must co-register in MATH 1314. Students completing CMAT 0314 successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300, TSI placement, or recommendation of TSI academic advisor.

CMAT 0324 Co-requisite Dev for MATH 1324
This course focuses on a basic review of mathematical skills, including elementary algebra, mathematical reasoning, functions, graphs, linear inequalities, system of equations, discounts, finance, mark-ups, investments and statistics, while providing the necessary academic support for advanced developmental students concurrently enrolled in MATH 1324 as the co-require with CMAT 0324. Students who register for CMAT 0324 must co-register in MATH 1324. Students completing CMAT 0324 successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300, TSI placement, or recommendation of TSI academic advisor.
CMAT 0332 Co-requisite Dev for MATH 1332
This course focuses on a basic review of mathematical skills, including number concepts, computation, elementary algebra, mathematical and logical reasoning, while providing the necessary academic support for advanced developmental students concurrently enrolled in MATH 1332 as the co-requisite with CMAT 0332. Students who register for CMAT 0332 must co-register in MATH 1332. Students completing CMAT 0332 successfully will earn University credit but not credit toward graduation. Prerequisites: Successful completion of DMAT 0300, TSI placement, or recommendation of TSI academic advisor.

CMAT 0342 Co-requisite Dev for MATH 1342
This course focuses on a basic review of mathematical skills, including elementary algebra, mathematical reasoning, statistics, probability, and standard deviation, while providing the necessary academic support for advanced developmental students concurrently enrolled in MATH 1342 as the co-requisite with CMAT 0342. Students who register for CMAT 0342 must co-register in MATH 1342. Students completing CMAT 0342 successfully will earn University credit but not credit toward graduation. Prerequisites: Successful completion of DMAT 0300, TSI placement, or recommendation of TSI academic advisor.

Communication (COMM)

COMM 1129 News Publication I
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 1326 or permission of instructor.

COMM 1130 News Publication II
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 1129

COMM 1144 Debate
This course introduces the students to various argumentation techniques. The student will learn basic research skills and methods of cataloging evidence. The student will learn to organize and present ideas in effective communication paradigms. Individual debate and team formats will be demonstrated. College level development of sound arguments and reasoning including the effective incorporation of evidence for the purpose of debate.

COMM 1145 Debate II
Continued development of the skills introduced in Debate I, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university. Prerequisites: Permission of instructor.

COMM 1140 Media Literacy
Media literacy is defined as the ability to read, analyze, and evaluate communication messages in a variety of communication mediums such as newspapers, TV, radio, on-line, podcasts, and blogging. This course discusses the globalization of mass media, intersection of media and government, and the nature of journalism and the issue of media bias. Students will also explore the social and political implications of various media: how media can shape notions of reality, perpetuate or alter stereotypes, and reinforce or undermine cultural barriers.

COMM 1311 Fundamentals of Comm
The course acquaints students with theories of communication and applications thereof in various social, professional, and educational settings. Students study the core contexts within the discipline including but not limited to: intrapersonal, interpersonal, small group, organizational, public speaking, and mass media. Prerequisites: ENGL 1301 or concurrent enrollment. TCCN: SPCH 1311

COMM 1315 Public Speaking
The course acquaints students with public speaking applications thereof in various social, professional, and educational settings. Prerequisites: ENGL 1301 or Concurrent Enrollment TCCN: SPCH 1315

COMM 1326 Journalistic Writing
An introduction to basic journalistic techniques, integrating the practices of news gathering, writing and editing through individual and class projects. In addition, this course will explore many of the common critiques made of news reporting. (Formerly COMM 3326)

COMM 2129 News Publication III
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 1130.

COMM 2130 News Publication IV
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 2129

COMM 2144 Debate III
Continued development of the skills introduced in Debate II, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university. Prerequisites: Permission of instructor.

COMM 2145 Debate IV
Continued development of the skills introduced in Debate III, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university. Prerequisites: Permission of instructor.

COMM 2235 Debate and Argumentation
Theories and practice in argumentation and debate including analysis, reasoning, organization, evidence, and refutation. This course introduces the students to various argumentation techniques. The student will learn basic research skills and methods of cataloging evidence. The student will learn to organize and present ideas in effective communication paradigms. Individual debate and team formats will be demonstrated. College level development of sound arguments and reasoning including the effective incorporation of evidence for the purpose of debate. TCCN: SPCH 2335

COMM 2305 Rhetoric of Popular Culture
The course explores the intersection of rhetorical theory and media imagery. Examines the rhetorical significance of multiple popular mediums of cultural exchange including: television programming, music, film, advertisement, and social media. Prerequisites: COMM 1311 or COMM 1315
COMM 2318 Interpersonal Communication
The course examines the fundamental role of communication in establishing and maintaining personal relationships. By surveying the leading research and theories in interpersonal communication, students explore theoretical perspectives on how individuals enter into, maintain, and terminate relationships. Conceptual perspectives examined will include communicative competence, relational development, interaction process, codes, and context.
TCCN: SPCH 1318

COMM 2324 Practicum in Electronic Media
A studio course for understanding and using communication media technologies. Students will clarify communicative purposes, use appropriate software, as well as plan, produce, edit, and critique compositions. Classes may stress one or more genres, formats, or themes. May be repeated when topic changes with departmental approval.

COMM 2331 Photo I: Intro to Visual Comm
A foundation class in basic photographic tools and techniques used for visual communication. The course examines methods for effective communication using photography. Student work is reviewed and critiqued as to composition, technique, and the ability to communicate the content of the original subject to the reviewer. The 35 mm format and black and white darkroom techniques are required.

COMM 2366 Film Appreciation-WIN
Emphasis on the analysis of the visual and aural aspects of selected motion pictures, dramatic aspects of narrative films, and historical growth and sociological effect of film as an art. Interchangeable with THAR 2366.

COMM 3102 Video Production Lab
Laboratory course to accompany COMM 3202. Must be taken concurrently with COMM 3202.

COMM 3123 Video Editing&Post Prod I Lab
Laboratory course to accompany COMM 3223. Must be taken concurrently with COMM 3223.

COMM 3129 News Publications V
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 2130.

COMM 3130 News Publication VI
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 3129.

COMM 3132 Video Production II Lab
Laboratory course to accompany COMM 3232. Must be taken concurrently with COMM 3232.

COMM 3133 Video Editing&Post Prod Lab
Laboratory course to accompany COMM 3233. Must be taken concurrently with COMM 3233.

COMM 3144 Debate V
Continued development of the skills introduced in Debate IV, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university. Prerequisites: Permission of instructor.

COMM 3145 Debate VI
Continued development of the skills introduced in Debate V, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university. Prerequisites: Permission of instructor.

COMM 3202 Video Production I
Through class and instructor analysis of each student’s idea for a short video, the class will cover pre-production details: initial concepts, synopsis, treatment, script, storyboards, shot list, scheduling, location scouting, and cost. Using screenings and analysis of classic scenes, the choices available to the video maker are discussed in depth with focus on subsequent application. Students will work on individual video projects, and on one 6-10 minute final group project. To be taken concurrently with COMM 3102. Course may be repeated once for credit when topic changes.

COMM 3223 Video Editing and Post Prod I
The course emphasizes the theoretical bases of digital production, trends in publicly distributed media, and the use of computers in digital video production. Included are video standards, video editing applications, and an introduction to post-production use of transitions and special effects. Students will write project proposals and shoot their own video to edit. To be taken concurrently with COMM 3123. Course may be repeated once for credit when topic changes.

COMM 3232 Video Production II
Through exercises and demonstrations, this course will emphasize the craft, aesthetics and content of production as practiced in emerging and traditional formats. Students will continue to explore the classical narrative style as well as take command of experimental and documentary approaches. Specific topics may include the invisible line of action as it applies to three or more players, disrupting continuity, the music video, avant-garde techniques, recording behavior, and re-creating past events. Screenings and individual projects will be an integral part of this course. May be repeated once for credit. To be taken concurrently with Lab COMM 3132. Prerequisites: COMM 3202 or consent of instructor.

COMM 3233 Video Editing and Post-Prod II
Focuses on efficiency in process, output choices, and developing an effects library. Topics may include managing the digital post, preparing final scripts, transitions, segmenting, composing, titles, and special effects. Also included are sound design elements, mixing, overdub and Foley. Students will propose, shoot, and edit several video projects. May be repeated once for credit. To be taken concurrently with Lab COMM 3133. Prerequisites: COMM 3223 and COMM 3123 or consent of instructor.

COMM 3300 Intro to Theo Prin of Comm
Beginning study of the nature, problems, and theories of human communication. Examines issues of meaning, relationship, and community within interpersonal, group, and media contexts. Surveys rhetorical, pragmatic, and interpretive perspectives on the communication process.
COMM 3302 Video Production I
Through class and instructor analysis of each student's idea for a short video, the class will cover pre-production details: initial concepts, synopsis, treatment, script, storyboards, shot list scheduling, location scouting, and cost. Using screenings and analysis of classic scenes, the choices available to the videomaker are discussed in depth with focus on subsequent application. Students will work on individual video projects, and on one 6 - 10 minute final group project. Course fee: $40.00.

COMM 3305 Interpersonal Communication
This course examines the fundamental role of communication in establishing and maintaining personal relationships. By surveying the leading research and theories in interpersonal communication, students explore scholarly perspectives on how individuals enter into, maintain, and terminate relationships. Conceptual perspectives examined will include communicative competence, relational development, interaction process, codes, and context.
Prerequisites: COMM 3300 or concurrent enrollment.

COMM 3307 Health Communication
In depth study of the central issues, topics, theories, and perspectives relating to health studies, health education, and communication. Surveys rhetorical, pragmatic, and interpretative, and contextual perspectives of communications processes that influence health care practices.

COMM 3308 Intercultural Communication
This course provides students with an introductory knowledge base for examining constructions of culture. Course discussions will focus upon intercultural interactions, intercultural barriers, cultural perspectives, cultural adaptations, identity constructions and the greater social, political, philosophical, relational, and economic contexts that shape these concepts.

COMM 3309 Special Topics in Comm
Examines different communications topics including research underpinnings and everyday applications. May be repeated for credit when topic changes.
Prerequisites: A minimum of 9 SCH in Communication courses or consent of instructor.

COMM 3310 Methods of Inquiry: Quant Rsch
This course will provide an introduction to formulating and answering questions in the field of communication using social science research methods. Course topics will range from developing social scientific research questions and hypotheses to analyses of data.

COMM 3311 Advanced Public Speaking
The course serves to extend and develop presentational skills. It compares forms of reasoning and methods of message rehearsal. Students will write about and discuss their experiences as speakers and audience members.
Prerequisites: COMM 1311 or COMM 1315.

COMM 3312 Methods of Inquiry: Qual Rsch
This course introduces students to qualitative research and prepares them in the approaches, skills, and techniques necessary to conduct research using this methodology.

COMM 3320 Teamwork and Communication
Development of communication skills in the context of teams in organizational and professional settings. Students study the nature of effective teamwork, group process, problem solving, and leadership.

COMM 3321 Political Communication
This course will provide an introduction to understanding and answering questions in the field of political communication. This course will investigate how political communication is structured by the media and used by people. The course also will explore how news media functions in a democratic system. Special emphasis will be placed on investigating how the media shapes, and is shaped by, public opinion. Theoretical and empirical research from political science, social psychology, and mass communication will be discussed.

COMM 3322 Public Relations
An introduction to communication between corporations, smaller businesses, non-profit organizations and government and human service agencies and their internal and external publics with particular attention to the uses of media. The course simulates public relations and management situations using case studies.

COMM 3323 Public Relations Campaigns
This course offers practical application of public relations in solving a variety of organizational communication challenges and opportunities. It will integrate theory, techniques and research methods in the planning and execution of public relations projects, programs and/or campaigns for one or more specific organizations. The objectives, planning, staffing, budgeting, implementation, and evaluation of public relations programs will be emphasized.

COMM 3324 Film Studies
This course explores how meaning is structured and perceived in the moving images, film and video. Drawing heavily on a wide array of historical and contemporary examples this course examines the many expressive strategies potentially usable in the creation of moving image art forms: iconography, editing, composition, sound, narrative, discourse, and performance. Topics may include: three visionary filmmakers, three genres, significant film movements, and international cinema. Screening lab required. Course may be repeated for credit when topics vary. This course is open to all students for credit.

COMM 3325 Mass Communication Processes
A comprehensive survey of the contemporary media of mass communication and an investigation of their influence on social, political, and economic change. This course will also offer material on the origins and historical development of print and broadcast media.

COMM 3326 Film History
Students will study the major industrial, technological, aesthetic, and cultural developments in motion picture history. Topics may include the invention of motion pictures, the establishment of a film industry and audience, the narrativization of film, developments in the use of cinematic technique, the establishment of national cinemas, the idea of film as art, and technological innovation.

COMM 3327 Media Writing
This course introduces students to some of the different writing techniques and styles used by print, broadcast and other forms of mass media. Students will develop a multiple range of skills including but not limited to skills in information gathering, interviewing, and organizing data. Course instruction allows for multiple focal points of discussion including but not limited to: News Writing, Broadcast Writing, Print Writing, Copy Writing and Script Writing. May be taken up to three times.
COMM 3328 Adv Journalistic Writing
A continuation of journalistic techniques, integrating the practices of news gathering, writing, editing, and revising through individual projects. Students will be required to produce publishable work of considerable depth and sophistication. Stories, features, and opinion pieces can be based on students’ areas of interest and/or major fields. May be taken up to two times.
Prerequisites: COMM 1326 and approval of instructor.

COMM 3329 Fundamentals of Advertising
This course explores the fundamentals of advertising and the basic theories and principles used in developing advertising. Learn how advertisers and agencies develop an advertisement or ad campaign, the visuals and messages to include in the ad, where and when the ad or campaign should run, and why. Topics include typical jobs in advertising and the basic duties associated with each job, advertising history, and ethical considerations. This course will also focus on advertising strategies for Hispanic markets.

COMM 3330 Nonverbal Communication
An introduction to the dynamics of nonverbal behavior through exploration of scholarly research, application of practical theory, and analysis of sociocultural variables to foster a deeper appreciation and greater understanding of nonverbal messages across social contexts.

COMM 3331 Photography II: Intro to Photo
Introduction to the photographic techniques, tools and content issues in visual communication for publications. The emphasis will be on using the photographic medium to communicate ideas, information, and emotions. Color and digital technology will be introduced, as well as an examination of sequential imaging as used in the photographic narrative form the picture story. Course may be repeated for credit when topics vary. Prerequisite/ Recommendation that student has own single-lens-reflex camera and 35 mm lens.
Corequisites: COMM 2331 or ARTS 2356, or consent of instructor.

COMM 3332 Broadcasting Production I
This course introduces the foundations of broadcasting production, including the production process, the role of crew members, the use of production equipment and facilities, and the production techniques that are used in the creation of television and radio programs. This introductory course requires an in-depth understanding of broadcasting production skills, including pitching, scripting, casting, directing, lighting, staging, and editing.

COMM 3333 Broadcasting Production II
This course requires the application of broadcasting production skills to create quality media projects. This advanced hands-on production course emphasizes the aesthetic creativity, technical proficiency, and the communication competency required to become a broadcasting producer, director, or editor. Course exercises are designed for students to create talk shows, news programming, commercials, and narrative dramas in a multi-camera television studio and on-location settings, and to solve various problems in the production process.

COMM 3334 Visual Communication
An exploration of the visual dimensions of communication, including elements of graphic design, the visual representation of data, and emerging literacies associated with television and computer interfaces. May include individual and class projects in digital magazine and newspaper layout. Web page design, and presentation graphics.

COMM 3335 Social Media and Communication
This course will introduce students to various forms of social media and how to use them for communication strategies.

COMM 3337 Storytelling for Video Games
Storytelling for Video Games is an introductory course that examines the key storytelling aspects for narrative game design: introduction and history of games, worldbuilding, character development, Storytelling & Mythic Structure, and Interactive Dialogue. The focus for the final project is on learning how to write branching story arcs in interactive storytelling design. Students will purchase a computer game, complete with a game engine, and create a computer game adventure with characters of their own design. The game level will include interactive narrative written by the students.

COMM 3338 Travel Photography
This course focuses on the practical application of visual communication skills used for storytelling and documentary purposes as utilized by travel books, magazines, websites, and related publications. The course examines methods for effective communication using photography as it relates to documenting other cultures: people, cuisine, scenery, architecture, wildlife, etc. Student work is reviewed and critiqued as to composition, technique, and the ability to communicate the content of the original subject to the reviewer. Students will need to bring their own 35 mm format digital SLR camera. Laptops installed with Adobe Photoshop or other photographic editing software will also be necessary. Students will utilize social media, such as Instagram, Facebook, and Flickr, to display images during the trip and collectively create a travel photography book following the trip. This course is only offered during a Study Abroad Program and includes a look at the history of photography and famous photographers from the destination. The experience will be completely different each time, since we’re possibly going to different countries each time. May be repeated when topic changes.

COMM 4129 News Publication VII
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 3130

COMM 4130 News Publication VIII
Students are required to work on the staff of at least one of the official university publications as prescribed under faculty supervision. Prerequisites: COMM 4129.

COMM 4144 Debate VII
Continued development of the skills introduced in Debate VI, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university.
Prerequisites: Permission of instructor.

COMM 4145 Debate VIII
Continued development of the skills introduced in Debate VII, this course requires active participation in mock debates and individual performance, and for selected students, participation in competitive debates as representatives of the university.
Prerequisites: Permission of instructor.
COMM 4311 Media and Behavior
This class will examine the ways in which individual consumers, society and various forms of media interact. Outcomes related to advertising effects, criminal behavior, sexuality and racial prejudice will be covered. (Cross-listed with PSYC 4311 and CRIJ 4324).
Prerequisites: ANTH 2346 or COMM 1311 or CRIJ 1301 or PSYC 2301 or SOCI 1301.

COMM 4320 Trends in International Comm
This course is an intensive study of the interdependent relationship between mass and digital communication and culture in an international context. Students will examine conceptual and experiential problems that affect media communication across physical and cultural boundaries including problems of interpreting and evaluating different cultural values, world views, international media conglomerates, cultural imperialism, nationalism, information flow, and the effects of globalization.

COMM 4323 Communication Law
An overview and analysis of common legal issues in public communication. May include considerations relevant to print journalism, namely libel, invasion of privacy, censorship, questionable news gathering techniques and other First Amendment topics, as well as current legal problems in the television and radio broadcast industries.

COMM 4324 Comparative Journalism
Students will be engaged in a comprehensive study of the state of Latin American journalism practices, mainstream American journalism practices and ethnic Hispanic-oriented media in the United States. The focus is on traditional/new media outlets and news wires during election periods as well as journalistic freedoms and censorship, presidential elections, political news and advertisements, and international news reporting. This course is writing and research intensive and will primarily be taught in English though students will be reading media examples written in Spanish. Prerequisite SPAN 3300 or permission of the instructor.

COMM 4325 Organizational Communication
Overview of research and theory in organizational communication. Examines internal processes of socialization, group decision-making and influence as well as external communication such as public relations, issue management and corporate advocacy. Emphasis on analysis or organizational communication problems.

COMM 4328 Digital Publication Design
This course examines the design of magazines, newspapers, ‘zines, and other serial forms of publication as a communication media.

COMM 4329 Digital Communication Design
This course introduces students to the skills, techniques, and development of digital communication design concepts in advertising.

COMM 4330 Special Issues in Comm
Course provides intensive study of diverse and relevant specialized subjects and topics in communication. Subjects may focus on various trends, methodologies, research, measurements, and analysis within the field. Course may be repeated for credit when topic changes.

COMM 4331 Broadcast Journalism
This course requires the application of journalistic principles and production skills to produce broadcast and digital news stories. This advanced hands-on production course emphasizes practical skills, including newsgathering, journalistic writing, interviewing, directing, and hands-on camera operating and editing. Course exercises are designed for students to create news programming in a multi-camera television studio and on-location settings and to deal with ethical and technical challenges in the production process.
Prerequisites: COMM 1326, COMM 2324, COMM 2331, COMM 3202, COMM 3232, COMM 3327, COMM 3328, COMM 3332, or COMM 3333

COMM 4340 Communication Ethics
The course asks how we make ethical judgements about communication practices: How do we recognize lies and decide when lying might be ethical? What other breaches of civility do we shun in the ways people speak and listen? What would be a reasonable ethic for professional and personal communication? How can we ethically communicate with people of other cultures?

COMM 4345 Advanced UG Research
This class is designed to offer students with a specific interest in developing social scientific and humanistic research skills in communication studies the opportunity to work with one or more Communication faculty members on directed research projects. The primary instructional activity in this course will be individualized research opportunities provided by faculty members. Every student will work with a single faculty mentor to help gain exposure to research methods through active involvement in ongoing research projects.
Prerequisites: COMM 3310 or 3312, and Junior or Senior Standing.

COMM 4350 Internship
Application of concepts through participation in communities, institutions, agencies, schools, or businesses. Supervision by faculty and sponsoring organizations. Includes interpretive journal, summary paper and presentation. Those students enrolled in the Communication/Spanish degree will intern at Spanish-speaking organizations. Evaluation of performance in this course is on CR/NC basis. May be repeated for credit.
Prerequisites: A completed and approved Internship Agreement.

COMM 4360 Comm Theory&Practice
Synthesis and integration of theory with communication practices and problems that students have encountered through work and life experiences. Students will learn how theory applies to our everyday life and helps us become more competent communicators. Culmination of this course is a senior thesis paper for senior portfolio.
Prerequisites: Senior Standing or consent of instructor

COMM 5199 Thesis II
This course is designed to be the final step towards the successful completion of the Communication thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, COMM 5398: Thesis I, and permission of major instructor/advisor.
COMM 5301 Communication Theories
The course provides a survey and critical examination of the main theoretical approaches in the fields of mass, international and organizational communication. The course is intended to acquaint students with the conceptual foundations and epistemological bases of the three basic areas available in the graduate program in communication.

COMM 5302 Quant Research Methods in Comm
This course introduces the sociological and behavioristic approaches to communication research. It will examine the fundamental epistemologies, design, methods, and data analysis in quantitative communication research. Students will learn, demonstrate and apply course concepts by analyzing texts and conducting research.

COMM 5303 Qualitative Rsrch Mthds inComm
This course introduces the humanistic approaches to communication research. It will examine the fundamental epistemologies, design, methods, and data analysis in communication research. The goal is for students to learn and apply course concepts by analyzing texts and conducting research projects.

Prerequisites: Graduate standing.

COMM 5310 Media, Cult&Ident US-MX Border
This course critically examines the relationship between mass media, culture, and society in the context of the Mexican and United States border. It looks at the impact of the border culture on media, particularly focusing on the historical and political economic influences on media organizations. It will also study the impact of media on border society and media’s role in the reinforcement and transformation of a border cultural identity.

COMM 5311 Border Journalism
The course focuses on the main theoretical, social and technical aspects of news production and reporting in the border region between Mexico and the United States. It discusses and analyzes the peculiarities and challenges the geographical, political and cultural context impose on the topics, processed, values and routines of newsgathering and in the patterns of news consumption by residents on both sides of the border.

COMM 5312 Mexican & Latino Cinema
Course offers a critical examination of cinema from Mexico and throughout Latin America relating to Latino cultural experiences. Emphasis will be on those films that educate viewers about Latino encounters with majority and minority cultures within Latin America. The goal of the course is to analyze these films as works of art as relevant films that stand on their own in film history and contemporary cinema and to discuss these films as cultural, historical, political, and economic products that characterize and reveal aspects, sensibilities and points of view from the represented nations and regions.

COMM 5313 Ethno & Doc Prod in Border Rgn
This course will develop students’ critical skills of film analysis through the practical application and experience of creating a film and manipulating digital media and equipment. The course will introduce and prepare students to use digital media as a tool in research, and as a method of presenting research outcomes. While the aims are primarily to enable students to acquire and apply practical skills, by doing so this course contributes to their formation as ethnographers in the Border region. It demystifies the process of digital filmmaking, and opens new ways of reading and understanding visual ethnographies (particularly documentary and ethnographic film).

Prerequisites: Graduate Standing.

COMM 5314 Latina/o Communication Studies
This course is focused on the study of the people that comprise the category of Latinx in the United States and the communication processes surrounding them. We will approach our study from a critical perspective. This means utilizing the term Latina/o/x as a jumping off point to our discussions, rather than a fixed essential racial category in a multi-cultural society. We will use Latina/o/x communication studies as a means to understand contemporary racial formation and the practices of communication & media which sustain it. Throughout the course we will discuss various aspects of how Latina/o/x populations communicate and are communicated about. These issues include politics, food, health, education, and immigration.

COMM 5315 Digital Borders and Bridges
This course is focused on the role the Internet and digital technologies play in reifying difference among peoples and nations while simultaneously deconstructing long standing barriers between entertainment and politics, the personal and social, genres, and various ontological and epistemological divides. The course uses the symbol of the border/bridge as a metaphor for understanding the changes in global society seen since the 21st century. Specifically, we consider how the border/bridge is metaphorically emergent in technologies of surveillance, data collection, and algorithmic platforms via mechanisms of control and obligatory passage points. We also consider the implications of the post-modern blurring of culture and politics on contemporary society in moments of climate crisis, mass migration, and reactionary movements around the world.

Prerequisites: Graduate Standing

COMM 5320 Media Flows & Audiences
The course explores the exchange of audiovisual media flows and the patterns of consumption and appropriation of foreign and national media contents in the American continent. It discusses the impact of international treaties and historical, political and economic relationships between countries in the Americas have had in the Inter-American supply and consumption of media products.

COMM 5321 Political Comm in a Comp Persp
The course analyzes the relevance of political communication in an increasingly interconnected and interdependent American Hemisphere, discussing the impact of media on elections, on governments and on the development of foreign policy in the United States, Canada and Latin America. The course studies the spread of U.S. political marketing and political communication in Latin American countries and the consequences and challenges posed in them by the new fundamental role played by media in the political arena.
COMM 5329 Topics: Border & Latin America
This course provides intensive study of diverse and relevant specialized subjects and topics within the study of Latin America, Latino (a), and Border Media Studies. Course allows graduate students to focus on contemporary and pressing topics, trends, methodologies, research, measurements, and analysis within the field. Course may be repeated for credit when topic changes. Students will be expected to critically read and analyze texts related to subject area as well as develop original research projects.

COMM 5330 Organizational Communication
This course introduces and applies theoretical and research-based literature in organizational communication. The goal is for students to learn and apply the underpinnings of organizational communication literature to organizational situations by critically reading and analyzing texts and developing research projects.
Prerequisites: Graduate standing.

COMM 5331 Intercultural Training in Org
This course focuses on intercultural understanding and that cultural competence skill development is increasingly important across industries in our global communities. Global workforces are rich with multicultural, multi-ethnic, and multi lingual diversity. Inherent in this diversity is a network of cultural traditions, values, and communication styles. Thus, there is a need for intercultural and diversity training in the corporate world, the nonprofit world, and in education and communication, training. Management experts need to gain a deeper understanding of these diverse values and communication styles in order to work effectively with and train colleagues and clients. This course will illustrate intercultural concepts and processes that require training, including culture shock and adaptation, cultural dialectics, expatriate/repatriation, self-reflexivity, etc. You will practice the tools and skills you need to train on these concepts, including conducting needs assessments, defining learning outcomes, and designing and facilitating intercultural training.

COMM 5332 Managing Org Conflict
This course examines conflict by recognizing that it is a reoccurring part of life in business, government, and nonprofit organizations. It is a product of human existence and diversity in an interrelated society. The costs associated with these conflicts are well documented. Organizations are increasingly recognizing that conflict does not have to carry costly financial and interpersonal burdens and can, in fact, serve as a productive change agent. Students in this course explore the nature and sources of organizational conflict and facilitate development of practical skills to recognize and manage workplace conflict using case studies, interactive lectures, simulations, and field research. Students are introduced to the concept of conflict coaching. This course is well-suited for managers and leaders in any profession who want to increase their interpersonal capability and enhance their value in organizations.

COMM 5333 Org. Culture, Climate & Comm
This course examines the relationship between organizational culture and communication and discusses the components of a supportive communication climate. It will also examine case studies and academic research to undertake issues and complications relevant to sustaining and enriching supportive communication practices. The goal is for students to learn, demonstrate, and apply course concepts by analyzing academic literature and conducting research projects.

COMM 5334 Advertising
This course considers advertising theory and practice and reviews application of theory to advertising, promotion, and media selection strategies. The course requires development of an advertising plan, media selection rationales, evaluation of selected campaigns, and use of advertising media research techniques.

COMM 5335 Group/Team Dynamics
This course focuses on the notion that effective group/team processes are invaluable to every organization. Ensuring productive and satisfying group interactional outcomes in organizational, professional and personal settings can be difficult. Focusing upon theory, application and practice of small group processes including development of group dynamics, group leadership and teams, students incorporate new skills, enhance productivity, and reduce barriers to effective communication in groups and teams.

COMM 5336 Ethical Issues in Org
The course examines ethical questions that directly affect how organizations communicate and what they choose to relay and omit to their various audiences. Organizational women and men are compelled to make ethical decisions when they communicate. Proponents of strategic ambiguity in and for organizations have been confronted and countered by other theorists who reject ambiguity as a euphemism for lying. Analyzes cases and academic studies that reflect how ethical and unethical communication affected the fortunes of organizations. Analyzes and evaluates the practical values of ethical yardsticks.

COMM 5337 Leadership Communication
The course will use a variety of learning methods. In the threaded discussion area, course concepts will be discussed and students will be invited to offer their own experiences, personal and professional backgrounds, and points of view. Since leadership is enacted through communication, the focus on concepts such as persuasion and charisma will be highlighted. Critical thinking will be developed through class discussion and assignments that require "out of the box" thinking. Logical thinking and critical analysis are essential, this course attempts to develop these skills through the examination and application of organizational, persuasion, interpersonal and mass communication theories. The scientific method will be addressed through testing and retesting of theoretical models to assess validity and reliability.

COMM 5339 Topics: Organizational Comm
The course will introduce graduate students to contemporary and pressing topics within the study of the organizational communications, including trends, methodologies, and research methods. Students will be expected to critically read and analyze texts related to the subject area as well as develop original research projects.

COMM 5398 Thesis I
This course is designed to be the first step towards the successful completion of the Communication thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on a draft. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of 24 SCH, and permission of major instructor/advisor.
COMM 5399 Thesis II
This course is designed to be the final step towards the successful completion of the Communication thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, COMM 5398: Thesis I, and permission of major instructor/advisor.

COMM 5699 Thesis II
This course is designed to be the final step towards the successful completion of the Communication thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, COMM 5398: Thesis I, and permission of major instructor/advisor.

COMM 5999 Thesis II
This course is designed to be the final step towards the successful completion of the Communication thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, COMM 5398: Thesis I, and permission of major instructor/advisor.

Communication Disorders (CSDO)

CSDO 2305 Intro to Comm Disorders
This course is designed to provide students with an overview of the various types of communication disorders, their etiologies, identification and basic intervention procedures. The course also introduces acoustic, physiological, production, and perceptual processes underlying human communication. Must be taken concurrently with CSDO 2306.

CSDO 2306 Clinical Writing in Comm Disor
The course is designed to expose and provide opportunities for students to develop the skills and techniques required to complete clinical documentation in the field of communication science disorders. Must be taken concurrently with CSDO 2305.

CSDO 3122 Obs in Speech Lang Pathology
This course is designed to provide exposure to speech language pathology in various settings, analysis of client assessment and treatment profiles and journal research. Prerequisites: Admitted to the CSDO program and in good standing in the College of Education, CSDO 3321 and advisor approval.

CSDO 3226 Clin Prac in Spch Lan Path-WIN
This course is designed to provide clinical experiences in speech-language pathology under direct supervision. Clinical experiences will be offered at the TAMU Communication Disorders Center. Prerequisites: CSDO 3122 and one course from CSDO 4321, CSDO 4333 or CSDO 4335.

CSDO 3305 Intro to Comm Disorders
This course is designed to acquaint the prospective communication disorders, education, and public services majors with the various types of communication disorders, their etiologies, identification and basic intervention procedures. The course also introduces acoustic, physiological, production, and perceptual processes underlying human communication.

CSDO 3314 Neuroanatomy in Comm Disorders
An introduction to the identification and description of the basic anatomical information concerning neurologic subsystems as they pertain to speech-language and hearing functions and the ways in which these systems can be damaged resulting in communication disorders. Must be taken concurrently with CSDO 3322, CSDO 3335, CSDO 3336, and CSDO 3413. Prerequisites: Admitted to the CSDO program, CSDO 3320, CSDO 3321, CSDO 3325, CSDO 3331, and CSDO 3333.

CSDO 3320 Intro to Research in CSDO- WIN
This course provides an introduction to research design in communication sciences and disorders. Students will develop an understanding of research methods, data collection and analysis and the professional writing skills required for research dissemination. Must be taken concurrently with CSDO 3321, CSDO 3325, CSDO 3331, and CSDO 3333. Prerequisites: Admitted to the CSDO program and CSDO 2305 and 2306.

CSDO 3321 Anat&Phys of Spch&Hrng Mech
This course focuses on the major anatomical structures and physiological systems that support speech production. Specific emphasis is placed on the unique neuromuscular adaptations and species-specific behaviors associated with speech production. Must be taken concurrently with CSDO 3320, CSDO 3325, CSDO 3331, and CSDO 3333. Prerequisites: Admitted to the CSDO program, CSDO 2305 and 2306.

CSDO 3322 Clinical Observation Practicum
This course focuses on issues in ethics, licensure, certification, and professional practice in communication disorders. Through direct observation of a certified speech-language pathologist students will be introduced to the clinical professional practice role. The course has both theoretical and clinical/lab components. To fulfill the lab component a minimum of 25 hours of direct observation as required for the Texas State Licensure and/or ASHA certification must be completed. The course is 1 hour of theory and 2 hours of lab/clock time per week. Must be taken concurrently with CSDO 3335, CSDO 3336, CSDO 3413, and CSDO 3414. Prerequisites: Admitted to the CSDO program, CSDO 2305, CSDO 3326, CSDO 3331, and CSDO 3333.

CSDO 3325 Phonetics
This course is designed to provide the student with information related to phonetics, phonology and transcription. There is an emphasis in classification and phonetics of English Phonemes utilizing the International Phonetic Alphabet (IPA), diacritical markings and phonological processes. Must be taken concurrently with CSDO 3320, CSDO 3321, CSDO 3331, and CSDO 3333. Prerequisites: Admitted to the CSDO program, CSDO 2305 and CSDO 2306.
CSDO 3331 Speech and Hearing Science
This course is designed to introduce the student to the scientific underpinnings of communication sciences and disorders. Must be taken concurrently with CSDO 3320, CSDO 3321, CSDO 3325, and CSDO 3333. Prerequisites: Admitted to the CSDO program, CSDO 2305 and CSDO 2306.

CSDO 3333 Normal Lang Acquisition
This course is the study of speech and language acquisition. The relationship between language, sensory, and motor development is also presented. Must be taken concurrently with CSDO 3320, CSDO 3321, CSDO 3325, and CSDO 3331. Prerequisites: Admitted to the CSDO program, CSDO 2305 and CSDO 2306.

CSDO 3335 Lang&Lit Disorders in Children
This course is designed to introduce the student to the identification, analysis, and remediation of language and literacy disorders among monolingual and bilingual children. Must be taken concurrently with CSDO 3322, CSDO 3325, CSDO 3333, and CSDO 3335. Prerequisites: Admitted to the CSDO program, CSDO 2305 and CSDO 2306.

CSDO 3336 Speech Sounds Disorders
This course is designed to introduce the student to the identification, analysis, and remediation of phonologic and articulation disorders of speech. The course introduces the student to these disorders in both the monolingual and bilingual child. Must be taken concurrently with CSDO 3322, CSDO 3325, CSDO 3333, and CSDO 3336. Prerequisites: Admitted to the CSDO program, CSDO 2305 and CSDO 2306.

CSDO 3341 Introduction to Audiology
This course provides an introduction to the diagnostic procedures for evaluation of auditory disorders, theoretical concepts, and clinical applications. (3 Theory/1 Lab; lab is a total of 14 clock hours). Must be taken concurrently with CSDO 3322, CSDO 3325, CSDO 3333, and CSDO 3336. Prerequisites: Admitted to the CSDO program, CSDO 2305 and CSDO 2306.

CSDO 4126 Clinical Prac Speech Lang Path
Administration of speech/language therapy and diagnostic evaluation under direct supervision. Clinical experiences will be offered at the TAMU Communication Disorders Clinic. Focus topics will be on cultural diversity and effective communication skills for professional interaction. Prerequisites: Admitted to the CSDO program and in good standing in the College of Education, CSDO 4126, CSDO 4313, CSDO 4320; and CSDO 3325 or CSDO 4333.

CSDO 4299 Topics in Comm Disorders
This course examines current topics in the field of communication sciences and disorders. May be repeated once when topic changes. Prerequisites: Admission to the College of Education and the Communication Disorders program.

CSDO 4226 Adv Clin Prac Spch Lng Path
Administration of speech/language therapy and diagnostic evaluation under direct supervision. Clinical experiences will be offered at the TAMU Communication Disorders Clinic. Focus topics will be on cultural diversity and effective communication skills for professional interaction. Prerequisites: Admitted to the CSDO program and in good standing in the College of Education, CSDO 4126, CSDO 4313, CSDO 4320; and CSDO 3325 or CSDO 4333.

CSDO 4300 Multi Ctrl-Lingu Trends in CD
This course is designed to provide students with advanced concepts and theoretical knowledge of acquaint students with typical and atypical speech and language development of culturally and linguistically diverse populations. Focus will be on advanced assessment and intervention of culturally diverse population. This unique population. Differential diagnosis of communication disorders vs. differences will be emphasized. Must be taken concurrently with CSDO 4318, CSDO 4319, CSDO 4320, and CSDO 4426. Prerequisites: Admitted to the CSDO program, CSDO 3222, CSDO 3335, CSDO 3336, CSDO 3413 and CSDO 3414.

CSDO 4313 Introduction to Audiology
This course provides an introduction to the diagnostic procedures for evaluation of auditory disorders, theoretical concepts, and clinical applications. Prerequisites: Admitted to the CSDO program and in good standing in the College of Education, CSDO 3122, CSDO 3331, CSDO 4321, and CSDO 4330.

CSDO 4318 Advanced Audiology
Advanced discussion of clinical cases and issues related to clinical audiology. Clinical application of patient assessment; including clinical observation, interaction with related professions, and supervised patient care involving hearing screening and diagnostics. This course has both theoretical and clinical components 2 hours theory and 1 hour lab. Must be taken concurrently with CSDO 4319, CSDO 4320, CSDO 4330, and CSDO 4426. Prerequisites: Admitted to the CSDO program and CSDO 3222, CSDO 3335, CSDO 3336, CSDO 3413, and CSDO 3414.

CSDO 4319 Fluency Disorders
This course focuses on the etiology and characteristics of fluency disorders. Evidence-based prevention, assessment, and treatment of fluency disorders in children and adults will be discussed. Must be taken concurrently with CSDO 4318, CSDO 4320, CSDO 4330, and CSDO 4426. Prerequisites: Admitted to the CSDO program, CSDO 3222, CSDO 3335, CSDO 3336, CSDO 3413, and CSDO 3414.
CSDO 4320 Diag&Eval Speech Lang Path
This course will focus on the philosophy, planning, and implementation of speech-language pathology evaluation and diagnosis. Norm referenced and criterion referenced evaluative measures will be discussed. Philosophy and structure of the diagnostic procedure as it relates to the educational and medical models will be covered as well as clinical decision making. Interpretation of validity and reliability of testing measures will be introduced to the student. Must be taken concurrently with CSDO 4318, CSDO 4319, CSDO 4330, and CSDO 4426.
Prerequisites: Admitted to the CSDO program, CSDO 3222, CSDO 3335, CSDO 3336, CSDO 3413, and CSDO 3414.

CSDO 4330 Voice & Resonance Disorders
This course focuses on etiology, characteristics, assessment, treatment and prevention of voice disorders. Communication disorders relating to the dysfunction of the phonatory and the resonance systems will be discussed in depth. Must be taken concurrently with CSDO 4318, CSDO 4319, CSDO 4320, and CSDO 4426.
Prerequisites: Admitted to the CSDO program and in good standing in the College of Education, CSDO 3321; and CSDO 3325 or CSDO 4333.

CSDO 4333 Normal Lang Acquisition
This course is the study of verbal speech and language acquisition throughout the lifespan. The relationship between language, sensory, and motor development is also presented.
Prerequisites: Admitted to the CSDO program and in good standing in the College of Education, CSDO 3122, CSDO 3331, CSDO 4321, CSDO 4330, or departmental approval.

CSDO 4335 Language Disorders in Children
This course is designed to introduce the student to the identification, analysis, and remediation of language disorders in children. The course introduces the student to these disorders in both the monolingual and bilingual individual. Both developmental and acquired disorders of the language system are introduced.
Prerequisites: Admitted to the CSDO program and in good standing in the College of Education, CSDO 3321; and CSDO 3325 or CSDO 4333.

CSDO 4336 Adult Neuro&Lang Disorders
This course introduces two of the major classifications of adult speech and language disorders. The course will cover acquired disorders including dementia, aphasia, and language components of diseases in the adult population. Theories of etiology, neuropathology and intervention strategies will be covered.
Prerequisites: Admitted to the CSDO program and in good standing in the College of Education, CSDO 4126, CSDO 4313, CSDO 4320; and CSDO 3325 or CSDO 4333.

CSDO 4337 Foundations of Aural Rehab
This course introduces theoretical and applied aspects of aural (re)habilitation in children and adults. Topics covered will include the effects of hearing loss, models for assessment, and models for intervention. Materials will be primarily presented in lecture formats and reinforced by in-class activities and discussions. Must be taken concurrently with CSDO 4300, CSDO 4336, and CSDO 4438.
Prerequisites: Admitted to the CSDO program, CSDO 4318, CSDO 4319, CSDO 4320, CSDO 4330, and CSDO 4426.

CSDO 4339 Topics in Comm Disorders
This course examines current topics in the field of communication sciences and disorders. May be repeated once when topic changes.
Prerequisites: Admission to the College of Education and the Communication Disorders program.

CSDO 4426 Clin Prac in Comm Disorders
Introduction to analysis of clinical professional practices in communication sciences and disorders. Included in the theoretical portion of the class is professional ethics, scope of practice, and the influence of cultural diversity in the application of skills related to professional interaction with clients. This course includes clinical practicum focused on the initial implementation of clinical practice skills. The course is 3 hours of theory and 1 hour lab/clock time. Must be taken concurrently with CSDO 4318, CSDO 4319, CSDO 4320, and CSDO 4330.
Prerequisites: CSDO 3222, CSDO 3335, CSDO 3336, CSDO 3413, CSDO 3414.

CSDO 4436 Neurogenic Sp-Lang Disorders
This course addresses the most current information on assessment and clinical application of language and cognitive communication and the possibilities for variations in clinical presentations evidenced by diverse patient populations in disorders including apraxia of speech, dementia, aphasia, and other language components. Included in this course is a clinical learning experience related to the geriatric population. (Lab is a total of 14 hours). Must be taken concurrently with CSDO 4300, CSDO 4337, and CSDO 4438.
Prerequisites: Admitted to the CSDO program, CSDO 4318, CSDO 4319, CSDO 4320, and CSDO 4330.

CSDO 4438 Adv Clin Prac in CSDO
This course focuses on advanced clinical professional practices in communication disorders with an emphasis on professional ethics and scope of practice. Cultural diversity as it applies to characteristics, assessment, treatment and prevention of communication disorders is emphasized. This course includes a clinical practicum focusing on advancing students understanding and implementation of clinical practice skills. The course is 3 hours theory and 1 hour lab (total of 14 clock hours). Must be taken concurrently with CSDO 4300, CSDO 4336, and CSDO 4437.
Prerequisites: CSDO 4318, CSDO 4319, CSDO 4320, CSDO 4330, and CSDO 4426.
CSDO 5301 Research Communication Sciences and Disorders
This course is designed to encourage students to become researchers in the field of speech/language pathology. The student will analyze research in the content areas of speech, language, and hearing. An overview of both basic and applied research in the field of speech/language pathology will be presented to the class. The course is designed so that the student will complete and present an initial research project in the field of communication sciences and disorders. There will be an emphasis on evaluation of information.

CSDO 5305 Language Disorders in Adults
An in-depth study of adult language disorders associated with neuromotor dysfunction and brain injury. Includes diagnostic appraisal and intervention strategies for these disorders.

CSDO 5306 Language and Disability in Childhood
This course discusses the communication and language issues posed by individuals with Autism spectrum. This includes intervention strategies for individuals having the entire range of disabilities caused by Autism Spectrum Disorders including programs which are currently used to assist those individuals through the life span.
Prerequisites: Graduate standing.

CSDO 5307 Augmentative and Alternative Communication
This course discusses communication intervention and methodologies for individuals with severe to profound oral communication disorders. The course discusses both low and high technology interventions for children and adults who do not have the facility for verbal communication.
Prerequisites: Graduate standing.

CSDO 5310 Assessment of Culturally and Linguistically Diverse Populations
The study and application of current assessment methodologies, specific testing instruments, and techniques for the various communication disorders specific to culturally and linguistically diverse populations.

CSDO 5311 Clinical Practice of Speech/Language Pathology
The purpose of the course is to provide students with a minimum 350-hour training experience with persons with communication disorders in a pre-approved agency or clinical setting. Under the direct supervision of an affiliated speech-language pathologist or audiologist with certification from the American-Speech-Language Hearing Association (ASHA) and a license to practice in the state of Texas, first and second year CD graduate clinicians will provide diagnostic and therapeutic services to children and adults with communication disorders. The graduate practicum experience occurs in off-site locations such as public and private schools, health care settings, private practice settings, group homes and sheltered workshops, neonatal intensive care units, preschools, day care centers, community and state agencies, correctional institutions, and corporate and industrial settings.

CSDO 5312 Seminar in Speech/Language Pathology
The study of principles, methods and procedures for speech-language theory, assessment and/or intervention. Subject matter varies from semester to semester, so that specific communication problems may be studied in depth. The course may be repeated for credit when the subject matter changes.

Comparative Literature (COMP)

COMP 5301 Theory and Method of Comparative Literature
The course provides the theoretical and methodological tools for the comparative study of literary texts. It covers the major schools of theory and criticism with special attention to methods and problems in the study of comparative literature.
Prerequisites: Graduate standing.

COMP 5311 Comparative Linguistics: English-Spanish
The course provides the theoretical and methodological tools for the comparative study of the English and Spanish languages from a synchronic and diachronic perspective.
Prerequisites: Graduate Standing.

COMP 5312 Comparative History of Spanish and English Languages
The course provides an in-depth study of the origins and evolution of Spanish and English languages from a comparative perspective, with special attention to the socio-historical factors affecting the linguistic changes.
Prerequisites: Graduate Standing

COMP 5318 Postcolonial Studies
This course is an introduction to postcolonial literature and theory. Emphasis is on readings produced in the historical, political, and cultural contexts of European colonialism in Africa, India, and the Caribbean. Secondary readings include a range of theoretical writings about post-colonialism as a condition, an interpretive approach, and a field of study. Topics may include nationalism and imperialism; issues of race and gender; migration and diaspora; exile, assimilation, and hybridity; globalization and neocolonialism; strategies of anti-colonial resistance; intersections between post-colonialism and post-modernism; and the politics of language. The course will also interrogate the usefulness of understanding literature in transnational or global terms and consider “postcolonial studies” itself as contested terrain. May be repeated when topic changes.
Prerequisites: Graduate standing

COMP 5321 Gender Studies
The aim of this course is to introduce students to methods of literary criticism and interpretation, exploring the different representations of women and men, constructions of femininity and masculinity, and sexual politics. To that extent, the course will take into consideration questions of canonicity, difference, equality and sexuality, as well as will explore different constructions of gender according to contemporary gender theories. Special attention will be paid to the intersections of gender with race, class, and nationality. An interdisciplinary focus will allow the students to compare different textual, theoretical, philosophical, historical and/or cross-cultural perspectives on gender.
Prerequisites: Graduate standing

COMP 5322 Seminar in Colonial American Literature
This seminar focuses from a comparative perspective on the works written by the most representative authors in North America and Latin America from the foundation of the colonies to their independence. The course will cover a wide variety of literary expressions and may be repeated for credit when content changes. May be repeated when topic changes.
Prerequisites: Graduate standing
COMP 5340 Comp. Lit. English-Spanish
An in-depth study of an area, period, theme or movement in English and Spanish literature from a comparative perspective. Readings are in English and in Spanish.
Prerequisites: Graduate standing

Computer Science & Engineering (CSCE)

CSCE 1136 Funds of Programming Lab
Laboratory course to accompany CSCE 1336. Laboratory exercises reinforce the particular paradigms that are stressed in CSCE 1336. Students will develop and run functional programs that solve elementary algorithmic problems. Students will also gain experience with compiling, finding, correcting syntax errors, and executing programs. This course places importance on scientific communication and collaboration methods.
Corequisites: CSCE 1336.

CSCE 1137 Object-Oriented Program Lab
Laboratory course to accompany CSCE 1337. Laboratory exercises reinforce the particular paradigms that are stressed in CSCE 1337. Students will develop programs in an object-oriented programming language by practicing the use of a variety of abstract data types and data structures. Students will also gain experience using advanced design tools and the skills to analyze, debug and correct errors in programs. This course places importance on scientific communication and collaboration methods.
Prerequisites: CSCE 1336 and CSCE 1136.
Corequisites: CSCE 1337.

CSCE 1336 Fundamentals of Programming
Introduces the fundamental concepts of a high#level programming language and provides a comprehensive introduction to programming for STEM majors. Topics include data types, flow of control, functions, I/O streams, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy.
Corequisites: CSCE 1136

CSCE 1337 Object Oriented Programming
A continuation of CSCE 1336. Emphasis is placed upon applying the object-oriented paradigms to develop the skills in data abstraction and object design where language features, essential programming techniques, and design guidelines are presented from a unified point of view.
Prerequisites: CSCE 1136 and CSCE 1336.
Corequisites: CSCE 1137.

CSCE 2330 Digital Logic Design
Hardware implementation of arithmetic and logical functions, organization and design of digital systems.

CSCE 3301 Algorithms & Data Structures
Builds on the foundation provided by CSCE 1336 and CSCE 1337 with an increased emphasis on algorithms, data structures, and software engineering. The treatment of programming concepts will be both in terms of the object-oriented paradigm as well as independent of any programming language.
Prerequisites: CSCE 1137 and CSCE 1337.

CSCE 3314 Electronic Devices & Apps
Theory and application of solid state electronic devices. Physical principles of carrier motion in semiconductors leading to operating principles and circuit models for diodes, bipolar transistors, and field effect transistors. Applying the skills in designing amplifiers and op-amp based circuits.
Prerequisites: ENGR 2305

CSCE 3320 Signals and Systems
Introduction to the continuous-time and discrete-time signals and systems; time domain characterization of linear time-invariant systems; Fourier analysis; filtering; sampling; modulation techniques for communication systems.
Prerequisites: CSCE 2330

CSCE 3326 Operating Systems & Networking
Introduces the fundamentals of operating systems together with those of networking and communications.
Prerequisites: MATH 3365.

CSCE 3340 Microprocessor Systems
Basic computer structure, the instruction set, addressing modes, assembly language programming, assembly language subroutines, arithmetic operations, programming in C, implementation of C procedures, elementary data structures, input and output and a survey of microprocessor based design.
Prerequisites: CSCE 2330

CSCE 3390 Software Development
Provides an intensive implementation-oriented introduction to the software-development techniques used to create medium-scale interactive applications, focusing on the use of large object- oriented libraries to create well-designed graphical user interfaces. Topics include event-driven programming, computer graphics, human-computer interaction (HCI), and graphical user interfaces.
Prerequisites: CSCE 1337, CSCE 1137, and MATH 3365

CSCE 4101 Soft Eng & Proj Develop I Lab
Laboratory course to accompany CSCE 4201. Laboratory exercises help students to gather and document the requirements of the project that is defined in CSCE 4201. Students will also develop and document a design solution for the project. This course places importance on scientific communication and collaboration methods.
Prerequisites: CSCE 3301.
Corequisites: CSCE 4201.

CSCE 4201 Software Engnr&Proj Develop I
Principles of software engineering, design, and their applications in the development of a two-semester software project. Students work in teams to gather projects' requirements, design a solution, and implement their design. The students also practice good project management using state-of-the-art software engineering processes. At the beginning of the first semester, projects are defined by the instructor and their requirements are documented by the teams. The students then work on designing and implementing their solutions in the remaining period of the first semester and the proceeding semester, culminating in a formal presentation of the results at the end of CSCE 4302. This course should be taken the semester preceding CSCE 4302.
Prerequisites: CSCE 3301.
Corequisites: CSCE 4101.
CSCE 4203 Dig Electronic Circuit Design
Theory of digital and electronics circuits. Digital logic families TTL, IIL, ECL, NMOS, CMOS, and GaAs. Large signal models for transistors. The course includes the study of the MOS device, critical interconnect and gate characteristics that determine the performance of VLSI circuits, using CADENCE VLSI tools.
Prerequisites: CSCE 2330 and CSCE 3314

CSCE 4210 Computer Engineering Design
This course emphasizes hardware design and debugging. Topics include combinational and sequential logic design using VHDL based upon PLA/PLD.
Prerequisites: CSCE 2330 and CSCE 3340

CSCE 4214 Data Communication
Introduction to the fundamental concepts of computer communication networks. Topics include the OSI reference model, the physical, data link, network, and transport layers, TCP/IP, network topologies, routing and flow control.
Prerequisites: CSCE 2330

CSCE 4220 Programming Languages
The study of programming language design including syntax, semantics, behavior, and implementation issues in imperative, functional, logic, and object-oriented languages. Topics may include type theory, concurrency, data dependency, and nondeterminism.
Prerequisites: CSCE 1337 and CSCE 3301

CSCE 4240 Intro to Unmanned Aerial Vehic
Prerequisites: Senior Standing or approval of instructor.

CSCE 4301 Software Engrn&Proj Develop I
Principles of software engineering, design, and their applications in the development of a two-semester software project. Students work in teams to gather projects’ requirements, design a solution, and implement their design. The students also practice good project management using state-of-the-art software engineering processes. At the beginning of the first semester, projects are defined by the instructor and their requirements are documented by the teams. The students then work on designing and implementing their solutions in the remaining period of the first semester and the proceeding semester, culminating in a formal presentation of the results at the end of CSCE 4302. This course should be taken the semester preceding CSCE 4302.
Prerequisites: CSCE 3301.
Corequisites: CSCE 4101.

CSCE 4302 Software Engrn&Proj Develop II
Continuation of CSCE 4301 to work on the software project initiated in the prior semester.
Prerequisites: CSCE 4301

CSCE 4310 Computer Security
Fundamental concepts and principles of computer security, operating system and network security, private key and public key cryptographic algorithms, hash functions, authentication, firewalls and intrusion detection systems, IPSec and VPN, wireless and web security.
Prerequisites: Senior standing or approval of instructor

CSCE 4315 Embedded Systems
Characteristics of embedded systems, microprocessors and microcontrollers, system design, modular programming, interface devices, memory management, interrupts, input/output applications, multitasking, and simulation. Interchangeable with SENG 4315.
Prerequisites: ENGR 2305 and CSCE 1336 or COSC 1336.

CSCE 4320 Computer System Architecture
I/O organization, memory organization including virtual memory, cache memory mapping, pipelining, and multiprocessing, CISC and RISC microprocessors.
Prerequisites: CSCE 2330 and CSCE 3320

CSCE 4350 Comp Approach to Crim Justice
Statistical and algorithmic methods in criminal justice system, predictive policing, sentencing, applications of this approach to real-time risk assessments for bail decisions and tests for discrimination in traffic stops.
Prerequisites: Senior Standing or approval of instructor.

CSCE 4390 Comp Eng Senior Design Project
This capstone course provides students the experience of implementing (including building, testing, and documenting) a project, within budget and on schedule. Course requirements include a written report and oral presentation. To be taken during the semester of graduation.
Prerequisites: Senior Standing

CSCE 4395 Undergraduate Research
Students work on a computer engineering research project. The topic is chosen by the student and approved by the instructor.
Prerequisites: Permission of instructor and department

Computer Science (COSC)

COSC 1136 Funds of Programming Lab
Laboratory course to accompany COSC 1336. Laboratory exercises reinforce the particular paradigms that are stressed in COSC 1336. Students will develop and run functional programs that solve elementary algorithmic problems. Students will also gain experience with compiling, finding, correcting syntax errors, and executing programs. This course places importance on scientific communication and collaboration methods.
Corequisites: COSC 1336.

COSC 1137 Object-Oriented Program Lab
Laboratory course to accompany COSC 1337. Laboratory exercises reinforce the particular paradigms that are stressed in COSC 1337. Students will develop programs in an object-oriented programming language by practicing the use of a variety of abstract data types and data structures. Students will also gain experience on using advanced design tools and the skills to analyze, debug and correct errors in programs. This course places importance on scientific communication and collaboration methods.
Prerequisites: COSC 1336.
Corequisites: COSC 1337.
COSC 1336 Fundamentals of Programming
Introduces the fundamental concepts of a high-level programming language and provides a comprehensive introduction to programming for STEM majors. Topics include data types, flow of control, functions, I/O streams, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. This course is included in the Field of Study Curriculum for Systems Engineering and Mathematics. Corequisite: COSC 1136.
TCCN: COSC 1315

COSC 1337 Object Oriented Programming
A continuation of COSC 1336. Emphasis is placed upon applying the object-oriented paradigms to develop the skills in data abstraction and object design where language features, essential programming techniques, and design guidelines are presented from a unified point of view.
Prerequisites: COSC 1336.
Corequisites: COSC 1137.

COSC 2301 Fundamentals of Comp Sci
Introduces fundamental concepts of programming from algorithmic and object-oriented perspectives. Topics include the range of introductory algorithmic concepts and constructs, simple data types, control structures, and introduction to array and string data structures, as well as debugging techniques and the social implications of computing. Emphasizes good software engineering principles and developing fundamental programming skills both in a language independent manner and in the context of a language that supports the object-oriented paradigm. High school BCIS is encouraged. Students should have sufficient abilities in high school mathematics.
Prerequisites: No programming or computer science experience is required.

COSC 2330 Digital Logic Design
Hardware implementation of arithmetic and logical functions, organization and design of digital systems.

COSC 3301 Algorithms & Data Structures
Builds on the foundation provided by COSC 1136/1336 and COSC 1137/1337 with an increased emphasis on algorithms, data structures, and software engineering. The treatment of programming concepts will be both in terms of the object-oriented paradigm as well as independent of any programming language.
Prerequisites: COSC 1137 and COSC 1337.

COSC 3310 Algorithm Design & Analysis
Introduces formal techniques to support the design and analysis of algorithms focusing on both the underlying mathematical theory and practical considerations of efficiency. Topics include asymptotic complexity bounds, techniques of analysis, algorithmic strategies, and an introduction to automata theory and its application to language translation.
Prerequisites: COSC 3301 and MATH 3365.

COSC 3320 Computer Architecture
Introduces the organization and architecture of computer systems, beginning with the standard von Neumann model and then moving forward to more recent architectural concepts.
Prerequisites: COSC 3301.

COSC 3326 Operating Systems & Networking
Introduces the fundamentals of operating systems together with those of networking and communications.
Prerequisites: COSC 3301 and MATH 3365.

COSC 3340 Microprocessor Systems
Basic computer structure, the instruction set, addressing modes, assembly language programming, assembly language subroutines, arithmetic operations, programming in C, implementation of C procedures, elementary data structures, input and output and a survey of microprocessor design.
Prerequisites: COSC 2330.

COSC 3350 Human Computer Interaction
Presents a comprehensive introduction to the principles and techniques of human-computer interaction.
Prerequisites: COSC 3301 and MATH 3365.

COSC 3370 Databases
Introduces the concepts and techniques and database systems. Topics include information models and systems; database systems; data modeling to include conceptual, object-oriented and relational data models; relational databases; database query languages to include SQL and OQL; relational database design; transaction processing, distributed databases; and physical database design.
Prerequisites: COSC 3301 and MATH 3365.

COSC 3390 Software Development
Provides an intensive implementation-oriented introduction to the software-development techniques used to create medium-scale interactive applications, focusing on the use of large object-oriented libraries to create well-designed graphical use interfaces. Topics include event-driven programming, computer graphics, human-computer interaction (HCI), and graphical user interfaces.
Prerequisites: COSC 3301 and MATH 3365.

COSC 4152 Internship in Computer Science
A directed internship in a public/private organization that is appropriate to the student’s career objective or desire in a computer science setting. Students will apply analytical and technical knowledge acquired in the program in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspective.
Prerequisites: Permission of the instructor and advisor.

COSC 4252 Internship in Computer Science
A directed internship in a public/private organization that is appropriate to the student’s career objective or desire in a computer science setting. Students will apply analytical and technical knowledge acquired in the program in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspective.
Prerequisites: Permission of the instructor and advisor.

COSC 4302 Software Engr & Proj Develop II
Continuation of COSC 4301 to work on the software project initiated in the prior semester.
Prerequisites: COSC 4301.
COSC 4310 Computer Security
Theory and practice of computer security. Cryptographic tools used to provide security, such as shared key encryption, public key encryption, key exchange and digital signature, with application to security in computer programs, operating systems, database management systems and networks.
Prerequisites: COSC 3326.

COSC 4320 Programming Languages
Formal definition of programming languages including specification of syntax and semantics. Precedence, infix, prefix and postfix notation. Global properties of algorithmic languages. List processing, string manipulation, data description and simulation languages. Run-time representation of program and data structures.
Prerequisites: COSC 3301.

COSC 4340 Intelligent Systems
Introduction to methods for the analysis and design of intelligent engineering systems. Topics include reinforcement learning, optimal estimation, Bayesian networks, expert systems, neural networks, and genetic algorithms. Applications emphasize control and decision making in engineering, finance, and computer science.
Prerequisites: COSC 3301.

COSC 4352 Internship in Computer Science
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a computer science setting. Students will apply analytical and technical knowledge acquired in the program in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspective.
Prerequisites: Permission of the instructor and advisor.

COSC 4385 Special Topics in Comp Science
Topics may be from an area of computer science. May be repeated when topic changes.

COSC 4390 Comp Science Senior Dsgn Proj
This capstone course provides students the experience of implementing (including building, testing, and documenting) the approved project in COSC 4301, within budget and on schedule. Requires integration of knowledge from required systems engineering courses. Course requirements include a written report and oral presentation. To be taken during the semester of graduation.
Prerequisites: COSC 4301.

COSC 4395 Undergraduate Research
Students work on a computer science research project. The topic is chosen by the student and approved by the instructor. Course may be repeated under different topic for credit.
Prerequisites: Permission of instructor and department.

COSC 4452 Internship in Computer Science
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a computer science setting. Students will apply analytical and technical knowledge acquired in the program in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspective.
Prerequisites: Permission of the instructor and advisor.

Counseling Education (EDCU)

EDCU 5199 Special Issues in Counseling
Course examines timely topics of concern to educators involved in making decisions regarding counseling decisions. May be repeated when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDCU 5299 Special Issues in Counseling
Course examines timely topics of concern to educators involved in making decisions regarding counseling decisions. May be repeated when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDCU 5304 Professional Orientation
The major problems of education and vocational guidance covering selection, orientation, personnel, training programs, placement, and re-education. Selection, discussion and presentation of problems to the class will comprise part of the course content. Candidates enrolled in this course will receive a digital literacy evaluation followed by a prescribed digital learning curriculum aligned with the International Society for Technology in Education.
Prerequisites: Graduate standing and six hours of advanced education coursework

EDCU 5305 Personality&Counseling Theor
An overview of the major counseling theories will be presented in this course. Primary emphasis will be placed on the practical application of each theoretical model with specific focus on the school setting. Case examples will be used to facilitate understanding.

EDCU 5306 App Tech Child&Adoles Couns
This course will provide students an opportunity to study, administer, score, and interpret a variety of assessment instruments used in school and non-school settings. Students will be exposed to instruments measuring: personality, intelligence, aptitude, and achievement; career and interest; and environmental factors. Ethical issues in testing and the special education environment will also be addressed. Interchangeable with PSYC 5331.

EDCU 5307 School Counseling
This course will provide an orientation to best practices in school counseling. Emphasis will be placed on comprehensive developmental school counseling programming and effective collaborative consultation with school administration. As required by 19 Texas Administrative Code Section 228.30(c)(2) and (3), candidates will be expected to completed the Youth Mental Health, Substance Abuse, Youth Suicide and Dyslexia Trainings while enrolled in this course.

EDCU 5308 Career Dev&Life Planning
A survey course of the major theories of vocational choice and career development with demonstrations on how to translate these theories into meaningful practice in the counselor-client relationship. Students will also develop a guidance model for career education in the school setting. Interchangeable with PSYC 5340.

EDCU 5309 Social, Cultrl, & Fam Issues
A variety of cultural and ethnic groups in America will be discussed in this course. Students will also extend their knowledge, awareness, and skill in applying culturally sensitive services in the school setting. Interchangeable with PSYC 5336.
EDCU 5310 Human Growth & Develop Lifespan
This course is designed as an explorative introduction to and an overview of a range of major theories of human development in which developmental processes and issues emphasized by different theories are described and compared. This class will establish a foundation of learning theories and address applications within developmental, personality, and social theories. Intentional intervention, taking into account client circumstances and style, and with clarity of theoretical grounding, will be stressed. Special emphasis will be on childhood and adolescent development and their implications for assessment, diagnosis, and intervention planning in counseling and guidance. Interchangeable with PSYC 5305.

EDCU 5311 Pro-Cnslng Ethics & Lgl Iss
This course will provide an overview of professional issues in counseling with an emphasis on current ethical standards and practices. Ethical standards of American Counseling Association and American School Counseling Association and related entities will be reviewed. Application of these codes in professional settings will be discussed exploring ethical decision-making models.

EDCU 5312 Abnormal Human Behavior
This course will introduce students to the principles of understanding dysfunction in human behavior or social disorganization. Emphasis is placed on understanding cultural, biological, social, and psychological factors necessary when developing a holistic and ethical model of assessment and treatment planning. In addition, this course will assist students to understand the nature, needs, and problems of individuals at all developmental levels over the lifespan; to understand the issues in mental health that may stem from gender, race, class, sexual orientation, and religious differences; and to understand the nature, needs, and problems of a multicultural and diverse society. Interchangeable with PSYC 5307.

EDCU 5314 Pre-Practicum Skills & Tech
Students will practice basic helping skills common to the counseling profession using live supervision and audio-video taping. Additional skills will be developed in problem conceptualization, goal setting, and selecting theoretically appropriate interventions.
Prerequisites: EDCU 5305 (can also be taken concurrently).

EDCU 5315 Group Counseling
This course is designed to familiarize students with the theories, processes, and practices of group counseling and psychotherapy.
Students will participate in a small group experience.
Prerequisites: EDCU 5314 or permission of instructor.

EDCU 5316 School Counseling Practicum
This competency-based course will require 100 hours of actual counseling experience with a variety of clients and challenges in the school-community setting. Applying theory to practice will be stressed. Candidates will be required to complete the School Counseling Texas Examination of Educator Standards (TExES) while enrolled in this course.
Prerequisites: EDCU 5309, EDCU 5310, EDCU 5315, and EDCU 5307 (can also be taken concurrently or with permission of instructor).

EDCU 5317 Schl Couns Internship Part A
Practical experience will be gained in a school setting under supervision of a qualified on-site school counselor. An 80 hour practicum experience will be completed by the candidate while enrolled in this course.
Prerequisites: EDCU 5316 or permission of the instructor.

EDCU 5318 Clinical Counseling Internship
Practical experience will be gained in a clinical setting under the supervision of a qualified on-site licensed counselor. A total of 300 hours will be required with an approximate balance between direct and indirect counseling experiences. A university lab experience with counselor education faculty is also required.
Prerequisites: EDCU 5317 or permission of instructor.

EDCU 5320 Crisis Inter in School Setting
Review of crisis intervention skills and applicability to the school setting. Students will reflect on how people deal with crisis, exploring crisis experiences, and begin to develop skills in crisis intervention. Students will also examine relevant research on crises, resolution and resilience. The major focus of the course will be on learning the practical skills of helping children and adolescents in crisis in the school setting.

EDCU 5321 Child & Adolesc Couns Tech
Introduction to techniques appropriate for children and adolescents. Students will practice a variety of child and adolescent counseling skills common to the counseling profession using live supervision and video tape/transcription. Additional skills developed include problem conceptualization, goal setting, and selecting theoretically appropriate counseling interventions to children and adolescents. Interchangeable with PSYC 5327.

EDCU 5322 Fund of Addictions Counseling
This course will provide students with a thorough and in depth exploration of the professional knowledge, skills and practices related to addictions counseling, treatment, and prevention. Emphasis is placed on etiology of addictions and addictive behaviors including, but not limited to, gambling, sexual, eating, alcohol, or drug addictions. In addition, this course will assist students to understand strategies for prevention, intervention, and treatment of addictions. Interchangeable with PSYC 5338.

EDCU 5323 Clinical Counseling Practicum
This competency-based course will require 100 hours of actual counseling experience with a variety of clients and challenges in the community setting. Applying theory to practice will be stressed.
Prerequisites: EDCU 5305, EDCU 5314, EDCU 5315 and all remaining required coursework with the exception of EDCU 5318 and EDCU 5325, or consent of the instructor.

EDCU 5324 Adv Counseling Theor & Technique
This course has an academic and clinical training-based structure. Counseling interventions useful in facilitating client and growth from a theoretical perspective will be introduced. Clinical skills and concepts beyond level of beginning counseling techniques will be taught along with case conceptualization. An overview of treatment planning will be offered to assist students in identifying appropriate interventions and goals. Strategies for cognitive, affective, and behavioral charge will be practiced in individual lab sessions. EDCU 5314, and EDCU 5305

EDCU 5325 Clinical Counseling Intern II
This is the second part of Clinical Internship. Practical experience will be gained in a clinical setting under the supervision of a qualified on-site licensed counselor. A total of 300 hours will be required with an approximate balance between direct and indirect counseling experiences. A university lab experience with a counselor education faculty is also required.
EDCU 5397 Professional Paper
This course will provide students with opportunities and support for the satisfactory completion of a field of action research and resultant professional paper. Grades awarded will be P for pass and IP for in progress. If a grade of IP is received, students must enroll continuously until successful completion and defense. Failure to do so will result in a grade change from IP to F after one semester.

EDCU 5399 Special Issues in Counseling
Course examines timely topics of concern to educators involved in making decisions regarding counseling decisions. May be repeated when topic changes.
Prerequisites: Graduate standing and permission of instructor.

Criminal Justice (CRIJ)

CRIJ 1301 Intro to Criminal Justice
An overview of the criminal justice system, with a focus on decision points and administrative practices in police, criminal court, and correctional bureaucracies. The historical evolution of criminal justice agencies is covered along with basic criminal procedures.
TCCN: CRIJ 1301

CRIJ 1306 Courts & Criminal Procedure
Survey of the U. S. judicial system with emphases on formal judicial procedures and institutional structures. Also, quasi-judicial and extra-judicial features are covered as well as principles of evidence that pertain to the criminal justice process including the nature and types of criminal evidence and admissibility of evidence in court.
TCCN: CRIJ 1306

CRIJ 2313 Correctional Systems & Practice
An analysis and evaluation of contemporary correctional practices. Covers the history of penology, sentencing variations, and community and institutional corrections.
TCCN: CRIJ 2313

CRIJ 2319 Police Systems & Practices
A study of the history and social settings of the police, the police role and discretion, police administrative practices, the politics of policing, and the problems of law enforcement in a democratic society.
TCCN: CRIJ 2319

CRIJ 2329 Fundamentals of Criminal Law
A study of the nature of substantive criminal law. Included are philosophies and historical developments, major definitions and concepts, classification of crime, and the elements of crimes and their penalties. Texas statues will be utilized as illustrations.
TCCN: CRIJ 2329

CRIJ 3301 Research Methods in Social Sci
An introduction to the scientific method as applied to social science research. Topics include research methods, research designs, the analysis of data, and basic computer techniques. Students must earn a C or higher to pass this course. This course is interchangeable with PSCI 3301 and SOCI 3301.
Prerequisites: Junior or Senior Standing and consent of COAS Advisor.

CRIJ 3302 Philosophy of Law
An examination and evaluation of some basic practices and principles of Anglo-American law. This course will focus on such problems as: the nature and extent of legal liability, strict liability statutes, "Good Samaritan" laws, the law of criminal attempts, the enforcement of community moral standards, the obligation to obey the law, the justification of punishment and capital punishment, civil disobedience, and affirmative action and reverse discrimination. We will examine prominent legal cases and their underlying principles, but the emphasis will be on the philosophical analysis and evaluation of the law in these areas. Reading will be drawn from both classical and contemporary sources. (Cross-listed with PHIL 3302).

CRIJ 3306 Law & Society
This course will examine the dynamics of how laws are created, by whom and for the benefit of which particular groups in society. The focus is on inequality in the application of laws to women and minorities.

CRIJ 3308 Victimology
An introduction to the field of victimology. Topics include society's perceptions of victims, theories of victimization, the nature of victimization, patterns of victimization, and recent societal responses to the problems of victims.

CRIJ 3309 Probation and Parole
This course involves a survey of post-conviction alternatives to incarceration. It will examine intermediate punishments, treatment programs, and post-conviction programs.

CRIJ 3310 Juvenile Delinquency & Justice
As survey of juvenile offenders and the juvenile justice system. Includes theories of delinquency, the history of the juvenile courts, and the operation of the juvenile justice system. Special attention will be paid to the role of the police, juvenile court practices, and their legal basis, community-based juvenile programs, and juvenile institutions.

CRIJ 3311 Institutional Corrections
An examination of both prisons and jails as “total institutions.” The course will include the history of prisons, various philosophies of incarceration, organizational structure, institutional subcultures, and problems encountered in the classification and supervision of incarcerated offenders.

CRIJ 3320 Organized Crime
Examines organized criminal groups, such as the so-called “mafia,” in the twentieth century. Applies historical, economic, political, and legal perspectives. Emphasizes labor rackets, gambling syndicates, and extortion methods. Covers in detail special government commissions and major legislative reforms.

CRIJ 3325 Drugs in Our Society
Provides students with a realistic perspective of the drug problem. Areas of concentration includes (1) history of drug abuse public policy; (2) nature of common drugs; and (3) legislative and enforcement issues including the legalization debate, organized crime, and political dimensions.
CRIJ 4140 Special Issues in Criminal Jus
An intensive examination of special topics of study in criminal justice. May be repeated for credit if topic changes. Topics may include, but are not limited to, race/ethnicity and crime, crime and the media, trafficking in women and children, quantitative research methods, terrorism, current issues in criminal Justice. One or two credit arrangement must be approved by the CRIJ faculty advisor.

CRIJ 4190 Undergraduate Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal Justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4240 Special Issues in Criminal Jus
An intensive examination of special topics in study in criminal justice. May be repeated for credit if topic changes. Topics may include, but are not limited to, race/ethnicity and crime, crime and the media, trafficking in women and children, quantitative research methods, terrorism, current issues in criminal Justice. One or two credit arrangement must be approved by the CRIJ faculty advisor.

CRIJ 4290 Undergraduate Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4305 Police Personnel Management
Personnel management from an interpersonal relations standpoint. Emphasis is upon establishing and maintaining effective communications, conflict and conflict resolution, and establishing a supportive climate for teamwork with and between law enforcement agencies of the criminal justice system.

CRIJ 4310 Drug Trafficking
This course examines the economic and social history of cocaine, heroin, and marijuana along with the evolution of the U.S. led "war on drugs" and international narcotics control efforts. With a focus on Latin America, the class will explore the political economy of the cocaine trade in Mexico, Brazil, Central America, the Caribbean, and the Andean region - Bolivia, Peru, Ecuador, and Colombia. Emphasis will be given to the contemporary phases during the late 1960s to the post-9/11 transformation in the U.S. anti-drug policies and the sponsored "Global War on Terrorism." Questions such as: Is it possible to end drug trafficking? Has the war on drugs been successful? What have been the unintended consequences of the U.S. punitive anti-drug approach domestically and internationally? Is legalization the path to take? are addressed. Alternative policies to the drug issue will be assessed, exploring the cases of Uruguay, Portugal, and the Netherlands among others. Prerequisites: Junior or Senior standing.

CRIJ 4311 The Constitution and Civil Lib
The parameters of the federal Constitution and civil liberties; rights of citizens against state and federal governments; the nature of due process and the equal protection of the law; freedoms of expression, association and religion. (Cross-listed with PSCI 4311)

CRIJ 4312 Constitution and Crim Pro Law
The Constitution's limits on government authority to gather evidence and investigate crime by examination of the Fourth Amendment's limits on search, seizure and arrest; the Fifth Amendment's privilege against self-incrimination; and the Sixth Amendment's right to counsel. Prerequisite for CRIJ majors: Successful completion of 12 lower-level CRIJ required courses. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ. (Cross-listed with PSCI 4312)

CRIJ 4320 Women & Criminal Justice
The course deals with incidence studies and casual theories in female criminology as well as criminal justice processing of female offenders. Also examined are issues concerning female personnel working in police, court and correctional agencies. A female victimological approach is included.

CRIJ 4321 Senior Pro-Seminar-WIN
This course is an intensive seminar that allows students to critically examine issues relevant to the police, courts, and correctional systems in the U.S. It is a writing intensive course in which students will apply research skills and submit a literature review. Students also participate in review sessions related to core topical areas in criminal justice. Prerequisites: CRIJ 3301 or equivalent and CRIJ 4325, both with a grade of "C" or better, Senior Standing, and consent of COAS Advisor.

CRIJ 4324 Media and Crime
Analyzes the images of crime, criminals, and the criminal justice system that are presented through major mass and entertainment media in the United States. Students will be able to examine how the media portrays violence, crime and criminals; influences crime policy; and, impacts public perceptions of crime and victimization. (Cross-listed with COMM 4311 and PSYC 4311)

CRIJ 4325 Statistics in Criminal Justice
This course is designed to provide students with an introduction to basic concepts and techniques necessary for a preliminary and proficient understanding of criminal justice research. Emphasis will be placed on analyzing and interpreting research findings using a standard statistical software package that includes descriptive statistics, inferential statistics, and bivariate analysis. Prerequisites: CRIJ 3301 with a grade of "C" or better, Senior Standing, and consent of COAS Advisor.

CRIJ 4333 White Collar Crime
This course will focus on the study of contemporary forms of white collar crime and its explanations, theories, and practices along with its investigation, adjudication, and regulation. This course also explores the law of economic and political crimes associated with white collar crime. Students will examine reported cases, case studies, and other materials to investigate the topic of white collar crime - thus gain a foundation for an understanding of this fascinating subject.

CRIJ 4334 Administration of Justice
This course covers contemporary concepts, principles and theories of administration of justice in criminal justice agencies. This course is intended to introduce the student to the views of prominent writers on theories of management and relate them to the field of criminal justice administration. A central intent of this course is to enhance the student's ability to understand the art and science of organization and administration in criminal justice.
CRIJ 4335 Death Penalty
This course is designed to provide the student with an overview of the death penalty both in the United States and abroad. Special attention is devoted to the history of the death penalty, Supreme Court decisions, and current statutory laws. Contemporary issues surrounding the death penalty including potential flaws in the administration of justice and alternative sanctions such as life without the possibility of parole are also covered.

CRIJ 4336 Special Needs Offen Corr Inst
This course will explore the variety of offenders with special needs in corrections and how correctional officials have responded to the changing prison population. Topics may include but are not limited to: juvenile inmates, female inmates, chronically and mentally ill inmates, substance addicted veterans, death row inmates under protective custody, incarcerated sex offenders, incarcerated veterans, death row inmates, immigrant inmates and inmate radicalization. Importantly, this course provides a deeper understanding of the concept and practice or corrections in 21st century America. Prerequisites: CRIJ 1301.

CRIJ 4337 Ethics in Criminal Justice
This course explores the fundamental concept of fairness throughout the criminal justice system. It examines situations, dilemmas, and problems encountered by persons in all criminal justice agencies/organizations. More specifically, it examines ethical issues in policing, the courts, and in correctional settings. Case scenarios are used to explain and analyze ethical dilemmas. Finally, the course looks at several ethical situations in criminal justice more in-depth, such as interrogation tactics, prosecutorial misconduct and the death penalty.

CRIJ 4338 Crime&Crime Justice-Disaster
The sudden disruption of the normal flow of human activity in the form of disaster gives rise to both prosocial and antisocial behavior. This course focuses on the later and investigates the crime that occurs in the wake of disasters. This course explores the pre-disaster conditions that may give rise to crime, the extent and type of crime that occurs in the wake of disasters, the special challenges of measuring crime during and after a disaster, effective and ineffective responses to disaster crime, both domestically and internationally, and lastly, lingering questions for a criminology of disaster. Prerequisites: CRIJ 1301.

CRIJ 4340 Special Issues in Criminal Jus
An intensive examination of special topics of study in criminal justice. May be repeated for credit if topic changes. Topics may include, but are not limited to, race/ethnicity and crime, crime and the media, trafficking in women and children, quantitative research methods, terrorism, current issues in criminal Justice. One or two credit arrangement must be approved by the CRIJ faculty advisor.

CRIJ 4390 Undergrad Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4490 Undergrad Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4590 Undergrad Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 4601 Criminal Justice Internship
This course is a supervised internship program for pre-service students only. The course requires the completion of 160 hours of internship service to an agency approved by the Internship Coordinator and the department chair. Internship hours must be completed during the semester in which the student is enrolled in the course. Students must attend class and complete course requirements such as assignments, exams, and a research project. The evaluation of student performance is on a pass/fail basis. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses required for the CRIJ major. Must be taken by CRIJ majors during senior year. Evaluation of performance in this course is on CR/NC basis. Restrictions: Students who are employed in the criminal justice field (or related field) are not eligible to take this course. Volunteer hours completed prior to enrolling in this course will not be counted as internship hours for this course.

CRIJ 4690 Undergrad Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit. Prerequisites: Permission of instructor and department chair.

CRIJ 5140 Contemp Iss Criminal Justice
An in-depth focus on selected social, political, and legal issues currently important in criminal justice. One or two credit arrangement must be approved by the CRIJ faculty advisor. May be repeated when topic changes with permission of CRIJ instructor. Prerequisites: Graduate Standing.

CRIJ 5199 Thesis II
This course is designed to be the final step towards the successful completion of the Criminal Justice thesis. Students schedule the coursework in consultation with their thesis advisors. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, successful completion of CRIJ 5398: Thesis I, and permission of the major instructor/advisor.

CRIJ 5240 Contemp Iss Criminal Justice
An in-depth focus on selected social, political, and legal issues currently important in criminal justice. One or two credit arrangement must be approved by the CRIJ faculty advisor. May be repeated when topic changes with permission of CRIJ instructor. Prerequisites: Graduate Standing.
CRIJ 5300 Found in Criminal Justice
Students in this course will survey various topics within criminal justice. Special attention will be given to theories of crime, research methodology, policy, and legal issues. 
Prerequisites: Graduate standing.

CRIJ 5301 Adv Smnr in Crij System
This course is designed to build student's critical abilities in analyzing criminal justice policies. This course also examines organizational theories, management and personnel issues including ethics in criminal justice.

CRIJ 5303 Law&Criminal Justice
A study of current societal trends and their impact on legal systems including criminal justice agencies, criminal courts, juvenile courts, mental health courts, and civil courts. The role of the U.S. Constitution and the role and response of both state and federal court systems with respect to these societal trends will be explored. 
Prerequisites: Graduate Standing.

CRIJ 5305 Sem on Adm of Criminal Just
This course examines organizational theories, models, and typologies for investigating and understanding individual and interpersonal dimensions and operations of criminal justice systems. Leadership and authority patterns, informal and formal communication networks, and diverse variables are examined as they impact upon organizational effectiveness and change, including program evaluation and implementation. 
Prerequisites: Graduate Standing.

CRIJ 5315 Comparative Crij Systems
A comparative study of criminal justice systems in the United States and selected foreign countries. The comparisons will include countries from some or all of the following areas: Latin America, Europe, Scandinavia, Asia, and the Middle East.

CRIJ 5320 Advanced Methods of Social Res
A description of a variety of research techniques, including theories and frames of reference, the logic of conceptual schemes, and hypothesis development and testing. A variety of sampling plans are contrasted and evaluated, and sampling issues are examined. Critical measurement issues are highlighted, including validity and reliability, how these terms are conceptualized and applied in scaling. Alternative data gathering methods and issues are featured. Several bivariate and multivariate statistical techniques are presented, including relevant computer applications such as SPSS. (Cross-listed with PSCI 5301) 
Prerequisites: Graduate Standing.

CRIJ 5325 Seminar in Corrections
Examines all dimensions of corrections, including institutional and community correctional organizations. Prisons and jails are featured, together with a variety of institutional and community programs operating to meet the diverse needs of inmates who eventually seek reentry into society. In addition, the types of rehabilitative and reintegrative programming for all types of correctional clients, including probationers, parolees, and divertees are discussed. The functions and operations of all types of correctional organizations are examined, including their historical development and evolution. Also, several important contemporary correctional issues are presented and examined. 
Prerequisites: Graduate Status.

CRIJ 5326 Seminar on Police Practices
Examines the historical roots of contemporary policing, including police professionalism, recruitment and training, certification, and police organizations and operations. Focuses upon selected police issues, including misconduct and corruption, codes of conduct, community policing, patrol variations and styles, internal affairs, the police personality, and theories of police behavior. Several important law enforcement issues are examined. 
Prerequisites: Graduate status.

CRIJ 5327 Adv Quantitative Mthds in CRIJ
This course is designed to hone both the statistical vocabulary and techniques important to criminal justice system personnel and researchers. This course is designed to introduce graduate students to a wide range of statistical analyses that include univariate, bivariate, multivariate, and inferential techniques. Course materials deal with both the mathematical and practical applications of statistics and evaluating the statistical analysis in the research. This class will also provide students with a working knowledge of SPSS and R. 
Prerequisites: Graduate status.

CRIJ 5330 Seminar in Criminological Theo
Critical examination of biological, psychological, sociological, and economic theories of crime. The "traditional theories" of crime are covered; theories upon which the field was originally founded. Also analyzed are the new "integrated" theories along with relevant research data. 
Prerequisites: Graduate Standing.

CRIJ 5331 Domestic Violence
Provides a sociological overview of the research, theories, and social policies.

CRIJ 5335 Ethics of Criminal Justice
Explores the fundamental concept of fairness throughout the criminal justice system. It examines situations, dilemmas, and problems encountered by persons in all criminal justice agencies and organizations as they go about their day-to-day activities. 
Prerequisites: Graduate Standing.

CRIJ 5337 Crime and Crij after Disasters
This course will explore the occurrence of crime in the wake of both natural disasters and the criminal justice response to post-disaster crime. It will challenge students to define disaster, to appreciate the methodological difficulties of measuring crime in the wake of disasters, to determine the utility of various theories of crime in explaining post-disaster crime and to understand how the criminal justice response to crime in the wake of disasters is similar to and different from the criminal justice response in non-disaster conditions. This course will be useful for both criminal justice students and practitioners. 
Prerequisites: CRIJ 5330.

CRIJ 5338 Offenders with Mental Illness
This course will explore the forces that set deinstitutionalization into motion and the outcome of this process as well as the way in which law enforcement, courts and corrections deal with offenders with mental illness. This course will also explore legal issues that are pertinent to this group and provide a realistic depiction of the concept and practice of criminal justice in 21st century America. 
Prerequisites: Graduate Standing.
CRIJ 5340 Special Topics in Crim Justice
An in-depth focus on selected social, political, and legal issues currently important in criminal justice. One or two credit arrangement must be approved by the CRIJ faculty advisor. May be repeated when topic changes with permission of CRIJ instructor.
Prerequisites: Graduate Standing.

CRIJ 5355 Cybercrime
Students will analyze various forms of cybercrime and discern how various theories of crime relate to the various modalities of cybercrime and victimization.

CRIJ 5390 Grad Research in CRIJ
This course enables students to engage in independent research on an issue/topic in criminal justice. This issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit.
Prerequisite: Permission of instructor and department chair.

CRIJ 5395 Capstone Project in CRIJ
This course includes a practical approach to a significant issue facing the the criminal justice system in the United States. Students will complete an in-depth analysis of a topic area relevant to the study of Criminal Justice, that is to be undertaken at the end of their coursework in the program. This course will be evaluated on a pass/fail basis.

CRIJ 5398 Thesis I
This course is designed to be the first step towards the successful completion of the Criminal Justice thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on draft. If a grade of IP is received, the student does not need to enroll again for credit. If the grade of NC is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of 24 SCH, and permission of major instructor/advisor.

CRIJ 5399 Thesis II
This course is designed to be the final step towards the successful completion of the Criminal Justice thesis. Students schedule the coursework in consultation with their thesis advisors. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of CRIJ 5398: Thesis I, and permission of the major instructor/advisor.

CRIJ 6101 Proseminar in Criminal Justice
This course is designed to provide students with an overview of the American criminal justice system and how it functions in theory and practice. It will also introduce students to online doctoral education with an emphasis on practical information to help them be successful as a PhD students and at the job market. In particular, this class facilitates interactions between students and faculty to identify potential research interests.

CRIJ 6302 Advanced Research Methods CJ
Focus on the practical research design and implementation to prepare students for advanced study of scientific inquiry. Topics covered may include research design, program implementation, as well as methods of data collection.

CRIJ 6303 Adv Quant Stats Regression
A course focused on the practical aspects of conducting criminal research that uses quantitative methodologies. Students are introduced to statistical techniques such as multidimensional scaling, factor analysis, correlations, as well as a variety of regression techniques.

CRIJ 6304 Adv Qualitative Methods
The course introduces students to the dynamics of qualitative research and interpretation of qualitative results in social research. Topics covered may include grounded theory, ethnography, content analysis, focus groups, and in-depth interviewing.

CRIJ 6305 Time Series Analysis
One of the most important advanced statistical techniques in criminal justice and criminology is time series analysis. Time series designs evaluate changes in trends and can be instrumental in the development of criminal justice policy. The focus of this class is on time series analysis designs and statistics.

CRIJ 6306 Advanced Mixed Methods
Explores the nexus of quantitative and qualitative research methods and how both can be used to create more robust research designs. Includes an emphasis on statistical and qualitative computer programs for variable data analysis.

CRIJ 6307 Seminar in Corrections
Examines all dimensions of corrections, including institutional and community correctional organizations. Prisons and jails are featured, together with a variety of institutional and community programs operating to meet the diverse needs of inmates who eventually seek reentry into society. In addition, the types of rehabilitative and reintegrative programming for all types of correctional clients, including probationers, parolees, and diverees, are discussed. The functions and operations of all types of correctional organizations are examined, including their historical development and evolution. Also, several important contemporary correctional issues are presented and examined.
CRIJ 6308 Contemporary CJ Issues
An in-depth focus on selected social, political, and legal issues currently important in criminal justice. One or two credit arrangement must be approved by the CRIJ faculty advisor. May be repeated when topic changes with permission of CRIJ instructor.

CRIJ 6309 Seminar in Law Enforcement
Examines the historical roots of contemporary policing, including police professionalism, recruitment and training, certification, and police organizations and operations. Focuses upon selected police issues, including misconduct and corruption, codes of conduct, community policing, patrol variations and styles, internal affairs, the police personality, and theories of police behavior. Several important law enforcement issues are examined.

CRIJ 6311 Neighborhoods, Crime, & Maps
The use of mapping in understanding crime dates back to the 1830s in France. Since the incorporation of this research design by the Chicago School of Sociology in the early twentieth century and the advent of personal computers at the end of the century, crime mapping has become instrumental in how we combat crime. This course explores the history of mapping in criminology and criminal justice and the techniques of analyzing maps through GIS software.

CRIJ 6320 Homeland Security
Homeland security is a catch-all phrase for addressing any threats to the United States. These threats include terrorism, cyberattacks/crime, and illegal immigration. The emphasis of this class is an overview of these types of security threats and how law enforcement deals with these threats.

CRIJ 6321 Human Trafficking & Smuggling
Human trafficking has often been referred to as the modern day version of slavery. This class details the nature of human trafficking and smuggling in the U.S. and internationally and how the various criminal justice agencies handle these cases. Comparisons between the U.S. and other countries are evaluated in this class.

CRIJ 6325 Cybercrime
As the world moves more and more towards a digital future, the emergence and evolution of cybercrime has become a high priority for the criminal justice system. This class explores the nature of cybercrime and law enforcement efforts to deal with this newly ubiquitous type of criminal behavior.

CRIJ 6330 Immigration & Crime
One of the most controversial aspects of criminal justice today is in relation to the link between immigration and crime. The emphasis of this class is on the etiology of immigration and how it is related to crime in America. Current research, practices, and politics are evaluated here.

CRIJ 6335 Advanced Topics in Victimology
Since the 1970s, victimology has been a primary focus of criminal justice in America. This course provides an advanced analysis of the etiology of victimology, the treatment of victims in the criminal justice system, and the current research in this area.

CRIJ 6340 Sem in Criminological Theory
Provide an overview of the major criminological paradigms with an emphasis on the causes of crime and deviant behavior. The course will discuss criminological theories from a philosophy of science perspective such as theory construction, application, and critical assessment of the theories.

CRIJ 6351 Criminal Law Procedure Law
Comprehensive analysis of the major issues in the criminal justice process from first police contact through police searches, police interrogations, prosecution and trial; with an emphasis on Supreme Court cases and interpreting the U.S. Constitution. Problems of federalism, the exclusionary rule, and sentencing will be discussed.

CRIJ 6355 Intelligence Gathering
Terrorism is one of the most important problems currently facing the international community. The emphasis of this class is on the etiology of terrorism and efforts to curb terrorism. Specifically, the ability to gather intelligence from human and digital sources is considered here.

CRIJ 6356 Terrorism
Terrorism is one of the most important problems currently facing the US and the international community. This class explores terrorism in both domestic and international settings. Included in lectures is a focus on the nexus of hate groups and terrorist acts.

CRIJ 6357 International Criminal Court
The International Criminal Court investigates and tries individuals charged with the most serious crimes impacting the international community: genocide, war crimes, and crimes against humanity. This course evaluates the functions of the International Criminal Court and the variety of crimes that it deals with.

CRIJ 6361 Program and Policy Evaluation
Introduces doctoral students to a variety of research designs and methodological tools used to evaluate social programs and policies systematically. The focus will be placed on critical analysis and understanding of programs and policies in criminal justice.

CRIJ 6365 Criminal Justice Management
This course evaluates organizational theory in relation to a variety of criminal justice agencies/organizations. The goal of the course is to better understand best practices in criminal justice management, create research designs to evaluate the efficacy of criminal justice management, and to examine how to effect change when necessary.

CRIJ 6390 Teaching CJ Seminar
Discussions on a variety of teaching techniques including teaching online and face to face. The topics covered may also include classroom management and how to teach large class sections. The course will prepare doctoral students to be effective educators.

CRIJ 6391 Special Topics in Crim Justice
A course that explores current topics that are prevalent in the media or new subjects that are on the cutting edge of criminal justice practice or criminological theory. Advanced research methods and statistical analysis classes can be covered in addition to substantive areas of criminal justice.

CRIJ 6396 Research Portfolio I
In lieu of a comprehensive final examination across multiple criminal justice areas, this class practically evaluates students through the completion of two publishable manuscripts. This class can also be used as a springboard to the dissertation.

CRIJ 6397 Research Portfolio II
In lieu of a comprehensive final examination across multiple criminal justice areas, this class practically evaluates students through the completion of two publishable manuscripts. This class can also be used as a springboard to the dissertation.
EDCI 1102 Intro to Teaching Profession
This course provides an overview of the teaching profession; requirements for Texas teaching credentials; and requirements of the various TAMIU programs of study leading to certification. Practical, legal, and ethical issues will be explored. Students will engage in field-based experiences.

EDCI 1301 Intro to Teaching Profession
An integrated pre-service course and content experience for those interested in a teaching career. Students will participate in 30 contact hours of field observations in PreK-12 classrooms with varied and diverse student populations. Activities will include a focus on developing systematic observation skills, an overview of the dimensions of teaching, and the teacher certification process.

TCCN: EDUC 1301

EDCI 2210 Foundations of Education
This course introduces students to the education profession, with emphasis on educational history, policy, public school law, and accountability requirements of contemporary public education. Ethics and dispositions; the role of technology in teaching and learning; and TAMIU program requirements will also be explored. Students will engage in field-based experiences.
Prerequisites: Successful completion of EDCI 1102 and concurrent enrollment PSYC 2314 is encouraged.

EDCI 2224 Cultural Foundations of Ed
This course is an examination of the social, philosophical, historical foundations of education in modern a democratic society. This course focuses on sociocultural and economic factors that influence teaching, learning, and school success. Strategies for promoting educational equity and social justice are emphasized.
Prerequisites: Successful completion of EDCI 1102.

EDCI 3110 Theory & Prac Pub Sch Teach I
This course introduces contemporary evidence-based approaches to assessment-informed instructional design and teaching strategies. Emphasis is placed on developmentally appropriate practices and the differentiation of instruction to meet the needs of diverse and exceptional learners. State mandates and accountability are discussed. Instructional strategies and assessment designs that foster positive learning environments will be emphasized. Candidates engage in a field-based experience. Must be taken concurrently with EDCI 3302.
Prerequisites: Must be in good standing with the College of Education requirements and successful completion of EDCI 1102, EDCI 2210, EDCI 3224 and PSYC 2314.

EDCI 3200 Survey of Content Know & Exper
This course provides an understanding of the teacher candidates’ content, discipline, and related pedagogy inclusive of state standards and certification requirements. Students will engage in tasks that will assess their aptitude, skill, knowledge, and experience. Students will apply to admission for the College of Education during this course. Students will engage in a field-based experience. Students must have a minimum institutional GPA of 2.75 in order to enroll in this course.
Prerequisites: Successful completion of EDCI 1102 and EDCI 2224.

EDCI 3210 Theory & Prac Pub Sch Teach I
This course is considered an early field-based course. It is intended for students majoring in education. The focus of the course is to introduce students to public school teaching through a service learning project. The learner-centered proficiencies and the underlying theories for effective pedagogy in PreK-12 classrooms will be covered. The Texas Essential Knowledge and Skills (TEKS), technology, as well as designing age appropriate edumetric measures will be emphasized. Open to freshmen and sophomore students only, offered only during the fall semester.

EDCI 3220 Lang Acquisition & Dev I
This course focuses on sociocultural and economic factors that influence teaching, learning, and school success. Strategies for promoting educational equity and inclusion are emphasized. Candidates engage in a field-based experience. Students will apply for admission to the College of Education during this course. Students must have a minimum institutional GPA of 2.75 in order to enroll in this course.
Prerequisites: EDCI 3210 and EDCI 3110.

EDCI 3224 Teaching in Diverse Settings
This course focuses on sociocultural and economic factors that influence teaching, learning, and school success. Strategies for promoting educational equity and inclusion are emphasized. Candidates engage in a field-based experience. Students will apply for admission to the College of Education during this course. Students must have a minimum institutional GPA of 2.75 in order to enroll in this course.
Prerequisites: Successful completion of EDCI 1102 and EDCI 2210.

EDCI 3301 Assessment for Instruc Design
This course introduces second language learners as well as appropriate instruction in the content areas that are commensurate with the varying proficiency levels in a second language. The theoretical models for language instruction that approach language development as an integrative process will also be emphasized. Twenty (20) clock hours of field work will be required in an approved public school.
Prerequisites: EDCI 3210 and EDCI 3110.

EDCI 3222 Teaching in Diverse Settings
This course introduces contemporary evidence-based approaches to assessment-informed instructional design and teaching strategies. Emphasis is placed on developmentally appropriate practices and the differentiation of instruction to meet the needs of diverse and exceptional learners. State mandates and accountability are discussed. Instructional strategies and assessment designs that foster positive learning environments will be emphasized. Candidates engage in a field-based experience. Must be taken concurrently with EDCI 3302.
Prerequisites: EDCI 3210 and EDCI 3302.

EDCI 3224 Lang Acquisition & Dev II
This is a field experience course based on the foundations of EDCI 3220. It focuses on the implementation of second language strategies. Feedback will be given to participants by faculty, mentors, and field supervisors. Twenty (20) clock hours of field experiences in an assigned public school are required.
Prerequisites: EDCI 3210.

EDCI 3301 Assessment for Instruc Design
This course introduces contemporary evidence-based approaches to assessment-informed instructional design and teaching strategies. Emphasis is placed on developmentally appropriate practices and the differentiation of instruction to meet the needs of diverse and exceptional learners. State mandates and accountability are discussed. Instructional strategies and assessment designs that foster positive learning environments will be emphasized. Candidates engage in a field-based experience. Must be taken concurrently with EDCI 3302.
Prerequisites: EDCI 3210 and EDCI 3302.

EDCI 3220 Lang Acquisition & Dev II
This is a field experience course based on the foundations of EDCI 3220. It focuses on the implementation of second language strategies. Feedback will be given to participants by faculty, mentors, and field supervisors. Twenty (20) clock hours of field experiences in an assigned public school are required.
Prerequisites: EDCI 3210.
EDCI 3302 Teaching Eng Lang Learners
This course will focus on the implementation of first and second language instructional strategies to meet the needs of English language learners. Historical perspectives and legal aspects of teaching English language learners will be discussed. Local, state, and national models, trends and strategies to promote second language development in the content areas will be explored. Candidates will engage in a field-based experience. Must be taken concurrently with EDCI 3301.
Prerequisites: Must be in good standing with the College of Education requirements and successful completion of EDCI 1102, EDCI 2210, EDCI 3224 and PSYC 2314.

EDCI 3304 Methods, Mgt and Discipline
The objectives of the course are to assist preservice teachers to develop a sound understanding of Learner-Centered Proficiencies; ethical/legal aspects of teaching as mandated by TAC rule 230. 191; developmentally appropriate practices; and TEKS implementation. Preservice teachers will expand their knowledge and ability to use technology resources by incorporating various multimedia resources into their instructional activities to enrich teaching-learning experiences for students. This field-based course will require 77 contact hours that will be completed at a partner school.
Prerequisites: Admission to the College of Education, successful completion EDCI 3301 and either EDBE 3322, EDRD 3302 or EDCI 3302, 2.7 overall grade point average, and a 2.7 grade point average in the area of specialization and consent of department chair.
Corequisites: EDDP 4324.

EDCI 3305 Mid/Sec Sch Meth, Mgt&Dis
This course is designed to assist pre-service teachers develop a sound understanding of Learner-Centered Pedagogy, ethical and legal aspects of teaching, developmentally appropriate practices, and Texas Essential Knowledge and Skills (TEKS) implementation. This field based course will be taken as part of Block II component and will require activities that will be completed at a partner school. A grade of “C” or better must be earned to successfully complete the course.
Prerequisites: Admission to the College of Education and completion of Block I.

EDCI 3315 Impl Eff Inst Strat Div Lrnrs
This course will focus on the implementation of effective, standard-based, data-driven instruction. Emphasis will be placed on establishing collaborative and responsive learning environments, differentiation of instruction and related technological applications to meet the needs of diverse and exceptional learners, developmentally appropriate practices, and federal and state accountability mandates and required state assessments. Candidates will engage in a field-based experience. Must be taken concurrently with EDCI 4310.
Prerequisites: Must be in good standing with the College of Education requirements and successful completion of EDCI 3301 and EDCI 3302.
Corequisites: EDSE 4350.

EDCI 4199 Issues in Curriculum&Instruc
This course examines current topics in curriculum and instruction. May be repeated once when topic changes.
Prerequisites: Admission to the College of Education.

EDCI 4299 Issues in Curriculum&Instruc
This course examines current topics in curriculum and instruction. May be repeated once when topic changes.
Prerequisites: Admission to the College of Education.

EDCI 4310 Engaging Learners
The purpose of this course is to assist teacher candidates through field-based experiences in developing the knowledge and skills necessary to effectively engage diverse and exceptional students in the learning process and promote student success. Emphasis will also be placed on establishing a productive, collaborative, and responsive learning environment, as well as on management of time, materials, resources, and student behavior. Candidates will engage in a field-based experience. Must be in good standing with the College of Education requirements and successful completion of EDCI 3301 and 3302. Must be taken concurrently with EDCI 3315.
Prerequisites: Must be in good standing with the College of Education requirements and successful completion of EDCI 3301 and EDCI 3302.

EDCI 4366 Action Research-WIN
Candidates in this course will engage in an applied inquiry-based research project. As a culminating experience for no-certification education majors, this course builds upon previous knowledge of educational concepts and theories and the ability to gather information, input and interpret data from various sources, and provide supportive data-driven arguments. The project will engage candidates in classroom-based or community-based academic research in order to demonstrate their knowledge regarding young children as it informs one's own practice. EDCI 4366 is designated as a “Writing Intensive” (WIN) course in which writing will play a central role in the learning process, and in which grades earned on written work will constitute a significant portion of the course grade. Admitted to and in good standing in the College of Education.
Prerequisites: EDYC 4325 and 4335.
Corequisites: EDCI 4398.

EDCI 4393 Student Teaching
Candidates will model proficiency in evidence-based practices in learner-centered classrooms consistent with current state and professional standards, as it related to classroom management, assessment, instruction and technology in diverse classrooms. This course includes a full semester of supervised field-based experience in a public school classroom.
Prerequisites: Must be in good standing with the College of Education requirements, pass the certification TExES content exam, and successful completion of EDCI 3315 and EDCI 4310.
Corequisites: EDSE 4350.

EDCI 4398 Senior Practicum
This course will focus on the field-based supervision of students seeking teacher certification through the SB 218/HB 1130 route to satisfy internship requirements. This course must be taken during the final semester prior to graduation. 7 grade point average in the area of specialization and consent of department chair.
Prerequisites: Admission to the College of Education, successful completion of EDCI 3304 and EDDP 4324, an overall grade point average of 2.7, and a 2.

EDCI 4399 Issues in Curriculum&Instruc
This course examines current topics in curriculum and instruction. May be repeated once when topic changes.
Prerequisites: Admission to the College of Education.
EDCI 4693 Clinical Teaching
Candidates will model proficiency in evidence-based practices in learner-centered classrooms consistent with current state and professional standards, as it related to classroom management, assessment, instruction and technology in diverse classrooms. This course includes a full semester of supervised field-based experience in a public school classroom. Must be taken concurrently with EDS 450.
Prerequisites: Must be in good standing with the College of Education requirements, pass the certification TExES content exam, and successful completion of EDCI 3315 and EDCI 4310.

EDCI 4993 Student Teaching
This course will focus on field-based supervision of elementary and secondary education pre-service teachers. It must be taken during final full semester prior to graduation. 7 grade point average in the area of specialization and consent of department chair.
Prerequisites: Admission to the College of Education, completion of Block II, 2.7 overall grade point average, and a 2.

EDCI 5199 Special Issues in Curr&Inst
Course examines timely topics of concern to educators involved in making curriculum and instruction decisions. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDCI 5299 Special Issues in Curr&Inst
Course examines timely topics of concern to educators involved in making curriculum and instruction decisions. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDCI 5300 Intro to Teaching & Learning
This course provides an introduction to education for initial certification, including a survey of theories and principles of child and adolescent development, current research on appropriate instructional strategies developmentally appropriate practices, and the impact on diversity and exceptionality on teaching and learning. Effective strategies for meeting the needs of English Language Learners will be emphasized. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to the College of Education.
Prerequisites: Graduate standing.

EDCI 5301 Methods & Mgt, EC-12
Intended to assist pre-service teachers develop a sound understanding of EC-12 Learner-Centered Proficiencies; ethical and legal aspects of teaching; developmentally appropriate instructional practices, classroom management strategies, implications of diversity for teaching and learning, and TEKS. Pre-service teachers will expand their knowledge and ability to use technology resources by incorporating various multimedia resources into their instructional activities to enrich teaching-learning experiences for students.
Prerequisites: Graduate standing and admitted to and in good standing in the College of Education.

EDCI 5305 Adv Curr I issues in Edu
An introduction to the study of contemporary issues that impact the teaching and learning environment for PK-12 students and their teachers. Students identify critical issues in contemporary education, including how student diversity affects and influences instruction, and analyze those issues from a variety of perspectives. An action research project will be designed, executed and reported.
Prerequisites: Graduate standing.

EDCI 5307 Adv Tech of Curr Writing
A brief review of curriculum theory is presented. Different techniques, formats, and procedures for writing and organizing curriculum in the psychomotor, cognitive, and affective domains are explored. Appropriate procedures for writing objectives for the practical performance level and theoretical-analytical level of course organization; and the incorporation of evaluative techniques into the curriculum are addressed.
Prerequisites: Graduate standing.

EDCI 5311 Adv Curr Iss in Sec School
Centers around the development of a research interest in the broad field of curriculum & instruction within the framework of grades 6-12. Contemporary topics such as Differentiated Instruction (DI), building communities of learners, integration of technology into instructional situations, integrated learning units, character education, critical thinking skills, or other pertinent issues may be explored from the perspective of the secondary level. Emphasis will be placed upon the identification of an individual research interest.
Prerequisites: Graduate standing.

EDCI 5313 Foundations of Curriculum
Designed to provide an historical and conceptual foundation in the discipline of curriculum and instruction for those beginning their graduate work. It will cover the historical and philosophical beginnings of the traditional content taught in the public school systems in the U.S., from pre-kindergarten through completion of the academic core of post-secondary schooling. Examination of key components of the purpose and methods of instruction will punctuate the historical context to identify specific C&I elements in some of the following eras: ancient and pre-modern contributions; Pre-Colonial and Colonial America schooling; early foundations of instruction in the U.S.; implications of modern C&I; trends in post-modern C&I. A major element of the course will be the development of a research topic and subsequent student project focusing on the topic.
Prerequisites: Graduate standing.

EDCI 5315 Advanced Instructional Methods
Designed to develop enhanced knowledge and practice in the use of instructional tools and methods relating to instructional theory. Beginning with a review of theoretical foundations of instruction, the course will progress through the acquisition of additional tools for formally developing instruction to the development of an individual project centering upon an integrated learning (thematic) unit. Emphasis will be placed upon technology tools that aid development and delivery of instruction. Alternative assessment design, techniques for authentic instruction, and other concepts will be incorporated into the final project. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to and in good standing in the College of Education.
Prerequisites: Graduate standing.

EDCI 5316 Social&Cultural Studies of Ed
Engage in critical analysis of education's place in today's rapidly changing local and global society with a focus on comprehending education from historic, philosophic, social and cultural perspectives and the impact of those perspectives on current practice. Evaluate curricular and instructional perspectives and ways of viewing educational history from a theoretically informed lens. Critically examine the practices and policies used in schooling to enact decisions on curricular reforms in schooling with a critical understanding of diversity, social inequity, and equal educational opportunity.
Prerequisites: Graduate standing.
EDCI 5317 Evaluation of Curr&Inst
A thorough treatment of various standard, research-based techniques for evaluation of instruction (i.e., authentic assessments, alternative assessments, qualitative and quantitative testing methods, and non-specific measurement methods). In addition, this course explores the concepts behind assessment, identifies various assessment tools, and incorporates models of assessment appropriate for a variety of instructional settings.
Prerequisites: Graduate standing.

EDCI 5319 Adv Theories for Learning
A general survey of theories of learning as they apply to the modern classroom. The course is designed to acquaint the teacher with major historical and modern theories and their proponents of how children learn together, with implications for the schools in modern society.
Prerequisites: Graduate standing.

EDCI 5321 Collegial Coaching&Mentoring
This course addresses teacher leadership in the context of advancing the expertise and leadership of peers, thereby expanding the teacher-leader's sphere of influence beyond the walls of the classroom. Teachers explore mentoring and coaching models designed to promote the professional growth of their colleagues. They learn and apply skills for mentoring novice teachers and for engaging in coaching relationships with peers at all stages of the teacher-development cycle. Various forms of collaboration with colleagues are addressed and diversity, as well as interpersonal and communication skills, are emphasized.
Prerequisites: Graduate standing.

EDCI 5329 Action Research Design
Candidates in this course will develop, implement, and reflect upon an applied inquiry-based research project. As a culminating experience for candidates in the Master of Arts in Teaching program, this course builds upon previous knowledge of educational concepts and theories and the ability to gather information, input and interpret data from various sources, and provide supportive data-driven arguments. The capstone project will engage candidates in classroom based academic research to demonstrate their knowledge regarding learners as it informs one's own practice.
Prerequisites: Graduate standing, admitted to and in good standing in the College of Education.

EDCI 5340 Measurement & Assess in Ed
Course examines educational assessment; issues involving reliability, validity, and bias; construction of different types of tests, performance assessments, formal and informal assessment, and portfolios for specific purposes; use of assessment data for defined purposes; and best practices in educational assessment. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to and in good standing in the College of Education.
Prerequisites: Graduate standing.

EDCI 5399 Special Issues in Curr&Inst
Course examines timely topics of concern to educators involved in making curriculum and instruction decisions. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDCI 5693 Clinical Teaching
Candidates will model proficiency in evidence-based practices in learner-centered settings consistent with current state and professional standards, as it relates to classroom management, assessment, instruction and technology in diverse settings. This course includes a full semester of supervised field-based experience in a public school setting. This course may not be applied to a graduate degree. Must be taken concurrently with EDCI 5329.
Prerequisites: Admitted to and in good standing in the College of Education, passing appropriate Texas Examination of Educator Standards (TExES) content exam score, and approval by the clinical teaching or Master of Arts in Teaching (MAT) program coordinator.

EDCI 6315 Eval of Curriculum&Inst
This course is designed to provide students with the evaluation techniques necessary to analyze curriculum, educational resources, and instructional strategies. Students will apply procedures for evaluating and recommending strategies for improving the quality and effectiveness of curriculum and assessment as they relate to instruction.
Prerequisites: Doctoral Classification.

EDCI 6317 Strat for Teach Cult Plur Soci
This course will focus upon historical information and pedagogical insights concerning teaching in culturally, linguistically, ethnically and economically diverse (CLEED) classrooms and working in CLEED environments. In addition, the course will address cognitive, affective and sociocultural aspects of learning and teaching CLEED learners and issues relative to working with a CLEED workforce. (cross-listed with EDAM 6360)
Prerequisites: Approval by TAMIU doctoral program advisor.

EDCI 6335 Advanced Qualitative Methods
This course is designed to enhance participants' knowledge of qualitative research methods. In this course, participants will refine a research topic, select and develop an appropriate theoretical foundation for the study of this topic and explain the research methods that can be used to study this topic, as well as the rationale for selecting these methods. Finally, participants will enhance their knowledge and skills regarding data analysis and representation of information. Approval by TAMIU doctoral program advisor.

EDCI 6337 Adv. Quantitative Research
This course is designed to enhance participants' knowledge of quantitative research methods. In this course, participants will refine a research topic, select and develop an appropriate theoretical foundation for the study of this topic and explain the research methods that can be used to study this topic, as well as the rationale for selecting these methods. Finally, participants will enhance their knowledge and skills regarding data analysis and representation of information.
Prerequisites: Approval by TAMIU doctoral program advisor.

Dance (DANC)

DANC 1131 Dance Conditioning I
An activity class stressing the aesthetic aspects of dance. Emphasis on simple steps, movements, and combinations which build strength, flexibility, and body tone, as well as a sensitivity to music and a general awareness of form, line, and body placement.
DANC 1191 Dance Improvisation
In this course, you will learn about the fundamentals of improvisation and choreography and practice and discuss improvisation exercises that are used as tools for choreography and performance.

DANC 1241 Ballet I
Introduction to the fundamental theory, technique, and vocabulary of classical ballet.
TCCN: DANC 1241

DANC 1245 Modern I
This course serves as an introduction to the various dance techniques of Martha Graham, Paul Taylor, Bella Lewitzky, Bill Evans and other modern dance greats.
TCCN: DANC 1245

DANC 1247 Jazz I
An introduction to the style, technique, and vocabulary associated with jazz dance. Course includes a Luigi jazz warm-up providing a stretch-strength program with emphasis on correct alignment of the body. Repertoire includes classical, modern, and Broadway jazz. Individual skills emphasized, not choreography.
TCCN: DANC 1247

DANC 1341 Ballet I
Introduction to the fundamental theory, technique, and vocabulary of classical ballet.

DANC 1345 Modern I
This course serves as an introduction to the various dance techniques of Martha Graham, Paul Taylor, Bella Lewitzky, Bill Evans and other modern dance greats.

DANC 1347 Jazz I
An introduction to the style, technique, and vocabulary associated with jazz dance. Course includes a Luigi jazz warm-up providing a stretch-strength program with emphasis on correct alignment of the body. Repertoire includes classical, modern, and Broadway jazz. Individual skills emphasized, not choreography.

DANC 1349 Ballet Folklorico I
Mexican Folkloric Dance. Instruction and participation in the foot work and fundamental folk dance techniques of the different regions of Mexico. This course is designed to prepare students for dance as a performing art. Directed experiences in dance concerts and lecture demonstrations; performances and practices required.

DANC 1351 Dance Performance I
Instruction and participation in one of the following: ballet, jazz, flamenco or modern dance forms. Designed to expose students to dance concerts, lecture demonstrations, collaborative performances.

DANC 2192 Music for Dancers
Elements of music with emphasis on rhythm related to dance technique, performance, choreography, pedagogy and accompaniment. One lecture and two studio hours per week.

DANC 2241 Ballet II
Intermediate technique class in Ballet. Barre, center work and basic enchainments will be studied.
Prerequisites: DANC 1241 or permission of instructor.

DANC 2245 Modern II
Intermediate modern dance technique, floor and center work, rhythm and movement combinations.
Prerequisites: DANC 1245 or permission of instructor.
TCCN: DANC 1246

DANC 2247 Jazz II
Intermediate Jazz dance based technique, improvisation and repertory.
Prerequisites: DANC 1247 or permission of instructor.
TCCN: DANC 2247

DANC 2301 Beginning Modern
This course will introduce students to the art of Modern Dance. Students will explore traditional Modern Dance techniques as well as contemporary applications of the form. Through the bodily practice of warm-ups, technical exercises, choreographic combinations, and classroom discussions, students will gain a basic understanding of Modern Dance which will prepare them for more rigorous intermediate studies of Modern at the college level. This course is a prerequisite for DANC 3300.

DANC 2302 Beginning Ballet
This studio course will introduce students to the fundamentals of basic ballet technique, theory, and vocabulary. Students will learn improvement in balance, core strengthening, the relationship of movement to music, coordination, and self-discipline. Not only will the dance form provide physical exercise and muscle strengthening; it will also enhance the student’s awareness of self-expression through artistic movement. This course is a prerequisite for DANC 3300.

DANC 2304 Beginning Jazz
An introduction to the style, technique, and vocabulary associated with jazz dance. Course includes a jazz warm-up providing a stretch-strength program with emphasis on correct alignment of the body. Repertoire includes classical, modern, and Broadway jazz. Individual skills emphasized, not choreography.

DANC 2305 Beginning Ballet Folklorico
Mexican Folkloric Dance. The class includes instruction in the foot work and fundamental folk dance techniques from the different regions of Mexico. The course will prepare students for dance as a performing art. Participation in dance concerts is required.

DANC 2306 Beginning Flamenco
The study and performance of basic techniques and styles of Flamenco dance.

DANC 2341 Ballet II
Intermediate technique class in Ballet. Barre, center work and basic enchainments will be studied.
Prerequisites: DANC 1341 or permission of instructor.

DANC 2349 Ballet Folklorico II
A continuation of DANC 1349.
Prerequisites: Consent of Instructor.

DANC 2351 Dance Performance II
A continuation of DANC 1351.

DANC 3131 Dance Conditioning II
Continuation and progression of DANC 1131. Repeatable for credit up to two times.
DANC 3241 Ballet III
Advanced Ballet barre, center work and combinations. Introduction of partnering movements.
Prerequisites: DANC 2241 or permission of instructor.

DANC 3247 Jazz III
Advanced JAZZ based technique, center work and combinations.
Prerequisites: DANC 2247 or permission of instructor.

DANC 3301 Intermediate Modern
Intermediate level modern technique, center work and combinations in Modern dance. This is a continuation from DANC 2301.
Prerequisites: DANC 2301.

DANC 3302 Intermediate Ballet
This course is a continuation of DANC 2302. Intermediate Ballet barre, center work and combinations. Introduction of partnering movements.
Prerequisites: DANC 2302.

DANC 3304 Intermediate Jazz
A continuation of basic jazz based dance technique, center work and combinations.
Prerequisites: DANC 2304.

DANC 3305 Intermediate Ballet Folklorico
A continuation of DANC 2305 examining the cultural styles of Mexican Folkloric dance through practice and performance.
Prerequisites: DANC 2305.

DANC 3306 Intermediate Flamenco
A continuation of DANC 2306. Students will learn and perform intermediate-level movements, techniques and footwork of the Flamenco style of dance.
Prerequisites: DANC 2306.

DANC 3349 Ballet Folklorico III
A continuation of DANC 2349. Repeatable for credit for up to two times.
Prerequisites: Consent of Instructor.

DANC 4182 Concert Choreography
Conceptualization, realization, direction and production of a choreographic work for a formal and informal presentation. Three studio hours per week.

DANC 4241 Ballet IV
Advanced ballet barre, center work and combinations. Repeatable for credit for up to two times.
Prerequisites: DANC 3241 or permission of instructor.

DANC 4245 Modern IV
Advanced Modern technique, floor work and combinations. Repeatable for credit for up to two times.
Prerequisites: DANC 3245 or permission of instructor.

DANC 4247 Jazz IV
Advanced Jazz based technique, center work and combinations. Repeatable for credit for up to two times.
Prerequisites: DANC 3247 or permission of instructor.

DANC 4301 Advanced Modern
Advanced Modern technique, floor work and combinations built from skillset developed in DANC 3301.
Prerequisites: DANC 3301.

DANC 4302 Advanced Ballet
This course is a continuation of DANC 3302 focused on advanced ballet barre, center work and combinations.
Prerequisites: DANC 3302.

DANC 4304 Advanced Jazz
Advanced Jazz based technique, center work and combinations. Repeatable for credit for up to two times.
Prerequisites: DANC 3304 or permission of instructor.

DANC 4305 Advanced Ballet Folklorico
An advanced study of the various regional styles of Mexican folkloric dance.
Prerequisites: DANC 3305.

DANC 4306 Advanced Flamenco
A continuation of DANC 3306. This class focuses on advanced movement and techniques of the Flamenco style of dance.
Prerequisites: DANC 3306.

DANC 4347 Jazz IV
Advanced Jazz based technique, center work and combinations. Repeatable for credit for up to two times.
Prerequisites: DANC 3347 or permission of instructor.

DANC 4349 Ballet Folklorico IV
A continuation of DANC 3349. Repeatable for credit for up to two times.
Prerequisites: Consent of Instructor.

DANC 4351 Dance Performance IV Mod/Flam
A continuation of DANC 3351. Repeatable for credit for up to two times.

Decision Science (DS)

DS 2305 Business Statistics
Descriptive and inferential statistical techniques for business and economic decision-making. Topics include the collection, description, analysis, and summarization of data, probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis. Statistical software is used to analyze data throughout the course.
Prerequisites: MATH 1324 and MIS 1305.

DS 2310 Business Statistics I
An introductory study of statistical methods as applied to business and economic problems. Topical coverage includes descriptive statistics, set theory, probability theory, random variables, probability distributions, the normal distribution, sampling methods, sampling distributions, statistical estimation, hypothesis testing, and simple linear regression and correlation analysis.
Prerequisites: MATH 1325 with a grade of "C" or better.
DS 6320 Multivariate Statistics
The objective of this course is to introduce powerful methods for understanding and obtaining managerial insight from multivariate data. Multivariate methods studied in the course include multiple regression, confounding and interaction in regressions, dummy variables, logistic regression and Poisson regression. The class will also examine the data, interdependent techniques, and dependent techniques.
Prerequisites: Consent of the instructor and the Graduate Advisor.

Developmental Mathematics (DMAT)

DMAT 0300 Beginning Algebra
A study of real numbers, equations, linear inequalities, graphing linear equations, polynomials, and Euclidean geometry. Students completing course successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0010 or test placement.

DMAT 0301 Intermediate Algebra
A study of real numbers, linear equations, graphs of polynomials, polynomial equations, rational expressions and equations, radical expressions and equations, and functions. Students completing course successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300 or test placement.

DMAT 0314 Accelerated Inter Algebra
This course is paired with MATH 1314 and is designed to review mathematics skills, including number concepts, computation, elementary algebra, geometry and mathematical reasoning. It provides the necessary academic support for advanced developmental students concurrently enrolled in MATH 1314. Students completing the course successfully will earn University credit but not credit toward graduation.
Prerequisites: Successful completion of DMAT 0300, test placement, or recommendation of TSI academic advisor.

Diverse Populations (EDDP)

EDDP 4199 Issues in Ed of Diverse Pops
This course examines current topics in the education of diverse populations. May be repeated once when topic changes. The emphases of this course will be on the Texas Teacher Proficiencies and TExES competencies addressing diverse populations.
Prerequisites: Admission to the College of Education.

EDDP 4299 Issues in Ed of Diverse Pops
This course examines current topics in the education of diverse populations. May be repeated once when topic changes. The emphases of this course will be on the Texas Teacher Proficiencies and TExES competencies addressing diverse populations.
Prerequisites: Admission to the College of Education.

EDDP 4324 Teaching Diverse Student Pops
This course focuses on developing knowledge of how student diversity affects and influences instruction. Strategies for promoting equity and inclusion are emphasized. Preservice teachers will be engaged in field activities required of the Block II field experience. This course is designated as a Writing Intensive (WIN) course where writing will play a central role in the learning process and grades earned on written work will constitute a significant portion of the grade for the course. 60% or more of the course grade will be devoted to the evaluation of written work, including writing assignments, research projects, and exams.
Prerequisites: Admission to the College of Education, completion of Block I, 2.7 overall grade point average, and a 2.7 grade point average in the area of specialization.
Corequisites: Must be taken with EDCI 3304.

EDDP 5190 Issues in Ed of Div Pops
Course examines timely topics of concern to educators involved in making decisions regarding the education of diverse populations. The emphasis of the course will be on the Texas Teacher Proficiencies and TExES competencies addressing diverse populations. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDDP 5290 Issues in Ed of Div Pops
Course examines timely topics of concern to educators involved in making decisions regarding the education of diverse populations. The emphasis of the course will be on the Texas Teacher Proficiencies and TExES competencies addressing diverse populations. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDDP 5327 Ed Div Pops: Teach Div Stud
The major emphasis of this course is to develop a strong foundation in responding to human diversity. Includes extensive examination of strategies for promoting equity and inclusion.
Prerequisites: Graduate standing.

Early Childhood Education (EDEC)

EDEC 3364 Math&Science Prin for Young
This course provides an understanding of the integration of mathematics and scientific concepts in relation to the appropriate stages of cognitive development. Special emphasis is on content and attitudes promoting scientific investigation. Student must be admitted to the College of Education and have an overall GPA of 2.7 in order to register for this course.
Prerequisites: EDEC 1304 and EDEC 2324.

EDEC 4199 Issues in Early Childhood Ed
This course examines current topics in early childhood education. May be repeated once when topic changes. Student must have an overall GPA of 2.7 in order to register for this course.
Prerequisites: Admission to the College of Education and permission of instructor.

EDEC 4299 Issues in Early Childhood Ed
This course examines current topics in early childhood education. May be repeated once when topic changes. Student must have an overall GPA of 2.7 in order to register for this course.
Prerequisites: Admission to the College of Education and permission of instructor.
**Course Descriptions**

**EDEC 4366 Curr&Mats in EC-Grade 6-WIN**
This course provides an understanding of curriculum development principles, analyses of the learning environment and authentic assessment of student performance, program effectiveness, and appropriate classroom management and child guidance. This course is designated as a Writing Intensive (WIN) course where writing will play a central role in the learning process and grades earned on written work will constitute a significant portion of the grade for the course. Sixty percent (60%) or more of the course grade will be devoted to the evaluation of written work, including writing assignments, research projects, and exams. Student must be admitted to the College of Education and have an overall GPA of 2.7 in order to register for this course.
Prerequisites: EDEC 4362.

**EDEC 4399 Issues in Early Childhood Ed**
This course examines current topics in early childhood education. May be repeated once when topic changes. Student must have an overall GPA of 2.7 in order to register for this course.
Prerequisites: Admission to the College of Education and permission of instructor.

**EDEC 5190 Special Issues in ECE**
Course examines timely topics of concern to educators involved in making decisions regarding early childhood education. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

**EDEC 5290 Special Issues in ECE**
Course examines timely topics of concern to educators involved in making decisions regarding early childhood education. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

**EDEC 5324 Adv Study of the Young Child**
This course provides an intensive study of major theories and principles of development and learning with an in-depth analysis of aesthetic, cognitive, linguistic, social, emotional, and physical development.
Prerequisites: Graduate standing.

**EDEC 5328 Survey of Early Childhood Ed**
This course provides a thorough understanding of the foundations of early childhood education with an in-depth analysis of philosophy, theory, history, types of programs, home and community relationships, professional care, and current research implications.
Prerequisites: Graduate standing.

**EDEC 5351 Special Probs Sem in ECE**
This course provides for the identification and researching of specific problems as they relate to early childhood.
Prerequisites: Graduate standing and EDEC 5324.

**EDEC 5361 Curr & Materials for ECE**
This course provides an understanding of curriculum development principles and in-depth research analyses of the learning environment, authentic assessment of children and program effectiveness, and appropriate child guidance.
Prerequisites: Graduate standing and EDEC 5324.

**EDEC 5362 Early Literacy**
This course provides an intensive study of language acquisition, early reading and writing approaches and programs. Strategies for selecting suitable literacy materials and activities are examined.
Prerequisites: Graduate standing and six hours of early childhood coursework.

**Earth and Physical Science (EPSC)**

**EPSC 1170 Survey of Earth Science Lab**
Laboratory course to accompany EPSC 1370. Must be taken concurrently with EPSC 1370. Laboratory fee applicable.
TCCN: GEOL 1101

**EPSC 1370 Survey of Earth Science**
A survey of the natural processes at work in the atmosphere, lithosphere, hydrosphere, and biosphere of the Earth, as well as Earth's place in the universe. Includes an introduction to astronomy, geology, oceanography, and meteorology. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with EPSC 1170.
TCCN: GEOL 1301

**EPSC 2101 Atmospheric Science-Lab**
Laboratory course to accompany EPSC 2301. Practical exercises reinforce EPSC 2301 lecture material. Topics will include structure, energy, and motions of the atmosphere; climate; fronts and cyclones; atmospheric stability; clouds and precipitation; severe storms. Must be taken concurrently with EPSC 2301. Laboratory fee applicable.
TCCN: GEOL 1147

**EPSC 2301 Atmospheric Science**
Structure, energy, and motions of the atmosphere; climate; fronts and cyclones; atmospheric stability; clouds and precipitation; severe storms.
TCCN: GEOL 1347

**Economics (ECO)**

**ECO 1301 Survey of Economics**
This course introduces open market economics to non-business and non-economics students. It is intended to provide a non-technical study of the dynamics of supply and demand of commodities and services, the flow of funds among open market economies, how changes in economic indicators affect daily life, and how the daily life of individuals can affect the economy in which they live. (For non-business majors only.)
TCCN: ECON 1301

**ECO 1399 Special Issues in Economics**
This course examines selected current topics in areas relating to economics.
Prerequisites: Permission of instructor.

**ECO 2301 Principles of Macroeconomics**
Introduction to economic phenomena and issues that affect the entire economy; measurement and determination of national income, employment, and price; introduction to monetary and fiscal policy analysis; the effects of government deficits and debt, exchange rates, and trade balances.
Prerequisites: Completion of Texas Success Initiative (TSI) Mathematics requirements or appropriate level developmental course sequence.
TCCN: ECON 2301
ECO 2302 Principles of Microeconomics
Introduction to principles of economics and decision making at the individual firm, consumer, and industry level; resource allocation and the price system; demand and supply theory, theory of production and profit maximization; and interaction of demand and supply. Prerequisites: Completion of Texas Success Initiative (TSI) Mathematics requirements or appropriate level developmental course sequence. TCCN: ECON 2302

ECO 3310 Money and Banking
An introductory examination of monetary and banking systems. The material to be covered includes: functions of money and evolution of the payment systems, financial markets, understanding interest rates, the role of the Federal Reserve System, bank supervision, the international financial system, money supply and demand, the transmission mechanisms of the monetary policy, and the relations between money and inflation. Prerequisites: ECO 2301 and ECO 2302.

ECO 3320 Managerial Economics
Application of economic analysis for decision making in business; relationship between the firm, consumers and the marketplace; market structures, pricing policies, production possibilities and planning. Prerequisites: ECO 2301, ECO 2302, MATH 1324 and MATH 1325.

ECO 3325 Latin American Economics Iss
Analysis of recent and historical issues in Latin American economics, including economic development and its relation to poverty, schooling, the informal sector, agrarian issues, sustainable development; inflation; debt; trade; regional integration; infrastructure development; privatization and entrepreneurial activity; and stabilization and structural reform using case studies from Latin America. The focus of this course is on policy analysis rather than theory development. Prerequisites: ECO 2301 and Junior standing.

ECO 4199 Issues in Economics
This course examines selected current topics in areas related to contemporary economic systems. It may cover either micro- or macroeconomic issues, and can be used to introduce new economic issues to interested students. May be repeated once when topic changes. Prerequisites: Permission of instructor.

ECO 4299 Issues in Economics
This course examines selected current topics in areas related to contemporary economic systems. It may cover either micro- or macroeconomic issues, and can be used to introduce new economic issues to interested students. May be repeated once when topic changes. Prerequisites: Permission of instructor.

ECO 4310 Intermediate Macroeconomics
Determination of national income, employment, inflation, savings, interest, and investment; monetary and fiscal analysis, effects of government deficits and debt. Prerequisites: ECO 2301, ECO 2302, MATH 1324 and MATH 1325.

ECO 4320 Intermediate Microeconomics
An advanced microeconomics course that applies modern economic theory to understand firms' and consumers' decisions in the framework of utility and profit maximization. Prerequisites: ECO 2302 and MATH 1325 or equivalents.

ECO 4340 International Economics
This course examines the impact of tariffs, quotas, and subsidies on the furtherance of national economic objectives; basic economic theory and models for determining the impact of tariffs, quotas, and subsidies on the furtherance of national economic objectives; exchange rate policies, balance of payments; the role of important international trade agreements, i.e., the General Agreement on Tariffs and Trade (GATT), the European Union (EWU), and the North American Free Trade Agreement (NAFTA). Prerequisites: ECO 2301 and ECO 2302.

ECO 4360 Public Finance
Taxation and expenditure policies of government at the local, state, and federal level. Prerequisites: ECO 2301 and ECO 2302.

ECO 4380 Applied Econometrics
Introduction to the models and methods used to estimate relationships and test hypotheses pertaining to economic variables. Among the topics covered in the course are: Single and multiple linear regression analysis; functional forms; omitted variable analysis; multicollinearity; heteroscedasticity; autocorrelation. Prerequisites: ECO 2302, and DS 2310 or equivalents.

ECO 4399 Issues in Economics
This course examines selected current topics in areas related to contemporary economic systems. It may cover either micro- or macroeconomic issues, and can be used to introduce new economic issues to interested students. May be repeated once when topic changes. Prerequisites: Junior standing.

ECO 5310 Managerial Economics
This course examines the impact of tariffs, quotas, and subsidies on the furtherance of national economic objectives; basic economic theory and models for determining the impact of tariffs, quotas, and subsidies on the furtherance of national economic objectives; exchange rate policies, balance of payments; the role of important international trade agreements, i.e., the General Agreement on Tariffs and Trade (GATT), the European Union (EWU), and the North American Free Trade Agreement (NAFTA). Prerequisites: ECO 2301 and ECO 2302.

ECO 5320 International Trade Theories&Policies
This course surveys different trade theories and covers in-depth the various trade policies pursued by both developing and developed countries.

ECO 5350 Intnl Economic Geography
An in-depth examination of the locations of production, distribution, and consumption of the most important primary and manufactured goods. The scope is worldwide. Both of the main approaches to the study of economic geography, theoretical and sectoral/spatial, are covered.

ECO 6310 Seminar in Intl Economics
The course will include international economic material such as comparative advantage, gravity models, firm-level analysis of trade and foreign investment. Practical examples of identification and estimation. Econometric models such as probit/logit, tobit, multinomial logit, corner and selection models and Hausman tests. Microeconomic topics such as supply and demand and market equilibrium, utility functions and constrained optimization, game theory and models of monopoly and oligopoly. Prerequisites: Consent of the instructor and the Graduate Advisor.
Education Fitness & Sports (EDFS)

EDFS 1101 Aerobic Activities
A variety of activities to strengthen the heart, lungs, and vascular system. One hour lecture and one hour laboratory per week. This course is interchangeable with KINE 1101.

EDFS 1102 Team Activities
This course explores psycho-social concepts such as team work, effective communication and problem solving skills through a series of physical activities. One hour lecture and one hour laboratory per week.

EDFS 1103 Rhythmic Movement
Scope, content and skill practice of rhythmic movement will be explored. The candidate will have the opportunity to demonstrate effective teaching strategies to include class organization, skill development and methods. Emphasis is placed on planning and organizing activities in grades K-12.

EDFS 1104 Beginner Swimming
Instruction in the fundamentals of swimming for beginners. Two class hours per week.

EDFS 1111 Weight Training&Conditioning
Individualized conditioning programs to improve muscle strength, flexibility, and endurance. Cardiopulmonary endurance will be developed through exercises. Two class hours per week. This course is interchangeable with KINE 1111.

EDFS 1173 Varsity Athletics
Participation in varsity athletics through regularly scheduled practice sessions and games.

EDFS 2224 Team and Individual Sports
This course will provide students with the opportunity to participate in and teach a variety of team and individual sports in EC-12 public school settings. The course will introduce students to the idea of activity modification and will emphasize the tactical games approach to teaching sports in EC-12 public school settings.

EDFS 2300 Physical Fitness
This course focuses on total fitness of the individual, including physical and health related fitness, weight control, and personal wellness. This course is interchangeable with KINE 2300.

EDFS 3301 Varsity Athletics
This course introduces the candidate to the development and process of motor skill acquisition in students and methods to promote movement in the classroom.

EDFS 3305 Teaching Physical Education
This course prepares physical education teachers to teach in elementary school settings, including the application of fundamental principles of human motor development, physical fitness, manipulative skills, and rhythmical activities with children.

EDFS 3301 Coaching
This course deals with elements of current rules and mechanics of officiating individual person sports.

EDFS 3316 Health and Movement
This course prepares physical education teachers to teach in the secondary school setting, including a variety of methods designed to improve students' fitness and performance, teamwork, and skill combinations in games and sports.

EDFS 3310 Teaching Phys Ed in Sec Schools
This course prepares physical education teachers to teach in the secondary school setting, including a variety of methods designed to improve students' fitness and performance, teamwork, and skill combinations in games and sports.

EDFS 3207 Health&Phys Ed for Elem Sch
This course focuses on developmentally appropriate programs and instructional strategies for promoting health and physical activity in the classroom, along with understanding theory for teaching quality physical education to elementary school aged children. Fundamental motor skills, health-related physical fitness, safety and healthy lifestyles will be emphasized.

Prerequisites: PSYC 2314 and admitted to and in good standing in the College of Education.

EDFS 3301 Coaching
This course deals with elements of current rules and mechanics of officiating individual person sports.

Prerequisites: Junior standing and admission to the College of Education.

EDFS 3305 Teaching Physical Education
This course prepares physical education teachers to teach in elementary school settings, including the application of fundamental principles of human motor development, physical fitness, manipulative skills, and rhythmical activities with children.

Prerequisites: Admitted to and in good standing in the College of Education or department approval.

EDFS 3316 Health and Movement
This course introduces the candidate to the development and process of motor skill acquisition in students and methods to promote movement in the classroom.

EDFS 4301 Tests and Measurements
This course is designed to provide the student information and skills necessary for measuring and evaluating a variety of physical fitness components.

Prerequisites: BIOL 1371 or BIOL 2301 and junior standing.

EDFS 4399 Issues in Phys Ed & Coaching
Current issues and topics in kinesiology will be examined.

Prerequisites: Senior standing and admission to the College of Education.

Educational Admin&Supervision (EDAM)

EDAM 5199 Special Issues in Ed Adm
Course examines timely topics of concern to educators involved in making educational administration decisions. May be repeated once when topic changes.

Prerequisites: Graduate standing and permission of instructor.

EDAM 5299 Special Issues in Ed Adm
Course examines timely topics of concern to educators involved in making educational administration decisions. May be repeated once when topic changes.

Prerequisites: Graduate standing and permission of instructor.
EDAM 5301 School Administration
Organizational theories are examined. The course focuses on organizational leadership, problem solving, and decision-making techniques, their characteristics, and their applications. Must be taken within the first semester of enrollment in the program.
Prerequisites: Graduate standing and departmental admission approval.

EDAM 5305 Organization & Eval Curriculum
The course describes how the school administrator facilitates and supports the implementation of a sound curriculum and appropriate instructional strategies designed to promote optimal learning for all students.

EDAM 5313 Public School Finance
The purpose of this course is to provide an in-depth study of finance and budgeting for schools and school systems.
Prerequisites: Phase I Core Courses: EDAM 5301, EDAM 5305, EDAM 5320, EDGR 5308, and EDGR 5320.

EDAM 5315 Found of Fiscal & Facil Mgt
This course deals with systematic planning of school facilities and the learning culture. Emphasis will be placed on educational specifications in school facilities and finance and its relation to curricular outcomes. Finance will include theory and practices of business management, basic accounting, internal accounting procedures and Texas public school finance. Additionally, theory and understanding of how to build a budget for a school campus is included. Pre or Prerequisites: EDAM 5301, EDAM 5320, EDAM 5322 and EDGR 5320.
Corequisites: EDAM 5305, EDAM 5321.

EDAM 5317 Spc Tpc: Contem Pros Sch Adm
This course must be taken on a pass-fail basis and will focus on educational administration issues relating to state principal standards which emphasize instructional leadership; administrative supervision, and communication skills; curriculum and instructional management; performance evaluation; organization; and fiscal management. May be taken concurrently with EDAM 5337.
Prerequisites: Graduate standing and completion of program coursework.

EDAM 5319 Admin of School Facil & Fin
This course deals with systematic planning of school facilities including school finance and technology and its applications to curricular outcomes. Finance will include theory and practices of business management, basic accounting, internal accounting procedures and Texas public school finance. Additionally, theory and understanding of how to build a budget for a school campus is included.
Prerequisites: Graduate standing and admission to the College of Education.

EDAM 5320 Principalship
Designed to address administrative preparation, this course covers site-based management, program planning and assessment, personnel management, legal problems, public relations, pupil accounting, scheduling, facilities, finance and budgeting. Candidates enrolled in this course will complete the Youth Health, Substance Abuse, Youth Suicide and Dyslexia Trainings as required by 19 Texas Administrative Code Section 228.30(c)(2) and (3).
Prerequisites: Graduate standing and admission to the College of Education.

EDAM 5321 Leadership in Tech for Sch Adm
This course includes expectations for technology use; technology-rich school improvement processes; technology integration among faculty and staff; utilization of technology to assess, analyze and interpret student performance data to design, assess and modify students instruction; improve staff development; utilize technology based management systems to access and maintain school records and data; and the utilization of various media and formats to communicate and collaborate with stakeholders.
Prerequisites: Graduate standing and admission to the College of Education.

EDAM 5322 Public School Law
This course includes the legal basis for education, with special emphasis on the federal and state educational provisions. Candidates enrolled in this course will complete the Principal Texas Examination of Educator Standards.
Prerequisites: Graduate standing and admission to the College of Education.

EDAM 5323 Critical Issues in Education
This course examines understanding the social, cultural, political and economic conditions that are shaping the contemporary world and are the context for our present educational reforms, agenda and public discourse. Students will have opportunities to develop their own understanding and skills in becoming more effective leaders and to develop a strategies process to address emerging themes in education.
Prerequisite(s): EDAM 5301, EDAM 5305, EDAM 5320, and EDGR 5320.
Course may substitute for one of the following: EDGR 5308, EDAM 5313, EDAM 5321, EDAM 5322 or EDAM 5338.

EDAM 5324 Admin of School Personnel & Law
This course is designed to provide those students entering the field of school administration with an understanding of theories of personnel administration and law as they relate to the recruitment, selection, placement and induction, staff development, performance evaluation, salary and compensation, collective negotiations, and the legal, ethical, and policy issues in the administration of human resources.
Prerequisite(s): EDAM 5301, EDAM 5305, EDAM 5320, EDGR 5308, and EDGR 5320. Course may substitute for one of the following: EDAM 5313, EDAM 5322, EDAM 5332 or EDAM 5338.

EDAM 5325 Adv Educational Leadership
This course includes learning theories and practices in relation to teacher behavior in the classroom. Advancing Educational Leadership training required of practicing school administrators is offered in the course content. Pre or Evaluation of performance in this course is on CR/NC basis.
Prerequisites: EDAM 5301 and EDAM 5320.
Corequisites: EDGR 5320.

EDAM 5327 Adv Probs in Supervision
The course examines contemporary supervisory processes, problems and research related to effective instructional performance. Participants receive training in teacher appraisal.
Prerequisites: Graduate standing and admission to the College of Education.
EDAM 5329 The Politics of Education
This course traces the political influence on the American Educational System from the local level to the national level. Emphasis will be accorded to the role of professional leadership in responding to these political forces. Prerequisite(s): EDAM 5301, EDAM 5305, EDAM 5320, and EDGR 5320. Course may substitute for one of the following: EDGR 5308, EDAM 5313, EDAM 5332.

EDAM 5332 Educational Facil&Envir Plan
Deals with systematic planning of school facilities and the learning culture. Emphasis will be placed on educational specifications with relation to curricular processes. Prerequisites: Phase I Core Courses: EDAM 5301, EDAM 5305, EDAM 5320, EDGR 5308, and EDGR 5320.

EDAM 5335 Practicum in Sch Adm I
This course focuses on observation, shadowing, and working to solve problems with a school administrator under the guidance of a university professor. Students will be required to complete an eighty (80) hour practicum while enrolled in this course. Assignments include the implementation of techniques and styles of administrative behavior in a school setting. Prerequisites: Graduate standing.

EDAM 5336 Practicum in Sch Adm II
This course focuses on the application of administrative tasks in an internship field-based experience. The course requires the development of an action research plan for change based on a need linked to a campus improvement plan. Candidates enrolled in this course will complete an 80 practicum experience under the direction of a university professor and a school supervisor. Assignments include the implementation of techniques and styles of behavior in a school setting. Prerequisites: EDAM 5335.

EDAM 5337 School Admin Practicum
This course focuses on the application of administrative tasks in an internship field-based experience. The course requires the development of an action research plan for change based on a need linked to a campus improvement plan. The course requires one hundred sixty (160) clock hours of field work completed under the supervision of a university supervisor and a field mentor. Assignments include the implementation of techniques and styles of administered behavior in at least three different levels—elementary, middle, and high school—by the completion of the internship. Prerequisites: Graduate standing and admission to the College of Education.

EDAM 5338 Administration of Special Prog
This course focuses on the administration and supervision of special programs. Local policies related to state and federal standards will be examined. Candidates enrolled in this course will receive a digital literacy evaluation followed by a prescribed digital learning curriculum aligned with the International Society for Technology in Education. Prerequisites: Graduate standing and admission to the College of Education.

EDAM 5352 Public School Business Affairs
This course focuses on the efficient management of the financial challenges in schools. Specific areas of interest include educational planning, budgeting, and accounting. Other topics include: public and school transportation, food services, and physical plant planning. Prerequisites: Admission to the Superintendency Program.

EDAM 5354 School Public Relations
This course examines current sociological and demographic educational issues. It includes management models, communication strategies, bond election campaigns, community advisory boards, interpersonal skills, and the role of information systems. Also included are political forces and interest groups at the local, state and federal levels. Prerequisite: Admission to the Superintendency Program.

EDAM 5356 Ed Assessment, Res&Pract
This course deals with the comprehensive assessment of the educational process in school systems. Primary focus will be to gather, disaggregate, and analyze data; and to develop appropriate plans of action. Prerequisites: Admission to Superintendency Program.

EDAM 5360 The Superintendency
The emphasis of this course is on the role and responsibilities of the superintendent and central office team. Major topics are the superintendent’s relationship with the school board, legal issues, administration, staff/teacher organizations, state and federal agencies, and the challenge of educational leadership. Prerequisites: EDAM 5352, EDAM 5354, and EDAM 5356.

EDAM 5365 Superintendent Practicum
This capstone course ties together the role and responsibilities of the school system superintendent. Candidates are required to demonstrate through field work their abilities to manage, make decisions and lead at the school-system level. On the job training is required as an intern in a superintendent’s office. This course will be evaluated on a pass/fail basis. Prerequisites: EDAM 5352, EDAM 5354, and EDAM 5356 and a passing score on the TExES 195 Superintendent exam (see catalog eligibility requirements to take TExES Exams).

EDAM 5399 Special Issues in Ed Adm
Course examines timely topics of concern to educators involved in making educational administration decisions. May be repeated once when topic changes. Prerequisites: Graduate standing and permission of instructor.
EDAM 5637 Internship in Clinical Leaders
This course focuses on the application of administrative tasks in an internship field-based experience. The course entails observation, shadowing, and solving problems by working with a school administrator under co-guidance of a university professor. Students will be required to complete one full semester of field work during the regular school year or the equivalent of two-semesters during the summer. Assignments include the implementation of techniques and styles of administered behavior in at least one campus level. Also required is the development of an action research plan for change based on a need linked to a campus improvement plan utilizing quality student performance, learner-centered collaboration, continuous improvement, formative assessment, faculty support, developmental supervision, professional development strategies, community partnerships, curriculum building, high expectations, ethical treatment, organizational management, PEIMS, and the Academic Excellence Indicator System. Participants are selected by the sponsoring school district. Prerequisites: Graduate standing and completion of MS in Educational Administration degree requirements and a passing score on the TExES 068 Principal exam (see catalog eligibility requirements to take TExES Exams).
Prerequisites: Master’s degree in educational administration or its equivalent. Graduate standing and completion of MS in Educational Administration degree requirements and a passing score on the TExES 068 Principal exam (see catalog eligibility requirements to take TExES Exams).

EDAM 6307 Qualitative Research Methods
The intent of this course is to develop a theoretical understanding of qualitative research and how this theory applies to understanding of how to conduct qualitative research. This class teaches students how to collect and analyze data, conduct cross cultural research, consider ethical dimensions in conducting qualitative research, to evaluate sound methodological practices and design qualitative research studies. Program.
Prerequisites: Approval by TAMIU doctoral program advisor.

EDAM 6320 Foundations of Educational Adm
Selected historical, philosophical and sociological foundations and developmental dimensions of educational administration. Prerequisites: Approval by TAMIU doctoral program advisor.

EDAM 6324 Adm in Staff Personnel
Personnel organization and administration in school systems; relationship of individual to organization; organizational health, staffing, remuneration, appraisal, ethics, security, in-service and negotiations. Prerequisites: Approval by TAMIU doctoral program advisor.

EDAM 6326 Admin of Urban Schools
Causes and consequences of racial and socio-economic isolation, impact of school desegregation, urban school politics, alternatives for urban schools, decentralization, community control, urban population trends and housing patterns. Prerequisites: Approval of TAMIU doctoral program advisor.

EDAM 6330 Field Action Research
This course will provide doctoral students the opportunity to work with their TAMU and TAMIU research committee co-chairs in developing and exploring research topics that will lead to their dissertation development through the use of quantitative and qualitative field research methods. The students will work with their professor and their co-chairs to begin to identify the scope of their research study and appropriate plan for completion. This course is taken for credit or non-credit. Approval by TAMIU doctoral program advisor.

EDAM 6334 Orientation in Bus Prin&Proc
This course will focus upon an interdisciplinary survey approach to using management science and operations research procedures from various fields of business as a means to improve decision-making and policy-planning specifically in educational organizations. It will also focus upon the use of microcomputer applications as well as several case and field studies related to the use of business principles and procedures. Prerequisites: Approval by TAMIU doctoral program advisor.

EDAM 6349 Design&MGMT Quality Ed Sys
Fundamental theory and principles of quality in the design and management of quality educational systems; the role of processes in improving education organizations and in process-based management; principles and techniques of continuous quality improvement and the use of quality tools to understand, analyze and improve educational systems and processes. Approval by TAMIU doctoral program advisor.

EDAM 6350 Public School Law
This course provides an overview of public school law and focuses primarily on U.S. Supreme Court case law but noteworthy state and federal lower court opinions are discussed when appropriate. State legislation and administrative laws are additionally considered. Topics to be covered include employment law, law governing curriculum and instruction, compulsory education, church and state issues, teacher and student rights, discipline, liability, and law associated with equal educational opportunities for various groups including racial and linguistic minorities, individuals with disabilities, and women. Prerequisites: Approval by TAMIU doctoral program advisor.

EDAM 6352 Edu Politics, Law&Policy
The purpose of this course is to advance students’ knowledge about education policy and politics, develop skills for policy analysis, draw out implications for school improvement, and foster leadership skills for effective schools. Prerequisites: Approval by TAMIU doctoral program advisor.

EDAM 6353 Organizational Theory&Lead
This course is designed to analyze the relationship between administrative theory and practice by utilizing the literatures in organizational theory and administrative behavior and applying the concepts to administrative practice in educational settings. Case studies, debates, simulations, and role playing be utilized to supplement lectures and discussions. Prerequisites: Approval by TAMIU doctoral program advisor.

EDAM 6360 Prosem: Analy Crit Iss in Ed
This course will focus upon the exploration of critical issues in the field of education from an interdisciplinary perspective, the development of skills in analyzing an issue, exploring the impact upon diverse educational settings, formulating positions and seeking alternative solutions. (Cross-listed with EDAM 6317) Prerequisites: Approval by TAMIU doctoral program advisor.
EDAM 6387 Principles of Prof Prac in ED
Exploration of major principles and hallmarks of professional practices in the field of education, including foundations for effective decision making and leadership in diverse settings examined.
Prerequisites: Approval by TAMU doctoral program advisor.

EDAM 6399 Special Issues in Ed Adm
This course examines timely topics of concern to educators involved in making educational administration decisions. May be repeated once when the topic changes.
Prerequisites: Graduate standing and permission of department chair.

Educational Leadership (EDLD)

EDLD 5311 Ed Policy for Currclm Leaders
This course examines local, state, and federal educational policies specific to the role of educators as leaders and curriculum developers. It will include the examination of educational leadership case studies.
Prerequisites: Graduate Standing.

EDLD 5312 Ldship Mod for Currclm Leaders
This course will provide an overview of leadership models and their relationship to student learning and student achievement. Students will evaluate leadership practices that facilitate student learning and are associated with positive school culture and climate.
Prerequisites: Graduate Standing.

EDLD 5314 Data Inf Dec Mak for Clm Lds
This course focuses on the development of teachers as leaders in curriculum, assessment, research, and evaluation by using school data. Applicable laws, policies, and regulations including local, state, and federal accountability standards will be introduced.
Prerequisites: Graduate Standing.

EDLD 5316 Characts of Effec Sch Leaders
This course examines the future of school leadership roles through an analysis of effective school leaders in the American public school system. Students will explore strategies to enhance communication, and collaboration using effective leadership skills.
Prerequisites: Graduate Standing.

EDLD 5318 Ethics & Sch Ref Innov Pblm So
This course will examine the concepts of ethics and philosophy to the personal and professional aspects of educational leadership. Students will apply these concepts by examining their own belief system, fashioning reasoned decisions, thoughtful analysis, and in problem solving.
Prerequisites: Graduate Standing.

Educational Technology (EDIT)

EDIT 1300 Multimedia
This course will introduce the basics of multimedia production to students with no prior multimedia production experience. Students will have opportunities to develop interactive multimedia content using appropriate software and examine legal and ethical issues concerning the development and distribution of multimedia products. Emphasis will be placed on the application of multimedia authoring programs.

EDIT 3300 Instructional Tech Appl
The course presents pedagogical modes and strategies for effective utilization of instructional technology applications, software and hardware suitable for instruction in grades EC-12. Students will be introduced to state of the art technology tools including: computers, image capture devices, presentation tools and software. Integrated curriculum instruction technology and innovative teaching strategies incorporating collaborative and student centered methods of learning will be explored. Prerequisites: Admission to the College of Education and a 2.7 overall grade point average.

EDIT 5300 Prin of Ins Design & Learn The
This course introduces the processes, methods, and techniques involved with systematic design of instruction in P-16 educational settings. This course examines established and emerging theories of instructional design such as the ADDIE model. Learning theories explored are based on behavioral, information processing, constructivist, and sociocultural. Analysis and exploration of the relationship between theory and practice are demonstrated using a variety of technology tools. Course content should also align as applicable to the Texas Education Agency’s Technology Applications standards EC-12 and ISTE standards.

EDIT 5320 Inst Lead & Tech Integration
This engaging, intermediate-level course examines the importance and relationship between the leadership role as curriculum designers and the integration of technology in professional learning or educational classroom settings. Emphasis on practical and applicable ways to integrate technology into a P-16 curriculum using curriculum design processes, future-ready concepts, and education technology theories such as TPACK and SAMR. Inquiry into instructional leadership concepts such as adult learning and mentoring principles to build teacher capacity and support innovative change. Course content should also align as applicable to the Texas Education Agency’s Technology Applications standards EC-12 and ISTE standards.

EDIT 5322 Tech Apps Sec Sch Math&Sci
An intensive concentration on the development and enhancement of various technology applications used in the secondary science and mathematics classroom. Specific attention will be paid to skill with graphing calculators, mathematics and science software packages used in the middle school classroom, and other pertinent electronic-based resources. Significant time in the computer laboratory is a major component of this course.

EDIT 5330 Teach Learn&Assessing Dig Age
This course is an intermediate level deepening the concepts of the teaching process of planning, instruction, and assessing learning utilizing technology through research-based pedagogy and practice in a P-16 setting. This course is an inquiry into a variety of technology programs, software, applications, and tools to develop engaging and effective instructional materials and engaging student-centered lessons. Examples include using multimedia, presentation tools, social media, virtual and augmented realities, gamification, STEM, and computer science concepts. Students will design a comprehensive instructional module focusing on the teaching process and specific technology tools that enrich learning outcomes. Course content should also align as applicable to the Texas Education Agency’s Technology Applications standards and ISTE Standards.
EDIT 5340 Emerging Tech Mod & Lear Env
This advanced-level course addresses emerging and advanced technologies such as web design development, LMS, and video interaction for educational uses in a P-16 class setting. Emphasis is on using these elements for different learning environments such as in-person, blended, or virtual/remote. In this course, students analyze different models and technologies that promote active and collaborative learning such as inquiry based, flipped classroom, and project-based learning, and how to effectively implement such models in a digital context. Students in this course will create an educational website or course in an LMS. Synchronous meetings are expected. Course content should also align as applicable to the Texas Education Agency’s Technology Applications standards and ISTE Standards.

EDIT 5350 Access, Equity&Assistive Tech
An advanced level course that investigates the ways in which technology can differentiate instruction to support the needs of all students, including students with disabilities. In doing so, students will identify and classify adaptive assistive hardware and software for students with special needs and locate resources to assist in their implementation. Topics include current issues in education and laws concerning equity and accessibility for diverse learners and populations. Special emphasis will be placed on the role of digital accessibility in creating accessible and inclusive learning materials and addressing such needs through ethical digital citizenship teaching. Course content should also align as applicable to the Texas Education Agency’s Technology Applications standards and ISTE Standards.

EDIT 5360 Coll Des of Vis Multi & Print
This course will explore the design and development of computer generated instructional graphics, animation, and print based materials. Students will explore and evaluate the design and creation of graphical, iconic, and metaphoric information in interactive visual learning environments and a conceptual framework for understanding design and of development of visual materials. Students will experience hands-on projects using desktop print design and web based graphics as part of a multimedia design team. The objective will be a research-based project to produce an instructional package for a client. Prerequisites: Six semester hours of graduate level EDIT coursework or permission of instructor.

EDIT 5370 Instr Apps Interactive Video
This course deals with the use of analog and digital video in the design and creation of instructional materials. Students will explore how interactive video resources can be located, designed, created, modified, and integrated into the educational process. Video production, editing and post-production in a digital, non-linear environment and net video streaming will be emphasized. Prerequisites: Six semester hours of graduate level EDIT coursework or permission of instructor.

Elementary Education (EDEL)

EDEL 3362 Lang & Lit for Young Child
This course provides an understanding of the underlying theoretical principles and developmental patterns related to language and literacy development in children. Research-based best practices in early childhood grade settings and authentic assessment of children's progress in literacy development is emphasized. Prerequisites: PSYC 2314, Admitted to and in good standing in the College of Education.

EDEL 3374 Social Studies Prin for EC-6
This course focuses on social studies concepts and disciplines for Early Childhood through Grade 6. Special emphasis is placed on academic content established in state curriculum guidelines and standards. Prerequisites: PSYC 2314; admitted to and in good standing in the College of Education.

EDEL 3384 Science Prin for EC-Grade 6
This course focuses on scientific concepts for Early Childhood through Grade 6. Special emphasis is placed on scientific investigation strategies and academic content established in state curriculum guidelines and standards. Prerequisites: PSYC 2314; admitted to and in good standing in the College of Education.

EDEL 3394 Math Prin for EC-Grade 6
This course focuses on mathematical concepts for Early Childhood through Grade 6. Special emphasis is placed on problem-solving strategies and academic content established in state curriculum guidelines and standards. Prerequisites: PSYC 2314; admitted to and in good standing in the College of Education.

EDEL 4325 Trends/Issues Early Chhd Ed
This course provides a critical examination of current issues affecting the education and development of young children with a goal of fostering students’ global perspectives on early childhood education. The topics will include contemporary models of early childhood education, political, educational, and economic policies that shape practices in early childhood education, etc. Prerequisites: PSYC 2314, admitted to and in good standing in the College of Education.

Engineering (ENGR)

ENGR 1201 Foundations of Engineering I
Introduction to the engineering profession and disciplines; development of skills in problem solving including numbers, units, graphs and error calculation; drawing and design using CAD tools; students work in teams on an engineering design project, including construction, testing and reporting. Corequisites: MATH 2413. TCCN: ENGR 1201
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisites/Co-requisites</th>
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<tbody>
<tr>
<td>ENGR 1202</td>
<td>Foundations of Engineering II</td>
<td>Introduction to engineering ethics and professional responsibilities; development of skills in problem solving, analysis, estimation, design, and teamwork; introduction to systems engineering; computational analysis, computer programming applications. Students work in teams on an engineering design project, including construction, testing, and reporting. Prerequisites: ENGR 1201 and MATH 2413.</td>
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<tr>
<td>ENGR 1204</td>
<td>Engineering Graphics</td>
<td>Orthographical and isometric drawings. Tolerance, working drawings, three dimensional pictorials, primary and successive auxiliary view and vector graphics. Computer aided design software is used for drawing and development of systems in mechanical, electrical and welding applications. Prerequisites: ENGR 1201. TCCN: ENGR 1204</td>
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<tr>
<td>ENGR 1211</td>
<td>Foundations of Engineering I</td>
<td>Introduction to the engineering profession, ethics and disciplines, development of skills in teamwork, problem solving, logic processing, design and drawing; emphasis on computing applications and CAD tools. Corequisites: MATH 2413.</td>
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<tr>
<td>ENGR 1230</td>
<td>Principles of Innov &amp; Creativ</td>
<td>Introduction to creativity and creative problem solving techniques, innovation strategies, collective thinking in engineering. Students will be able to use a “whole-brain” approach to the study of engineering.</td>
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<tr>
<td>ENGR 2103</td>
<td>Eng Mech Statics &amp; Dynamic Lab</td>
<td>Laboratory course to accompany ENGR 2303. Laboratory exercises reinforce ENGR2303 lecture material and place importance on scientific communication and collaboration. Corequisites: ENGR 2303.</td>
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<tr>
<td>ENGR 2105</td>
<td>Principles of Elec Engr Lab</td>
<td>Laboratory course to accompany ENGR 2305. Laboratory exercises reinforce ENGR2305 lecture material and place importance on scientific collaboration. Corequisites: ENGR 2305. TCCN: ENGR 2105</td>
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<tr>
<td>ENGR 2236</td>
<td>Programming for Engineers</td>
<td>Introduction of the foundation of programming, software engineering, debugging, and using existing computational codes in the context of controlling physical equipment, gathering experimental data, and visualizing results. The course will be taught using suitable programming languages (i.e., C++, MATLAB, Python), which provides a balance between access to physical devices and modern programming concepts. Prerequisite: MATH 2414.</td>
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<tr>
<td>ENGR 2303</td>
<td>Statics &amp; Dynamics</td>
<td>Application of the fundamental principles of Newtonian mechanics to the statics and dynamics of particles and the equilibrium of trusses, frames, beams and other rigid bodies. Dynamics of moving particles, including friction, torque, impulse, and momentum. Prerequisites: PHYS 2325, PHYS 2125, and MATH 2414. Corequisites: ENGR 2103. TCCN: ENGR 2303</td>
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<tr>
<td>ENGR 2305</td>
<td>Principles of Elec Engineering</td>
<td>Fundamentals of electrical circuit analysis, AC power and electronics, intended as a terminal course in these areas for most engineering disciplines. Prerequisites: PHYS 2326 and ENGR 1202. Corequisites: ENGR 2105. TCCN: ENGR 2305</td>
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<tr>
<td>ENGR 2312</td>
<td>Cons Prin in Thermal Sci</td>
<td>Theory and applications of energy methods in engineering; conservation principles to investigate &quot;traditional&quot; thermodynamics and internal flow fluids. Prerequisites: ENGR 2321, MATH 2415 or registration therein.</td>
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<tr>
<td>ENGR 2315</td>
<td>Principles of Elec Engineering</td>
<td>Fundamentals of electrical circuit analysis, AC power and electronics, intended as a terminal course in these areas for most engineering disciplines. Prerequisites: ENGR 2321, PHYS 2326/2126.</td>
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<tr>
<td>ENGR 2321</td>
<td>Statics and Particle Dynamics</td>
<td>Application of the fundamental principles of Newtonian mechanics to the statics and dynamics of particles and the equilibrium of trusses, frames, beams and other rigid bodies. Prerequisites: PHYS 2326/2126. Corequisites: MATH 2415.</td>
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<tr>
<td>ENGR 2372</td>
<td>Engineering Statistics</td>
<td>This course will cover a variety of important topics in probability and statistics such as pictorial and tabular methods in descriptive statistics, measures of location, measures of variability, samples spaces and events, axioms and properties of probability, counting techniques, conditional probability, independence, discrete random variables and probability distributions, continuous random variables and probability distributions, joint probability distributions and random samples. The course will also demonstrate how Microsoft Excel can be used to conduct statistical analysis such as basic simple and multiple regression. Prerequisites: MATH 2414.</td>
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<tr>
<td>ENGR 2376</td>
<td>Cons Prin in Thermal Engr</td>
<td>Theory and applications of energy methods in engineering; conservation principles to investigate &quot;traditional&quot; thermodynamics and internal flow fluids; material properties. Prerequisites: ENGR 2303, MATH 2415 or registration therein.</td>
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<tr>
<td>ENGR 2380</td>
<td>Fluid Mechanics</td>
<td>Study of fluid at rest and in-motion. Topics covered in the course include fluid properties, pressures, hydrostatics, buoyancy, open system, control volume approach to conservation of mass, moment and energy. Applications includes fluid flow through pipes, dimensionless analysis, boundary layers, and lift and drag acting on object. Prerequisites: ENGR 2376.</td>
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<tr>
<td>ENGR 2390</td>
<td>Mechanics of Materials</td>
<td>Principle of material mechanics in engineering problems addressing strength and stiffness of different solid material. The course includes topics in continuum stress and strain, torsion of circular shaft, beam bending, and combined stresses applied to an object. Prerequisites: ENGR 2303.</td>
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ENGR 3231 The Engineer as an Innovator
Mentally and physically develop creative thinking skills, use creativity to generate ideas and solve problems, learn how to organize teams, avoid roadblocks to team creativity, and use the creative problem-solving process.
Prerequisites: ENGR 1230.

ENGR 3300 Engineering Economics
Principles of engineering economics including economic equivalence, time value of money, analysis of single and multiple investments, comparison of alternatives; capital recovery and tax implications; certainty; uncertainty; risk analysis; public sector analysis and break-even concepts. Interchangeable with SENG 3300.
Prerequisites: MATH 2414.

ENGR 3301 Engineering Ethics
Emphasis is placed on the developing techniques of moral/ethical analysis and their application to real and hypothetical ethical issues encountered by engineers, such as: professional employee rights and whistle blowing; environmental issues; ethical aspects of safety, risk and liability, and conflicts of interest.
Prerequisites: Junior Standing.

English (ENGL)

ENGL 1301 English Composition I
The goal of this course is to develop students' expository and analytical writing skills by guiding them through the multiple stages of the writing process and by creating an awareness of authorial voice, audience, purpose, and occasion. Students will also employ critical thinking and reading skills in the evaluation of selected readings designed to further emphasize the writing process. This course will provide an introduction to writing the documented essay, to acquiring information literacy skills, and to evaluating both printed and electronic sources. To earn credit, this course must be completed with a "C" or better.
Prerequisites: Completion of Texas Success Initiative (TSI) Writing requirements, English 1301 or appropriate level developmental course sequence.
TCCN: ENGL 1301

ENGL 1302 English Composition II
This course offers a continuation of the expository and analytical writing skills developed in English 1301 and introduces the principles of argumentation and more extensive interpretation of selected readings. Students will again be engaged in all steps of the writing process, generating argumentative essays based on thoughtful analysis and discussion of reading assignments. In addition, students will be guided through the steps of more sophisticated research writing techniques, information literacy skills, and evaluation of primary and secondary sources, culminating in a series of essay length research projects. To earn credit, this course must be completed with a "C" or better.
Prerequisites: ENGL 1301.
TCCN: ENGL 1302

ENGL 1303 Expository Writing
This introductory course is designed to give students the opportunity to explore their abilities and interests in a variety of genres. The course will emphasize the aesthetic demands of different genres through formal study of required readings and especially through first-hand experience of writing exercises. Students will write in at least two of the following genres: poetry, short fiction, drama, screenwriting, and non-fiction.
Prerequisites: ENGL 1302 with a grade of "C" or better.
TCCN: ENGL 1303

ENGL 2307 Intro to Creative Writing
This introductory course is designed to give students the opportunity to explore their abilities and interests in a variety of genres. The course will emphasize the aesthetic demands of different genres through formal study of required readings and especially through first-hand experience of writing exercises. Students will write in at least two of the following genres: poetry, short fiction, drama, screenwriting, and non-fiction.
Prerequisites: ENGL 1302 with a grade of "C" or better.
TCCN: ENGL 2307

ENGL 2311 Technical Communication-WIN
This course focuses upon the analysis and application of oral, written, and visual communication principles and practices, including strategies for interpersonal communication, effective teamwork, public speaking, and technical writing. Participants will develop written, oral, and visual components of technical communication, which include specialized processes, methods, and/or specialized knowledge sets belonging to any number of disciplines, including, but not limited to, social sciences, applied or industrial sciences, mass media, and engineering. Students will practice individual and collaborative composing processes in the creation of ethical and effective communication.
Prerequisites: Satisfactory completion of ENGL 1302 with a grade of "C" or better or equivalent course, or satisfactory completion of ENGL 1301 with a grade of "C" or better or equivalent course if enrolled in a baccalaureate program with the School of Engineering.
TCCN: ENGL 2311

ENGL 2322 British Lit Through Neoclass
A study of notable developments, works, and authors in the literature of Britain through Neoclassicism. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2322

ENGL 2323 British Lit: Romantics-Pres
A study of notable developments, works, and authors in the literature of Britain through Neoclassicism. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2323

ENGL 2327 American Lit to the Civil War
Covers major literary development, authors, and works in American literature through the Civil War. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2327

ENGL 2328 American Lit: Civil War-Pres
Introduces notable authors such as Whitman, Twain, Dickinson, James, Crane, Hemingway, Faulkner, O'Neill, Frost, Eliot, Brooks, Wright, etc. as well as evolutions in literary taste and practices. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 or equivalent course.
TCCN: ENGL 2328
ENGL 2332 Survey of World Lit to 1650
Familiarizes the student with several non-English literary traditions and gives them an understanding of the inter-relatedness of cultures and civilizations. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2332

ENGL 2333 Survey of World Lit Since 1650
A study of several non-European literary traditions in the past three centuries, including African, Indian, Persian, Chinese, and Japanese. Substantial writing required. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2333

ENGL 2365 Literature and Film
This course explores how film and literature interact. Novels, short stories and plays are analyzed in relation to film versions of the same works in order to gain an understanding of the possibilities—and problems—involved in adapting them to film.
Prerequisites: ENGL 1302 with a grade of "C" or better or equivalent course.
TCCN: ENGL 2342

ENGL 3301 Advanced Composition-WIN
Provides opportunities to expand writing skills by experimenting with a variety of genres and rhetorical conventions. This course will involve non-literary, multiple genre textual analysis as a source for writing assignments and will refine students' sense of authorial voice and style.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3302 Writing in the Disciplines-WIN
Provides opportunities for students to write in various disciplinary areas, including, but not limited to, Fine and Performing Arts, Social Sciences, Natural Sciences, and Humanities. Students engage in the writing process and compose a number of writing projects that meet the expectations of a given genre and discipline, including, but not limited to visual analysis, critical analysis, and argument-synthesis. Research and critical reading, writing, and thinking are emphasized.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3307 Special Top Non-Fic Prose Writ
Exploration of and practicum in the genre of nonfiction prose. Guided by analysis of audience, technique, and style and critical reading of the nonfiction prose of established authors, as well as by essays on creative nonfiction writing, students will practice writing about culture, family, personal identity, or significant life events with the goal of producing essays that are interesting, pertinent, and meaningful to a broad selection of readers. May be repeated when topic varies.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3311 General Linguistics
A study of the linguistic nature of language, including general language principles, phonetics, semantics, syntax, and socio-linguistics. May be taken by a student who has taken ENGL 4309.
Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3320 The Middle Ages
A study of selected authors, historical periods, literary movements, genres, themes, or cultural issues in the literature of the Middle Ages.
Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3321 The 16th Century
A study of the literature from Henry VII's ascension to the throne up through Elizabeth I's reign. The course examines cultural, social, and political developments influencing the writers under study.
Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3322 The 17th Century
A study of British Literature from the end of Elizabeth I's reign through the end of the seventeenth century. The course examines cultural, social, and political developments influencing the writers under study.
Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3323 The Restoration & 18th Cent
A study of the drama, poetry, and prose of the Restoration and the eighteenth century. The course examines cultural, social, and political developments influencing the writers under study. Authors may include Congreve, Dryden, Pope, Swift, and Samuel Johnson.
Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3324 19th Cent Brit. Lit: Romantics
A study of the poetry and fictional and/or non-fictional prose of the "Romantic" period in British Literature (roughly 1785-1830). The course examines cultural, social, and political developments influencing the writers under study. Authors may include Wordsworth, Coleridge, Byron, the Shelleys, and Wollstonecraft.
Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3325 19th Century Lit: Victorians
A study of the poetry and prose of the Victorian age. The course examines cultural, social, and political developments influencing the writers under study. Authors may include Dickens, the Bronte sisters, the Rossettis, Tennyson, George Eliot, Ruskin, Gaskell, Arnold, Darwin, and Oscar Wilde.
Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3326 British Lit from 1900 to WWII
A study of British literature from the first forty years of the twentieth century, including the literary, social, and political movements that influenced it. Authors may include Conrad, Forster, Lawrence, Woolf, Joyce, Shaw, Hardy, Yeats, and the World War I poets.
Prerequisites: Three hours of sophomore literature or instructor's consent.

ENGL 3327 British Lit from WWII to Pres
A study of the trajectory of British literature from the outbreak of World War II to today, including the end of the British Empire and the increased expansion and diversification of the literary canon. Authors may include Beckett, the Amises, Lessing, Achebe, Dylan Thomas, Larkin, Ishigur, and Zadie Smith.
Prerequisites: Three hours of sophomore literature or instructor's consent.
ENGL 3330 Early American Literature
A study of American literature from its beginning to 1836. Though the course will emphasize English language writings of the Colonial, Pre-Revolutionary, and Early Republican periods, it will also feature in translations works from the Native American oral tradition and from the Spanish and French exploration and colonization of North America. Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3331 Late 19th Century American Lit
A study of American literature from the Civil War to the beginning of World War I, featuring the emergence of American humor and realism. Authors may include Whitman, Dickinson, Twain, James, Howells, Crane, Chopin, Wharton, and Robinson. Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3332 Early 20th Century American Lit
A study of American literature from the end of World War I to the end of World War II. Readings will include such writers as Stein, Hemingway, Fitzgerald, Faulkner, Pound, Eliot, Barnes, Cather, Wharton, Hughes, O'Neill, Yezierska, Steinbeck, Hurston, and Dos Passos. Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3333 Late 20th Century American Lit
A study of American literature from World War II to the present. Readings may include selections from literary movements and schools as well as such central figures as Tennessee Williams, Flannery O’Connor, Arthur Miller, Sylvia Plath, Adrienne Rich, Allen Ginsberg, Thomas Pynchon, and Toni Morrison. Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3340 Literature in English
A study of the literature of any era that is written in English but does not originate in the United States or its territories or in England itself. Areas of study may include literature of the Commonwealth nations (e.g., Australia, Canada), of former British colonies (e.g., India, Ireland), and of English-speaking peoples in the Caribbean, Africa, and the Americas. May be repeated for credit when topics vary. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3341 Great Bks: Classic. to Renais.
An intensive study of one or two philosophical classics or a series of readings selected from the classics of Western tradition before the Renaissance, from Greco-Roman period to Renaissance. May be repeated when topic changes. Cross-listed with PHIL 3341. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3342 Great Bks: Renais. to Present
An intensive study of one or two philosophical classics or a series of readings selected from the classics of Western tradition since the Renaissance, from Cervantes to the present. Interchangeable with PHIL 3342. May be repeated when topic changes. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3351 World Mythology
A study of the nature, cause, and use of myths through wide reading in various mythologies. Special emphasis upon the effects found in American life of the Classical, Norse, and Judeo-Christian traditions, and upon myth as a contemporary phenomenon. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3352 World Folklore
A study of folklore, the processes of folklore, and the usefulness of folklore in general culture and literature. Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3361 Multicultural Children's Lit
Advanced study of the Multicultural Children's Literature genre. Special emphasis will be placed on Hispanic literature. Literature will be studied in translation and/or in the original language. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3362 Young Adult Literature
Covers the literature written for young adults (YAs) and analyzes how this literature meets the varying developmental stages of YAs. Students will conduct numerous individual and group assignments typically required of YAs providing future educators a first-hand opportunity to develop a teaching philosophy regarding the use of YA literature in the classroom. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3366 Twentieth Century Poetry
Reading of English and American poetry published since 1900 including the work of such writers as Yeats, De la Mare, Housman, Rich, Sexton, Frost, Eliot, and Plath. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3370 Survey of Film History
Historical and critical survey of American and/or international Cinema with an emphasis on its major developments both as art form and mass medium. Screenings required. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3371 Film Literature
A study of the literary and dramaturgical components of film production and interpretation. Subjects, genres, or themes may vary. Screening lab required. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 3372 History of Literary Thought
A study of the major philosophers of literature, from the ancients to the moderns. Prerequisites: Three hours sophomore literature or consent of instructor.

ENGL 3373 History of the English Lang
The study of the English language from Anglo-Saxon times to present day. Prerequisites: Three hours of sophomore literature or consent of instructor.

ENGL 4198 Undergraduate Research
Advanced students will develop a project in the field of English in consultation with and approval from the instructor that, depending upon the scope of the project, will determine the credit hours, which must be approved by the instructor prior to registration. May be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the instructor.
ENGL 4298 Undergraduate Research
Advanced students will develop a project in the field of English in consultation with and approval from the instructor that, depending upon the scope of the project, will determine the credit hours, which must be approved by the instructor prior to registration. May be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the instructor.

ENGL 4301 The Teaching of Composition
Provides an overview of modern composition theory that informs the teaching of writing in secondary and post-secondary education, including state and national standards and trends. Required for 7-12 Certification. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4302 Iss in the Teach of English
Addresses current issues in the teaching of English, ranging from pedagogical approaches to the teaching of composition to the theoretical underpinnings of English literature, language, literacy, and rhetoric. Attention is paid to national trends and state standards for individuals planning to teach English Language Arts (ELA) in secondary schools. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4306 Studies in Rhetoric
This course will examine how identity of citizenship in America is developed within the public space of democracy. Specifically, the impact of education upon citizenship identity, and how that identity acts within the social space of democracy will be evaluated. Rhetorical manifestations of democracy in action will be accomplished by readings ranging from uses of rhetoric in community dialogue, as well as national dialogues, including an examination of presidential rhetoric. May be repeated when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4307 Creative Writing
An exploration of current theory and creative writing techniques through the study of required readings and the application of techniques in students' own work. Genres covered will regularly include poetry, fiction, non-fiction and other genres offered occasionally. May be repeated for credit up to four times but not more than twice in the same genre. Prerequisites: Satisfactory completion of any sophomore-level English class, or SPAN 2307, or by consent of instructor.

ENGL 4311 Contrastive Linguistics
Designed to produce competencies in an understanding of the similarities and differences between English and Spanish and in teaching both languages to students who have one of them as a native tongue. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4313 Advanced English Grammar
Designed to produce competencies in understanding the English language in its theory, sound, words, grammar (both traditional and modern grammars), and its spelling. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4320 Studies in English Literature
Features readings in selected author, historical periods, literary movements, genres, themes, or cultural issues in English literature. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4321 Major British Authors
An intensive study of the works of one or two major British authors. May not duplicate existing major author courses. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4322 Shakespeare's Major Plays
Designed to produce competencies in the types of plays which Shakespeare wrote and techniques for understanding and critiquing them as well as exposure to the most well-known of his works. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4323 Shakespeare in Performance
An exploration of the ways Shakespeare's plays have been interpreted and reinterpreted both on the stage and in film to reflect societal or cultural assumptions at the time of production. Students will study at least four plays in the context of either stage or film productions of a given play and then perform a scene in the context of current issues. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4324 Women in Shakespeare
An examination of Shakespeare's dramatic and poetic technique in the context of his focus on women's issues and roles in society. Readings of selected plays and non-dramatic poems will relate Shakespeare's interpretations of feminine power and potential in his own time to contemporary perspectives. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4325 Studies in Shakespeare
An intensive study of the works of one or two major British authors. May not duplicate existing major author courses. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4326 Studies in Rest 18th Cent Lit
This course provides students with an in-depth examination of a topic, theme, motif, author, movement, or genre in Restoration and eighteenth-century literature. Possible topics include eighteenth-century theater traditions, female amatory fiction, poetry by women, print culture, and the domestic novel. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.
ENGL 4330 Studies in American Literature
Features readings in selected authors, historical periods, literary movements, genres, themes, or cultural issues in American literature. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4331 Major American Authors
An intensive study of the works of one or two major American authors. May not duplicate existing major author courses. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4334 American Literary Renaissance
A study of American literature between 1830 and 1880, featuring selections by such writers as Emerson, Hawthorne, Poe, Fuller, Douglass, Thoreau, Melville, Stowe, Fern, and Whitman. Prerequisites: Successful completion of the Language, Philosophy, and Culture CORE component.

ENGL 4335 Minority Voices
A study of United States culture as one of many peoples and ways of life and literature itself as a device for securing equality among them. Prerequisites: Three hours of one 3000-level ENGL course with a "C" or better or consent of instructor.

ENGL 4336 Chicano/a Literature
A study of literature written by Mexican Americans from 1848 to the present. This course explores poetry, fiction and drama from a historical and thematic approach. Prerequisites: Three hours of one 3000-level ENGL course with a "C" or better or consent of instructor.

ENGL 4339 Reading Nature in American Lit
An exploration of the changing perception of the American environment/s in literature and related arts, and the ideologies underlying such perception. Utilizing the theoretical tools of Ecocriticism, the course approaches the ways that humans have interacted with the environment in the United States and the cultural responses to such interactions. The course can be organized historically or thematically. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4340 Studies in World Literature
An intensive study of a particular period, movement, or major author of World Literature. Readings will be in English translation. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4341 Major World Authors
An intensive study of the works of one or two major non-British or non-American authors. May not duplicate existing major author courses. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of one 3000-level ENGL course with a "C" or better or consent of instructor.

ENGL 4342 The Bible as Literature
An in-depth literary study of the Bible, with emphasis on the formal features of narrative, hymn, prophecy, apocalypse, gospel, and epistle. Historical, cultural, and archaeological considerations are included. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4347 Movement and Eras
A study of the recognized literature, authors, and philosophies of any culture or nationality that can best be understood in narrow time periods and/or movements; for instance, The European Enlightenment, the Harlem Renaissance, Modernism. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4380 Philosophy in Literature
An examination of the leading trends in contemporary rhetorical theory and epistemology. Participants will study selected readings by major theorists on topics that include, but are not limited to, social epistemology, minority voices, mass media, and composition. Prerequisites: Three hours of sophomore-level ENGL or three hours of sophomore-level PHIL with a grade of "C" or better, or consent of instructor.

ENGL 4385 Literature and Gender
An introduction to literature that explores issues of gender and sexuality. The course examines questions of canonicity, difference, equality, and sexuality, and how these issues are represented in literary and other cultural contexts. Special attention will be paid to the intersections of gender with sexuality, race, class, ability, and nationality. Sample topics include women's literature, queer literature, literature and masculinity, or desire in literature. May be repeated up to three times for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4388 Existentialism
A study of the nature of human existence and experience in the philosophies of Dostoevsky, Nietzsche, Miguel de Unamuno, Kafka, Ortega y Gasset, Sartre, and Camus. May be repeated for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL or three hours of sophomore-level PHIL with a grade of "C" or better, or consent of instructor.

ENGL 4390 Studies in Language
A special topics seminar in some aspect of the study of language. The course may focus on a special problem in linguistics, heritage languages, second language acquisition, history of the language, literacy, the teaching of the language or language policy and implementation. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.
ENGL 4397 International Service Learning
Engagement in activities that combine both academic learning and community service in a foreign country. Students participate in an organized service activity that meets identified community needs. Students are required to reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility. Final service projects must be presented to a broad audience. May be combined with Study Abroad and may be conducted in English or in the language of the host country. Faculty supervisor required.
Prerequisites: Consent of instructor.

ENGL 4398 Undergraduate Research
Advanced students will develop a project in the field of English in consultation with and approval from the instructor that, depending upon the scope of the project, will determine the credit hours, which must be approved by the instructor prior to registration. Prerequisites: Three hours of sophomore-level ENGL with a grade of "C" or better, or consent of instructor.

ENGL 4399 Senior Seminar - WIN
A special topics capstone course required of all English and English Language Arts majors. Course readings, class discussions, and writings will focus on a highly defined issue in the study of literature or language. All senior seminars will require that students develop and demonstrate command of the research process and superior writing skills as this is a WIN-designated course. To earn credit for this course, students must earn a grade of "C" or better.
Prerequisites: Senior Standing in English Major.

ENGL 5300 Introduction to the Profession
This course provides intensive training in graduate-level writing, research, publication, conferences, interviewing and related topics, and is directed primarily, but not exclusively, toward students interested in continuing on to a Ph.D. program.
Prerequisites: Graduate standing.

ENGL 5301 Teaching in Rhetoric & Comp
An intensive review and evaluation of traditional, modern, and innovative theories of rhetoric and the teaching of composition. Participants will explore and apply methods for teaching composition that will prepare them to teach in higher education settings. Topics include composition pedagogy, rhetorical strategies, curriculum design, grammar instruction, and assessment practices for freshman composition courses.
Prerequisites: Graduate standing.

ENGL 5302 Special Topics in Rhetoric
An intensive study of special topics related to the study of rhetoric. Possible topics include feminist or political rhetoric, advertising or political rhetoric, visual rhetoric, or film rhetoric. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5303 Issues in Comp: Theory & App
An intensive study of topics related to modern composition theory and application that guides current trends in best practices for teaching writing. Course investigation may include assessment strategies, writing across the curriculum initiatives, grading techniques, grammar for the advanced classroom, developmental writing, peer review techniques, teaching writing in multicultiural settings, addressing ESL/ELL/EHL issues, adult literacy, and computer mediated instruction. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5304 Studies in Language
A special topics seminar in some aspects of the study of language. The course may focus on a special problem in linguistics, second language acquisition, language policy and implementation, literacy or the teaching of the language.
Prerequisites: Graduate standing.

ENGL 5305 Advanced Writing
An intensive practicum where participants will study a number of academic or technical communication genres and will practice writing in those genres with an emphasis on developing authorial writing processes, purposes, and style.
Prerequisites: Graduate standing.

ENGL 5307 South Tx Writ Proj Teach Writ
Students enrolled in this course will participate in the South Texas Writing Project's Invitational Summer Institute, an affiliate of the National Writing Project. This course will concentrate on sharing best practices in the teaching of writing with both established and pre-service teachers. Students will prepare lessons on the teaching of writing based on research and their own experience with these lessons. Participants will leave this course with twenty or more lessons and a number of additional strategies for teaching writing to students from kindergarten through college. Must be concurrently enrolled in English 5308.
Prerequisites: Permission from South Texas Writing Project site director.

ENGL 5308 South Tx Writ Proj Writ/Resrch
Students enrolled in this course will participate in the South Texas Writing Project's Invitational Summer Institute, an affiliate of the National Writing Project. This course will concentrate on the student's own development as a professional writer and on pursuing research in the area of teaching writing. Students will produce several pieces of writing suitable for possible publication and will focus on a research question germane to the teaching of writing. Prerequisite: Permission from South Texas Writing Project site director. Must be concurrently enrolled in English 5307.
Prerequisites: Permission from South Texas Writing Project site director.

ENGL 5321 Studies in Medieval Literature
An in-depth study of medieval literary milieu, focusing on a theme, author, genre, or literary movement of the medieval period. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5322 Studies in 16th Century Lit
An in-depth study of British literary milieu, focusing on a theme, author, genre, or literary movement of the sixteenth century. Possible topics include More, Spenser, Humanism, or the Reformation. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.
ENGL 5323 Studies in 17th Century Lit
An in-depth study of British literary milieu, focusing on a major author, theme, or literary movement of the seventeenth century. Possible topics include Bacon, Jonson, Metaphysical poets, non-Shakespearian drama, women writers, or the English Civil Wars. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5324 Mjr Thms Brit Lit 18th Ctry-Pr
An exploration of diverse themes in British and/or British colonial literature from the dawn of the Enlightenment (eighteenth century) to the present day—effectively, the period of Britain's emergence as a world power and of its literary products' status as world literature. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5325 Chaucer
Survey of major works of Chaucer with significant textual and critical information about his works. Works include The Canterbury Tales, Troilus and Criseyde, and other major and minor works.
Prerequisites: Graduate standing.

ENGL 5327 Shakespeare
This course is designed to take students through an intensive study of William Shakespeare's works. Students will conduct research on the historical, social, and cultural issues of sixteenth/seventeenth century England in order to contextualize the works under study.

ENGL 5328 Milton
Survey of the major writings of Milton as they relate to the politics, history, and culture of England during the reign of Charles I, the Interregnum, and the Restoration. Works include Areopagitica, Paradise Lost, Paradise Regained, and Samson Agonistes.
Prerequisites: Graduate standing.

ENGL 5332 Studies in 19th Century Am Lit
An in-depth investigation of American literary milieu, focusing on theme, author, genre, or literary movement of the nineteenth century. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5333 Studies in 20th Century Am Lit
An in-depth investigation of American literary milieu, focusing on theme, author genre, or literary movement of the twentieth century. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5341 Postcolonial Studies in Engl
An exploration of postcolonial literature and theory, ranging from literature in transnational or global terms and "postcolonial studies" itself as contested terrain. Emphasis is on readings produced in the historical, political, and cultural contexts of European colonialism in Africa, India, and the Caribbean.
Prerequisites: Graduate standing.

ENGL 5342 Global Literature in English
An in-depth investigation of the literature of any era that is written in English but does not originate in the United States or its territories or in England itself. Areas of study may include literature of Commonwealth nations (e.g., Australia, Canada), of former British colonies (e.g., India, Ireland), and of English-speaking peoples in the Caribbean, Africa, and the Americas. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5343 The Continental Novel
Survey of major works by such novelists as Goethe, Balzac, Flaubert, Zola, Dostoyevsky, Tolstoy, Mann, and Solzhenitsyn.
Prerequisites: Graduate standing.

ENGL 5345 Issues in Comparative Lit
An in-depth study of an area of literature and film from a comparative perspective. The literary works and films under consideration may not have been originally written or produced in English. The course may deal with a specific period, area, theme, or genre. Readings and instruction are in English. May be repeated for credit when topics vary.
Prerequisites: Graduate Standing.

ENGL 5381 Survey Literary Theory & Crit
A survey of the history and philosophy of literary criticism beginning with antiquity and continuing through the modern period to the present.
Prerequisites: Graduate standing.

ENGL 5382 Theory & Practice of Lit Crit
An examination of selected theories in and approaches to literary studies. Course may be repeated for credit when topic changes.
Prerequisites: Graduate standing.

ENGL 5383 Hist of Rhet: Class-18th Cent
An in-depth study of Rhetoric as a discipline, focusing on works of rhetoricians from Classical times through the eighteenth century. The relationship between rhetoric and philosophy and between rhetoric and education will be addressed. Primary texts may include works by Plato, Aristotle, Cicero, Quintilian, Augustine, Erasmus, Francis Bacon, John Dryden, George Puttenham, Hugh Blair, and George Campbell.
Prerequisites: Graduate standing.

ENGL 5384 Hist of Rhet: 19th-Present
An in-depth study of Rhetoric as a discipline, focusing on works of rhetoricians from the nineteenth century to the present. Scottish rhetoric and belles lettres and the influence of these movements on contemporary rhetorical theory will be addressed. The relationship between rhetoric and philosophy and between rhetoric and education will be addressed, along with the role of rhetoric in various modern day political movements and literary genres.
Prerequisites: Graduate standing.

ENGL 5385 Gender Studies
An in-depth study of the methods of literary criticism and interpretation, exploring the different representations of women and men, constructions of femininity and masculinity, and sexual politics. Special attention will be paid to the intersections of gender with race, class, and nationality. An interdisciplinary focus will allow the students to compare different textual, theoretical, philosophical, historical and/or cross-cultural perspectives on gender. May be repeated for credit when topics vary.
Prerequisites: Graduate standing.

ENGL 5398 Thesis I: Proposal & Research
This course is designed to be the first step towards the successful completion of the English thesis. Students schedule the coursework in consultation with their thesis directors. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on draft. If the grade of NC is received, the student must enroll again for credit.
Prerequisites: Graduate standing and 18 SCH or consent of the thesis director.
ENGL 5399 Thesis II: Comp & Defense
This course is designed to be the final step towards the successful completion of the English thesis. Students schedule the coursework in consultation with their thesis directors. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their graduate committee. If the grade of NC is received, the student must enroll again for credit. Prerequisites: ENGL 5398: Thesis I or consent of the thesis director.

Environmental Science (ENSC)

ENSC 1101 Intro to Environmental Sys Lab
An introductory laboratory course for majors and non-majors that emphasizes the principles of environmental science. Students will conduct observational and manipulative experiments that examine effects of environmental factors on the biology and ecology of an ecosystem. The course will also involve discussions of case studies in environmental sustainability. Must be taken concurrently with ENSC 1301. TCCN: ENVR 1101

ENSC 1301 Intro to Environmental Syst
An introductory course for majors and non-majors that applies the principles of the scientific method and critical thinking to environmental issues through a multidisciplinary approach. Students will gain an understanding of biotic interactions in environmental systems and the human impact as it relates to public policy and natural resource use. The course will focus on environmental sustainability and the ecological principles essential to understanding processes in environmental systems. This course is a prerequisite for ENSC/Biol 3401 and must be taken concurrently with ENSC 1301. TCCN: ENVR 1301

ENSC 3310 Environmental/Natural Res Con
Principles of ecology and resource management. The course outlines many of the national and international environmental problems and offers legislative, technological and methodological solutions to these problems. Prerequisites: ENSC 3401.

ENSC 3340 Environmental Reg&Policies
A study of American Environmental Regulations. Topics include Clean Water Act, RCRA, UST, CERCLA, EPCRA, NEPA, TSCA, OSHA, FIFRA. Will include site visits.

ENSC 3401 Environmental Sciences
An interdisciplinary course including the following topics: ecosystems, population dynamics, flow of energy, solid wastes, control of weeds and pests, environment and human health and anthropogenic effects on the environment. Lab fee: $27.25 (Cross-listed with BIOL 3401) Prerequisites: Eight hours of major’s biology or permission of instructor.

ENSC 4170 Senior Seminar
A discussion of research and current topics in environmental sciences. Required of environmental sciences minors in their senior year.

ENSC 4173 Undergraduate Research
A course adapted to the study of special topics in environmental sciences. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with approval of the instructor prior to registration. Lab fee: $27.25. Prerequisites: Permission of instructor.

ENSC 4273 Undergraduate Research
A course adapted to the study of special topics in environmental sciences. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with approval of the instructor prior to registration. Lab fee: $27.25. Prerequisites: Permission of instructor.

ENSC 4340 Environmental Reg & Policies
This course examines United States environmental policy and regulation from a range of perspectives. The course will emphasize the continual struggle to protect natural resources while sustaining society and culture. It will also explore how environmental regulations have been influenced by historic events, economic, and cultural needs. There will be an emphasis on environmental laws, jurisdiction, stakeholder participation/responsibility, enforcement and sustainable development. (Formerly ENSC 3340). Prerequisites: 8 SCH of natural science and junior or senior standing.

ENSC 4373 Undergraduate Research
A course adapted to the study of special topics in environmental sciences. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with approval of the instructor prior to registration. Lab fee: $27.25. Prerequisites: Permission of instructor.

ENSC 4410 Environmental Toxicology
The course serves to provide an introduction to environmental poisons. Topics include general principles of toxicology, biotransformations, testing procedures, target organs, toxic substances and risk assessment including the toxicity of metals and pesticides. Lab fee: $27.25. (Formerly ENSC 4310) Prerequisites: Twelve hours of biology and/or environmental sciences or permission of instructor.

ENSC 4420 Environmental Microbiology
An overview of the relationship between microbial metabolism, physiology, and the environment. The application of modern microbiological concepts to address and solve current environmental problems is emphasized. Topics include air, water and soil microbiology, geochemical activities of microbes, biotransformations, pollution, pollution abatement using microbes. Lab fee: $27.25. (Cross-listed with BIOL 4420/5420) Prerequisites: BIOL 2421 or permission of instructor.

ENSC 4430 Limnology
Study of the structure and function of inland waters, ecology of freshwater systems such as lakes, ponds, rivers, and streams. Topics include physical and chemical properties of freshwater, habitats, biotic composition, productivity water use. Lab fee: $27.25. (Cross-listed with BIOL 4430) Prerequisites: BIOL 3410 or permission of instructor.
ENS 4473 Undergraduate Research
A course adapted to the study of special topics in environmental sciences. For advanced students capable of developing a problem independently through conference and activities directed by the instructor. Problem is chosen by the student with approval of the instructor prior to registration. Lab fee: $27.25.
Prerequisites: Permission of instructor.

Family Nurse Practitioner (NFNP)

NFNP 5211 Diagnostic Lab Applications
This two credit hour course is composed of theory, diagnostic procedures, invasive treatments and protocols designed for the advanced practice nurse. The students will acquire both noninvasive skills and invasive skills in the clinical management of acutely and chronically ill clients.
Prerequisites: NFNP 5303 and NFNP 5406.

NFNP 5301 Theoretical Foundations Nurs
The focus of this course is on the exploration of selected theories and conceptual frameworks, and their relationship to nursing practice and research. Emphasis is on the utilization of theories and models in nursing as a relationship to nursing practice to provide a caring, comprehensive, and holistic approach to health care within a multicultural society.
Prerequisites: Admission to the MSN program or permission of faculty.

NFNP 5302 Research Methods/Design in Nur
This course focuses on the study of a variety of designs and methods of the research process to prepare students to be proficient in the evaluation and utilization of research within the clinical practice setting. Students will have the opportunity to critically examine reported research to determine the utilization of scientific knowledge in order to provide high quality nursing health care, initiate change, and improve patient outcomes. Legal and ethical issues related to research in health care are explored and discussed. The interrelationships of theory, research, and practice that serve as the basis for clinical and organizational decision-making are analyzed using informatics and statistical principles.
Prerequisites: Admission to the MSN program.

NFNP 5303 Adv Patho for Adv Pract Nsrg
This course is a comprehensive study of underlying concepts common to the major pathophysiologic processes of the body. The focus of this course is on the interaction of age, lifestyle, culture, gender differences, and intrinsic and extrinsic environmental factors on the dynamic aspects of physiologic mechanisms altered by disease in the human organism. Emphasis is on the pathophysiological concepts essential for understanding the rationale for preventive and therapeutic treatment/intervention.
Prerequisites: Admission to the MSN program or permission of faculty.

NFNP 5304 Advanced Practice Role
This course explores the advanced practice roles of educator, change agent, researcher, advocate, clinician, consultant, collaborator, and manager of systems. The historical development and acceptance of the nurse practitioner and other advanced practice roles are traced through nursing practice acts, requirements imposed by state nursing boards, national certification efforts, third party payment systems, and various professional organizations. Selected issues such as the scope of practice and political, economic, and legislative influences are analyzed.
Prerequisites: NFNP 5301 and NFNP 5302.

NFNP 5305 Adv Pharmacotherapeutics
This course covers the essentials of clinical pharmacological therapeutics for advanced practice nursing. Recommended pharmacological agents and their alternatives for disease management, illness prevention and health maintenance will be discussed based on patient age, life style, culture, expected outcomes, protocol utilization, cost and other health conditions.
Prerequisites: NFNP 5303.

NFNP 5310 Div & Social Issues in Hlth Ca
This course explores health care policy and financial, cultural, and ethical issues in patient care. The goal is to create leaders who provide culturally competent care and contribute to the development of policies to reduce health disparities.
Prerequisites: NFNP 5302.

NFNP 5406 Adv Health Assessment
This course explores the method of collecting a comprehensive database, including complete functional assessment, health history, and physical examination for patients of all ages and in all phases of individual and family life style. Students will learn key symptom-focused physical exams. Emphasis is on concise communication of findings maintaining privacy and meeting legal standards of documentation. Students will begin formulating differential diagnoses after interpreting the collected data. The clinical portion offers the opportunity to perform and interpret assessments on patients.
Prerequisites: Admission to the MSN Program or permission of faculty.

NFNP 5407 Wellness and Health Promotion
This course is designed to develop theoretical and clinical competencies of the FNP in health promotion of individuals and families in diverse populations in a variety of settings. The course focuses on concepts and skills of health promotion, disease prevention, and health maintenance. The emphasis is on: (1) developing advanced practice skills in comprehensive assessment and management strategies that reflect current nursing and medical knowledge to improve patient outcomes; and (2) evidence-based practice and theory in the promotion of health and prevention of disease across the life span, in the context of healthy communities.
Prerequisites: NFNP 5303, NFNP 5305, NFNP 5406.

NFNP 5509 Mgt of Acute&Chronic Illness 2
This course is designed to develop theoretical and clinical competencies of the FNP in health promotion of individuals and families in diverse populations in a variety of settings. The course focuses on concepts and skills of health promotion, disease prevention, and health maintenance. The emphasis is on: (1) developing advanced practice skills in comprehensive assessment and management strategies that reflect current nursing and medical knowledge to improve patient outcomes; and (2) evidence-based practice and theory in the promotion of health and prevention of disease across the life span, in the context of healthy communities.
Prerequisites: NFNP 5303, NFNP 5305, NFNP 5406.
FIN 3311 Personal Finance
An introduction to the planning process for wealth accumulation. It is for business students only, and will examine: the definition of financial goals, the process and procedures for money management, the management of taxes, housing decisions, life, health and property insurance issues, and investment decisions. Retirement and estate planning are integral topics for each of the topics above.
Prerequisites: Junior standing.

FIN 3320 Financial Institutions & Markets
This course examines the various aspects of interest rates: the relationship between interest rates and security prices; instruments and functions of money; bond and stock markets; financial derivative markets; government influence on financial markets; the role of commercial banks and the regulatory system; international banking operations; and non-bank financial institutions.
Prerequisites: ECO 3310 or FIN 3310.

FIN 3330 Investments
An introduction to security pricing theories, security analysis, and portfolio theory and management. The material to be covered will include: securities markets and instruments, investment models, and international investment.
Prerequisites: DS 2310 and FIN 3310.

FIN 3331 Risk Management
An introductory study of the nature of risk and risk-management and their effects on a commercial enterprise. The material to be covered will include: the goals of risk management, procedures to be used in the identification and measurement of risk (including probability analysis of data and facilities), a review of risk-management mechanisms and procedures, and the selection and implementation of these risk-management techniques.
Prerequisites: FIN 3310.

FIN 3360 Managerial Finance
An examination of short-term as well as long-term managerial financial decision. The material to be covered will include: working capital management, capital budgeting theory and analysis, capital structure theory and decisions, and dividend theory and policy.
Prerequisites: FIN 3310.

FIN 4199 Issues in Finance
Selected current topics for special study related to corporate finance, investments, financial institutions and markets, real estate and other finance related topics. May be repeated once when topic changes.

FIN 4299 Issues in Finance
Selected current topics for special study related to corporate finance, investments, financial institutions and markets, real estate and other finance related topics. May be repeated once when topic changes.

FIN 4335 Portfolio Management
An introduction to the basic concepts and principles of portfolio management. The construction of stock and bond portfolios, the analysis past performance, risk assessment, and the use of factor models will be covered in this class.
Prerequisites: FIN 3330.

FIN 4345 Derivatives
An introduction to the study of financial derivatives. Topics covered include options, forwards & futures, derivatives for risk management, options trading strategies, the binomial options pricing model, and the Black-Scholes options pricing model.
Prerequisites: FIN 3330.

FIN 4370 Commercial Bank Mgt
An examination of the general management problems and policies of banks. The material to be covered will include: balance sheet management (liquidity, liabilities, spread management, and investment management), capital adequacy, cost of funds, bank profitability, planning and management systems, and the regulatory environment.
Prerequisites: ECO 3310 and FIN 3310.

FIN 4380 International Finance
This course is designed to familiarize students with the fundamentals of the international financial environment and international financial markets. The emphasis will be on management perspectives such as export/import financing techniques, the identification and management of exchange risk, and issues arising in the financing of foreign affiliates.
Prerequisites: FIN 3310.

FIN 4385 Strategic Financial Mgt
An applied course on the use of financial tools for business financial decision-making and strategy formulation. This course will be used to illustrate short-term as well as long-term effective financial decision-making.
Prerequisites: FIN 3360 or consent of instructor.
FIN 4399 Issues in Finance
Selected current topics for special study related to corporate finance, investments, financial institutions and markets, real estate and other finance related topics. May be repeated once when topic changes. Prerequisites: Junior standing.

FIN 5199 Spe Iss in Intl Banking&Fin
This course examines selected current topics in the areas related to international banking and finance. May be repeated once when topic changes.

FIN 5299 Spe Iss in Intl Banking&Fin
This course examines selected current topics in the areas related to international banking and finance. May be repeated once when topic changes.

FIN 5310 Financial Management
This course focuses on the analysis, evaluation, and application of contemporary theories of finance. Material covered includes: the financial environment, valuation concepts, capital budgeting, capital structure and dividend policy, working capital management, issue in international finance, mergers and acquisitions, and long-term financing.

FIN 5320 Intnl Financial Markets&Inst
This course covers financial markets and institutions on both an international and a domestic basis. Topics covered include interest rate mechanics, central banking practices, regulatory environment and ethical dilemmas in banking, types of securities traded, and an in-depth discussion of both depository and non-depository institutions.

FIN 5330 International Investments
This course discusses the theories and determinants of cross-border investment opportunities. It provides detailed description and techniques of analysis used in international portfolio investments and includes the costs and benefits of international diversification. The course also reviews current techniques for hedging risks in international portfolio investments.

FIN 5340 Intnl Working Capital Mgt
This course focuses on decisions and problems faced in managing the short-term financing operations of firms on both a domestic and international basis. Major topics include cash management and forecasting, banking relations, management of short-term investments, receivables and inventory management problems, and the movement of funds both within various domestic economies and across national borders.

FIN 5370 Global Bank Management
This course examines the general management problems and policies of banks operating in a global environment. Topics include balance sheet management (liquidity, liabilities, spread and investment management), cost of funds, capital adequacy, bank profitability, planning and management systems, and the regulatory environment.

FIN 5380 International Finance
This course provides a comprehensive macroeconomic study of exchange rate determination, exchange rate mechanisms and markets, international parity relationships, the forecasting of exchange rates and measurement of exchange rate exposure, and international trade financing.

FIN 5390 Sem In International Banking
This course will include coverage of advanced cross-border bank management problems and solutions, use of derivative securities in successful bank management, techniques and practices of bank analyses, improvements in cross-border bank clearing systems and practices, and applications of technology to bank management.

FIN 5399 Spe Iss in Intl Banking&Fin
This course examines selected current topics in the areas related to international banking and finance. May be repeated once when topic changes.

FIN 6310 Seminar in Intl Finance
The class will include the following topics: Exchanges rates (concepts, theories), international markets (stocks, bonds, currency, spot, futures, options, swaps, market efficiency, forecasting), international capital structure, international corporate governance, international asset pricing, international diversification (merger and acquisitions, home bias). Prerequisites: Consent of instructor and the Graduate Advisor.

FIN 6315 Seminar in Corporate Finance
The purpose of this course is to appraise both theoretical and empirical work in modern corporate finance. Topics discussed in this course include theory of the firm, empirical methods, capital structure, investments and financial constraints, financial distress and bankruptcy, financial intermediaries, corporate governance (executive and employee compensation, shareholder activism) agency theory, merger and acquisitions, IPOs and dividend policy. Prerequisites: FIN 6310.

FIN 6320 Seminar Financial Mkts&Inst
The seminar will summarize the theoretical and empirical literature in the area of financial markets and financial intermediaries. The topics to be included are: theory of banking, bank regulation, loan contracting, relationship lending, contagion and systemic risk, credit risk and corporate governance in banks. In addition, this course will assess the econometric tools used in finance research. Prerequisites: FIN 6310.

FIN 6330 Seminar in Investments
This seminar covers both the theories and empirical bodies of literature regarding investments. Major topics to be covered include choices under uncertainty, the state preference theory, mean-variance efficiency, modern portfolio theory and the capital asset pricing model, asset pricing with higher moments, empirical methods, anomalies in the cross section of returns, options and futures, bond yields and interest rates, mutual funds, and market efficiency and behavioral finance. Prerequisites: FIN 6310.

FIN 6335 Intro to Fin Econometrics
This course covers classical linear regression including methodologies and techniques associated with problems of heteroskedasticity and serial correlation. The course also includes topics in probability theory, matrix algebra, statistics and principles of maximum likelihood estimation/quasi maximum likelihood estimation. Prerequisites: Consent of instructor.
**FIN 6340 Adv Financial Econometrics**
The class covers the following topics: panel regression including random effects, fixed effects and dynamic panel models, quantile regression, generalized method of moments estimation, propensity score matching and difference-in-difference models, non-parametric density estimation including kernel and nearest neighbor methods, regression discontinuity models, instrumental variable regression including 2 SLS and 3 SLS and introduction to bootstrapping.
Prerequisites: FIN 6335

**FIN 6350 Times Series Econometrics**
This course will include the following topics: stochastic processes, stationarity/ergodicity, autocorrelation and serial correlation, ARMA models, vector auto-regression, GARCH/ARCH/EGARCH models, unit roots, cointegration, regime dependent models, forecasting.
Prerequisites: FIN 6335 and FIN 6340

**French (FREN)**

**FREN 1311 Elementary French I**
An oral and written introduction to French for students with no prior knowledge of the language. Through pattern drills, the course stresses acquisition of vocabulary, pronunciation, and the formation of sentences in everyday conversation. Three hours plus one hour lab.
TCCN: FREN 1411

**FREN 1312 Elementary French II**
A continuation of FREN 1311, with added stress on the written language. Three hours plus one hour lab.
Prerequisites: FREN 1311 or equivalent course.
TCCN: FREN 1412

**FREN 1620 Elementary French I and II**
An intensive oral and written introduction to French for students with no prior knowledge of the language. Through pattern drills, the course stresses acquisition of vocabulary, pronunciation, and the formation of sentences in everyday conversation. Six hours plus one hour lab. (Cross-listed with FREN 1311 and FREN 1312)

**FREN 2311 Intermediate French I**
Review of grammar introduced in FREN 1311 and 1312; readings of average difficulty in French; practice in conversation and composition.
Prerequisites: FREN 1312.
TCCN: FREN 2311

**FREN 2312 Intermediate French II**
Continuation of FREN 2311 with more advanced readings.
Prerequisites: FREN 2311.
TCCN: FREN 2312

**FREN 2620 Intermediate French I and II**
An intensive intermediate French course for students who have finished the beginning French course sequence (FREN 1311 & FREN 1312). Review of grammar introduced in FREN 1311 and 1312; readings of average difficulty in French; practice in conversation and composition. Six hours plus one hour lab. (Cross-listed with FREN 2311 and FREN 2312).
Prerequisites: FREN 1312.

**FREN 3303 French Culture & Civilization**
This is a survey course for students interested in understanding francophone culture from general concepts of culture to different art expressions. The course focuses on communication in contexts that develop and consolidate students' speaking, listening, reading, and writing skills. It utilizes films, cultural readings, and literary selections that expose students to poems, essays, and short stories by writers from diverse francophone countries.
Prerequisites: FREN 1311 and 1312, or FREN 1620, or FREN 1311 and permission of instructor.

**FREN 3304 French & Francophone Cinema**
This course is a survey of French and Francophone cinema from the earliest productions to the contemporary period. It will analyze the social and historical conditions that gave rise to the landmark films. Topics for discussion include the impact of history, politics, literature, class, ethnicity, gender, colonialism, migration on selected films.
Prerequisites: FREN 2312 or equivalent.

**FREN 3305 Intro to the French Literature**
Application of French grammar and vocabulary with emphasis on idiomatic constructions and expressions. Intensive French conversation based on cultural topics and current events will lead to a natural and colloquial usage and fluency.
Prerequisites: FREN 2312 or equivalent.

**FREN 3306 French Conversation**
A continuation of FREN 1311, with added stress on the written language. Three hours plus one hour lab.
Prerequisites: FREN 1311 or equivalent course.
TCCN: FREN 1412

**FREN 3307 Trans FREN>ENGL, ENGL>FREN**
Introduction to techniques for written and sight translation in a variety of text categories relating to nursing, advertising, commerce, education and politics. Provides students with the tools to identify, analyze, and resolve translation problems of short text, while developing practical translation skills.
Prerequisites: ENGL 1302, and FREN 2312 or equivalent.

**General Graduate Education (EDGR)**

**EDGR 5130 Thesis**
This course is designed for continuous matriculation for the successful completion and defense of the thesis. Candidates who do not successfully defend their thesis will receive a grade of "In Progress (IP)". When an IP is obtained, candidates must continuously enroll in subsequent semesters, including the summer term, until the thesis is satisfactorily completed. The IP will change to "Credit (CR)" upon successful completion of the thesis. If a student fails to continuously enroll in the thesis, the grade will change to "No Credit (NC)". This course may be repeated as many times as needed to successfully complete the thesis.
Prerequisites: Successful completion of EDGR 5330.

**EDGR 5308 History&Philosophy of Ed**
School practices in the light of basic assumptions of philosophy are examined to stimulate critical thinking and promote equity and excellence within each instructional environment.
Prerequisites: Graduate standing and departmental admission approval.
EDGR 5320 Fundamentals of Ed Research
This course provides the competencies required for a critical understanding, evaluation, and utilization of published educational research. The course addresses quantitative as well as qualitative research methods. Topics include problem formulation and refinement; research design; sampling; measurement and data collection; data analysis techniques; and the inference process. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to and in good standing in the College of Education.
Prerequisites: Graduate Standing.

EDGR 5323 Data Driven Decision Making in Ed
This course explores key issues in educational research and practice, particularly the focus on test scores to measure student achievement and educational effectiveness. It will examine what test scores, as well as other school-based data, mean. Further, a discussion on how to descriptively analyze educational data, interpret data, and use data to make decisions about student learning and school improvement.
Prerequisites: Graduate standing and admission to the College of Education.

EDGR 5325 Introductory Statistics in Ed
This course introduces students to the basic tools of statistics. These tools are fundamental to understanding and conducting educational research. The course is designed to improve students’ confidence in reading and interpreting quantitative research studies that include statistical analysis. It also provides opportunities for students to apply statistical tools to education and related social science data. The course covers descriptive statistics, inference from samples, hypothesis development and testing, and the basics of regression analysis.
Prerequisites: EDGR 5320.

EDGR 5330 Thesis
This course is designed to provide guidance for the completion and defense of the thesis. This course is taken for credit or non-credit. Candidates who do not successfully defend their thesis will receive a grade of "In-Progress (IP)". When an IP is obtained, candidates must continuously enroll in EDGR 5130 in subsequent semesters, including the summer term, until the thesis is satisfactorily completed. Upon successful completion, the IP will change to "Credit (CR)". If a student fails to continuously enroll in EDGR 5130, the grade will change to "No Credit (NC)". Approval of major advisor. Candidates may take one course concurrently with the thesis to complete their degree.
Prerequisites: Successful completion of EDGR 5320.

Geography (GEOG)

GEOG 1301 Physical Geography
An introductory examination of the earth’s physical environment. An examination of the regional variation of different facets of the environment, including landforms, weather, and climate. The consequences of resource exploitation and environmental concerns are studied.
TCCN: GEOG 1301

GEOG 1303 General World Geography
A study of the human geography of the world. An examination and comparison of major cultural geographic themes: population, migration, agriculture, religion, industrialization, urbanization, and political landscapes.
TCCN: GEOG 1303

GEOG 2301 Intro to Human Geography
This course is an introduction to the geographic distribution of humans, human activity, and cultures on the Earth. We will explore several topics as they relate to human geography, including population, folk/popular culture, religion, language, ethnicity, politics, agriculture, economic activity and development, and urbanization. Throughout the course, we will explore the impacts of globalization on culture. It is also hoped that students will gain a greater understanding of an appreciation for geography in general, as well as a greater awareness for aspects for human geography that you experience in our globalized world.
TCCN: GEOG 1302

GEOG 3310 Human Impact on the Environment
This class is an assessment of human impacts on the environment. This class will examine the impacts of human society on landscapes, the atmosphere, hydrology, and plants and animals. General themes include population and scarcity, the commons, risks and hazards, markets and commodities, and environmental ethics, among others while specific climate change, the social construction of nature, trees, bottled water, wolves, waste, and meat, to name a few.

GEOG 3314 Texas Geography
A geographical survey of the Lone Star State. This class will examine the environment, population, settlements, land uses, and cultural heritage of the State of Texas through the unifying concept of the region.

GEOG 3350 US Historical Geography
A survey of the changing geography of the United States including initial exploration, European perceptions of North America, diffusion and geographical expansion of the United States to the Pacific, geographical factors underlying the urbanization and industrialization of the nation, and recent population shifts.
Prerequisites: Six hours of history.

GEOG 3351 World History & Geography
A survey of world history focusing on the influence of geography on the course of history. The course includes the development of cartography, the spread of geographical knowledge, and the history of exploration.
Prerequisites: Six hours of history and/or political science.
GEOG 3352 Latin American Historical Geog
A survey of the changing cultural geography of Latin America including pre-Colombian landscapes, early European settlement, migration, and the evolving economic integration into the world economy. Geographical and environmental factors underlying twentieth-century agricultural and urban problems of Latin America are considered. Prerequisites: Six hours of history and/or geography, or consent of instructor.

GEOG 3353 Political Geography
The study of the spatial or geographic expression of political phenomena. The primary themes include political regions, boundaries, territorial control, geopolitics, the functioning of the state at multiple scales (from local to national), and international trade and security pacts. Case studies emphasize the political geographies of North America and Latin America. (Cross-listed with PSCI 3353).

GEOG 3354 GIS for the Social Sciences
This class examines the application of Geographic Information Systems techniques in social science research. The course will provide social scientists with an important analytical skill set that is becoming increasingly important in many professions. GIS is a very powerful tool and this class will present examples of how Geographic Information Systems can be used in the social sciences to conduct sociospatial research.

GEOG 3355 Nat, Cult, & Soci in Mex & Cen
This class is a regional geographic survey of Mexico and Central America's people, environments, and landscapes. It examines the intersection of culture and the environment by focusing on agriculture, settlement patterns, urbanization, indigenous peoples and ethnic diversity, land rights, migration, commodities, and the current effects globalization in Mexico south to Panama.

GEOG 4301 Introduction to Urban Planning
This course introduces students to the basic principles and concepts of urban planning. A primary focus is the practical skills/techniques associated with the major theories and models of planning. It provides a broad overview of all types of urban planning with emphasis on land use, design, transportation, and environmental and social planning. (Cross-listed with URBS 4301 and PSCI 4301) Prerequisites: Junior standing or consent of instructor.

GEOG 4340 Special Topics in Geography
This class examines a particular sub-field of geography or a particular geographical issue. May be repeated for credit if the topic changes. Topics may include, but are not limited to, Human Impact on the Environment, Biogeography, Waste and Society, Climate and Climate Change, Computer Cartography, Geostatistics, Geography of Latin American Indigenous Peoples, GPS and Geographic Research Methods, Geography of the US South, and Geography of Middle America.

GEOG 4395 Urban Historical Geography
The study of the continuing evolution of urban landscapes in Western civilization. An examination of urban form and function through time, from Mesopotamian and Greco-Roman cities to industrial and post-industrial cities and suburbs. May be taken for graduate credit. (Cross-listed with HIST 4395 and URBS 4395)

Geology (GEOL)

GEOL 1103 Intro to Physical Geology Lab
Laboratory course to accompany GEOL 1303. Must be taken concurrently with GEOL 1303. Laboratory fee applicable. TCCN: GEOL 1103

GEOL 1105 Environmental Geology Lab
Laboratory course to accompany GEOL 1305. Must be taken concurrently with GEOL 1305. Laboratory fee applicable. TCCN: GEOL 1105

GEOL 1303 Intro to Physical Geology
An introductory study of Earth's composition, structure, and internal and external physical processes. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with GEOL 1103. TCCN: GEOL 1303

GEOL 1305 Environmental Geology
An introductory study of Earth's major resources, including the atmosphere, water, minerals, energy, and biological systems as they relate to the impact of urban development and environmental control. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with GEOL 1105. TCCN: GEOL 1305

GEOL 3320 Petroleum Geology
Origin, migration and accumulation of petroleum; typical U.S. oil and gas fluids and studies in subsurface geology. Prerequisites: GEOL 1303/1103.

GEOL 3401 Earth Mats: Minerals & Rocks
An examination of minerals, and rocks; their formation and economic significance. Includes three hours of lab per week. Laboratory fee applicable. Prerequisites: GEOL 1303/1103 or EPSC 1370/1170.

GEOL 3405 Geohydrology
A study of surface and subsurface hydrology emphasizing geological controls on groundwater flow; quantitative methods of analyzing aquifer systems; regional hydrology, water quality and pollution. Includes three hours of laboratory per week. Laboratory fee applicable. Prerequisites: Eight hours of Geology.

GEOL 3415 Sedimentology & Stratigraphy
Origin of sediments and sedimentary rocks; transport, deposition, and depositional environments for sediments; field and laboratory studies in description and interpretation of sedimentary rocks; principles of stratigraphy; geologic time and correlation; and sequence stratigraphy. Includes three hours of laboratory per week. Laboratory fee applicable.

GEOL 3425 Paleontology and Earth History
An examination of the geologic history of the Earth focusing on the fossil and rock record. Specifically, this course will consider the development and history of life as documented by the fossil record and earth's history from a stratigraphic perspective. Includes three hours of laboratory per week. Laboratory fee applicable. Prerequisites: Junior Standing.

GEOL 4170 Geology Seminar
A discussion of research and current topics in the geological sciences. Prerequisites: Twelve semester hours of Geology.
GEOL 4173 UG Res in Geosciences
A course adapted to the study of special topics in the geosciences. For advanced students capable of developing a problem independently through conference and research (field and/or laboratory based) directed by the instructor. Problem chosen by the student with approval of the instructor prior to registration. May be repeated not to exceed four semester credit hours total. Laboratory fee, if applicable. (Formerly EPSC 4173-3373)
Prerequisites: Twelve semester hours of Geology.

GEOL 4199 Special Topics in Geosciences
A course involving instruction in geology depending on student interest and specialty of instructor. May be repeated for credit when topic changes. Laboratory fee, if applicable.
Prerequisites: Twelve semester hours of Geology.

GEOL 4273 UG Res in Geosciences
A course adapted to the study of special topics in the geosciences. For advanced students capable of developing a problem independently through conference and research (field and/or laboratory based) directed by the instructor. Problem chosen by the student with approval of the instructor prior to registration. May be repeated not to exceed four semester credit hours total. Laboratory fee, if applicable. (Formerly EPSC 4173-3373)
Prerequisites: Twelve semester hours of Geology.

GEOL 4299 Special Topics in Geosciences
A course involving instruction in geology depending on student interest and specialty of instructor. May be repeated for credit when topic changes. Laboratory fee, if applicable.
Prerequisites: Twelve semester hours of Geology.

GEOL 4373 UG Res in Geosciences
A course adapted to the study of special topics in the geosciences. For advanced students capable of developing a problem independently through conference and research (field and/or laboratory based) directed by the instructor. Problem chosen by the student with approval of the instructor prior to registration. May be repeated not to exceed four semester credit hours total. (Formerly EPSC 4173-4473)
Prerequisites: Twelve semester hours of Geology.

GEOL 4399 Special Topics in Geosciences
A course involving instruction in geology depending on student interest and specialty of instructor. May be repeated for credit when topic changes. Laboratory fee, if applicable.
Prerequisites: Twelve semester hours of Geology.

GEOL 4460 Intro to Geographic Info Sys
This course will explore fundamental concepts of geographic information technologies with a focus on applications within the geosciences and natural sciences in general. Students will be exposed to the power of geographic information systems to elucidate complex problems. (Cross-listed with BIOL 4460 and BIOL 5460)
Prerequisites: Senior standing.

GEOL 4473 UG Res in Geosciences
A course adapted to the study of special topics in the geosciences. For advanced students capable of developing a problem independently through conference and research (field and/or laboratory based) directed by the instructor. Problem chosen by the student with approval of the instructor prior to registration. May be repeated not to exceed four semester credit hours total. Laboratory fee, if applicable. (Formerly EPSC 4173-3373)
Prerequisites: Twelve semester hours of Geology.

GEOL 4499 Special Topics in Geosciences
A course involving instruction in geology depending on student interest and specialty of instructor. May be repeated for credit when topic changes. Laboratory fee, if applicable.
Prerequisites: Twelve semester hours of Geology.

German (GERM)

GERM 1311 Beginning German I
An introduction to the German language and German-speaking cultures. The course focuses on the development of basic communication skills: listening, speaking, reading, and writing. This is the first part of a two-part introduction to German.
TCN: GERM 1411

GERM 1312 Beginning German II
A continuation of GERM 1311. The course focuses on the development of basic communication skills in German. It is designed to develop the four language skills: listening, speaking, reading and writing. The language of instruction is German. This is the second part of a two-part introduction to German.
Prerequisites: GERM 1311.
TCN: GERM 1412

GERM 1620 Beginning German I & II
German 1620 is an introduction to the German language and German-speaking cultures. The course focuses on the development of basic communication skills in German. It is designed to develop the four language skills: listening, speaking, reading, and writing. This course offers students a one-semester course equivalent to GERM 1311 & 1312.

GERM 2321 Intermediate German I
Designed to strengthen students’ language skills and develop cultural competency. This course keeps intermediate-level students involved and focused on real communication in meaningful contexts. Students improve their language skills through practical grammar, vocabulary presentations, and television, short films, and cultural readings.
Prerequisites: German 1620 or German 1311 & German 1312.
TCN: GERM 2311

GERM 3303 German Culture & Civilization
This course emphasizes the broadening of reading and conversational skills. Students become familiar with many aspects of the culture and civilization of the German-speaking countries. The course will also explore aspects of the current political, economic, social and cultural situation of Germany, Austria, and Switzerland. Students have the opportunity to discuss issues, ideas and opinions in German on selected topics.
Prerequisites: GERM 2311.
GERM 3307 Trans GERM>ENGL, ENGL>GERM
Introduction to techniques for written and sight translation in a variety of text categories relating to nursing, advertising, commerce, education and politics. Provides students with the tools to identify, analyze, and resolve translation problems of short text, while developing practical translation skills.
Prerequisites: ENGL 1302, and GERM 2312 or equivalent.

Health (HLTH)

HLTH 5334 Health Law
This course provides an introduction to the laws and legal issues affecting health care delivery, including patients’ rights as well as liability and legal responsibilities of providers of health care.

HLTH 5350 Epidemiology
Epidemiology examines the distribution and determinants of health events in a human population. Topics include such matters as toxic substance exposure, food poisoning, indoor air pollution, health education programs, and vaccination, with further consideration given to health behavior changes, and disease prevention. The calculation and interpretation of measures of frequency, association, and public health impact are discussed.

HLTH 5353 Health Delivery Systems
This course centers on the complex interaction of multiple providers of health care (both public and private) in a community setting with emphasis on coordination and communication among those systems. The course will also cover types of managed care systems.

HLTH 5362 Health Care Ethics
An overview of the ethical issues in Health Care, including bioethics and confidentiality concerns with a concentration on procedural and distributive justice issues.

HLTH 5375 Survey of Public Health Adm
Principles and practices of management in public health bureaucracies are examined as they influence divisions of labor, organizational structure, personnel, and resources. Selected existing bureaucracies are utilized as case studies. (Cross-listed with PADM 5375)

HLTH 5380 Health Org Budget&Fin Mgt
An introduction to budgeting methods in health care organizations with an emphasis on financial management, including assessing and managing capital outlay and operational costs and collections. The course includes areas of interest such as third party payers and government regulations.

HLTH 5381 Health Insurance Adm
The study of the basic ideas, problems and principles found in all types of modern day insurance, including fundamentals of insurance contracts, the nature of the insurance institutions, and government regulations of insurance.

HLTH 5382 Health Economics&Policy Imp
An overview of the economics of health care as related to implementation of health delivery programs in a public health organization. Included in this course are the special issues affecting health care provisions in the federal system.

HLTH 5390 Selected Topics in Health Care
This is an interdisciplinary course that will focus on current issues affecting health care delivery in the public sector. Topics may include Medicaid and Medicare policies, geriatric medicine, community hygiene, epidemiology and other topics.

HLTH 5696 Internship in Health Adm
A six hour internship in a health care setting is required of all students. All required classes must be completed prior to the internship. Students with at least two years of experience in a health care organization may, with advisor’s approval, be exempted from the internship requirement.

Hispanic Studies (HISP)

HISP 6300 Thy of Lit Analys & Bib Rsrch
This course is designed to acquaint graduate students with the trajectory of literary theory over the course of the 20th century with special attention paid to the predominant concepts, terms, schools, and thinkers associated with literary analysis. Attention will also be given to the techniques of research and the practical application of abstract concepts in order to improve the student’s ability to think and write critically about literary works read in this course and in the future. (Cross-listed with SPAN 5300)
Prerequisites: Graduate standing.

HISP 6304 Seminar in Language
A special topics course in some aspect of the study of language. The course may focus on special issues in linguistics, heritage languages, second language acquisition, dialectology, literacy, the teaching of the languages or language policy and implementation. May be repeated when topic changes.
Prerequisites: Graduate standing.

HISP 6305 Seminar in Golden Age Lit
An introduction to the poetry, drama, and prose of the Golden Age. May be repeated when topic changes.
Prerequisites: Graduate standing.

HISP 6306 Seminar in Modern Peninsular Lit
A seminar in a special topic concerning modern Spanish letters. Topics may focus on genres, authors, themes, or historical, cultural, and aesthetic movements. May be repeated when topic changes.
Prerequisites: Graduate standing.

HISP 6307 Seminar in the History of Spain
A seminar in the history of Spain with special emphasis on historical, political, religious, and cultural issues of relevance to an understanding not only of Spain but of Spanish America.
Prerequisites: Graduate standing.

HISP 6343 Special Topics in Hisp Lit/Cul
An introduction to the poetry, drama, and prose of the Golden Age. May be repeated when topic changes.
Prerequisites: Graduate standing.

Prerequisites: Graduate standing.
HISP 6344 Sem in Modern Span Am Lit
A seminar in Latin American Literature after independence. Topics will vary, and may include the novel, short story, poetry, theatre, or themes prevalent in Spanish American literature, such as civilización-barbarie, revolution and society, race and gender, and social justice. Prerequisites: Graduate standing.

History (HIST)

HIST 1301 The US to 1877
This course covers discovery; European contributions and forces; Spanish and Portuguese conquests in the Americas; English, French, and Dutch in America. The English Colonies in America; accomplishments of nationalistic groups; War of Independence; establishment of the new nation, problems of the formative period, western development, and frontier influence; cultural and constitutional growth; internal dissension and international problems; and Reconstruction. Prerequisites: Completion of Texas Success Initiative (TSI) Reading requirements, ENGL 1301, or appropriate level developmental course sequence. TCCN: HIST 1301

HIST 1302 The US Since 1877
Covers the growth of national ideas; movement for individual freedom; party government and public interests; industrial development; labor problems and agrarian unrest; changing international policies; war and peace; problems of agriculture, business, and government; cultural progress and attempts at social cooperation; and current world problems and trends. It is recommended that HIST 1301 be taken before 1302. Prerequisites: Completion of Texas Success Initiative (TSI) Reading requirements, ENGL 1301, or appropriate level developmental course sequence. TCCN: HIST 1302

HIST 2321 Eastern Civilizations
This course provides a study of eastern civilizations, including those of Africa, Asia and regions of the Middle East. TCCN: HIST 2321

HIST 2322 Western Civilization
This course provides a study of western civilization including the ancient societies of Greece and Rome, feudal Europe and the modern European nation states. TCCN: HIST 2322

HIST 2420 The American Way
This course will focus on the major events that helped to make the United States what it is today, including the Colonial Era and Independence, specifically the writing of the Declaration of Independence and the Constitution, as well as the major events of the 19th and 20th centuries. The branches of government, including the checks and balances and separation of powers, will be emphasized as well as the civil rights and liberties of all citizens. An element of the course is faculty-led travel to important historical and governmental sites in Texas. Fulfills the Texas State requirement in history and U.S. government. Enrollment restricted to qualified international students enrolled in joint degree programs.

HIST 3302 History of Texas
Covers the history of Texas from the early explorations to modern times. Course stresses the development of comprehension, analytic, and evaluative skills with regard to important issues, including Spanish colonial influences on Texas, the Texas Revolutionary period, the rise of the cattle kingdom, and recent social, economic and political developments. This course may not be substituted for any course without written permission from the department chair. Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3303 Historical Methods-WIN
This required course is designed to give history majors and minors a grounding in the methodologies that professional historians utilize in their scholarship. Designed to be taken at the beginning of work on the major, the class will consider a number of important topics in the research and writing of history. Emphasis will be given to issues such as how historians find and examine evidence, how they pose questions, and how they reach answers to those questions. This course may not be substituted for any other course without written permission from the department chair. Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3310 Military History of the US
This course covers US military history from early colonial warfare in the eighteenth century to the global war on terrorism in the twenty-first century. It includes the role military officers have played in the development of the United States. Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3330 Colonial Latin America
Transformation of Latin America under Spanish and Portuguese colonial rule (1492-1826). Course emphasizes the convergence of indigenous, European, and African peoples that laid the foundations for modern Latin American society. Topics include conquest and settlement, the impact of slavery, and cultural-intellectual changes that led to independence. Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3331 Modern Latin America
Social and political challenges faced by Latin American nations from independence to present. Emphasis on foreign relations, revolutionary insurgency, and Latin America’s role in the modern world economy. Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3332 Mexico
Political, economic, and cultural evolution of Mexican society from pre-conquest to present. Emphasis on Mexico’s connections to the wider world through topics such as global trade, nationalism, neocolonialism, and liberalism. Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3333 Central America & Caribbean
The Caribbean Basin’s impact on early modern and modern globalization. Course takes a cultural as well as economic approach to topics such as slavery, European imperial rivalries, plantation economies, piracy, monoculture, and U.S. interventionism. Includes comparative perspective of the Hispanic, English, and French Atlantic Worlds. Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3340 World Cultural History
This course examines the historical development, purpose, and influence of cultural activities, beliefs, and expressions found in a specific region or society of the world. Prerequisites: HIST 2321 and HIST 2322 or permission of the instructor.
HIST 3341 U.S. Cultural History
This course examines the historical development, purpose, and influence of cultural activities, beliefs, and expressions found in the US society and its Religions.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3352 World Historical Biography
This course provides an account of a prominent international figure's life with the intent of examining the person's historical significance.
Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

HIST 3353 World History and Film
This course provides an examination of the interaction between historical research and various forms of film media including feature films and documentaries relating to international history.
Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

HIST 3354 U.S. Historical Biography
This course provides an account of a prominent US figure's life with the intent of examining the person's historical significance.
Prerequisites: HIST 1301 and 1302 or permission of instructor.

HIST 3355 U.S. History and Film
This course provides an examination of the interaction between historical research and various forms of film media including feature films and documentaries relating to US history.
Prerequisites: HIST 1301 and 1302 or permission of instructor.

HIST 3370 U.S. Women's History
This course focuses on the diversity of women's experiences in North America from colonial to modern times. The social, economic, political, and intellectual realms of women's worlds, public and private, will be studied.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3371 History of US Workers
This course describes and analyzes the history of US workers from the colonial period to the present. Topics include economic development, migration and immigration, race and ethnicity, slave and free labor, and the activities and fortunes of the American labor union movement in the nineteenth and twentieth centuries.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3375 U.S. Southern History
This course focuses on the diversity of women's experiences in North America from colonial to modern times. The social, economic, political, and intellectual realms of women's worlds, public and private, will be studied.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 3379 World Intellectual History
The impact of major ideas on the development of nations and movements throughout history.
Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

HIST 3380 Intellectual History of the US
The impact of major ideas on the development of the nation. Topics may include Puritanism, the Enlightenment, Romanticism, Transcendentalism, rise of democracy, the Women's Rights Movement, Social Darwinism, industrialism, populism, progressivism, pragmatism, socialism, the Civil Rights Movement, American art and thought, and those aspects of American thought that continue to agitate contemporary society.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 3381 Sport and US History
This course frames the development of nineteenth and twentieth century American society and culture in the context of sport. Topics include the socio-economic origins of such sports as baseball, boxing, and football, labor demands and the influence of money in US Sport, the conflicts over racial prejudice, exclusion, and integration, and the issues of gender roles and athletics.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 3385 Mexican American History
This course is an examination of Mexican American history from the Spanish colonial period to the present. Topics include, the history of the Spanish borderlands, US annexation of the borderlands, nineteenth century labor and political systems, migration and immigration, and twentieth century Mexican American political activism.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 3386 World Immigration History
This course investigates the reasons why people from specific reasons or societies around the world migrate and the motivations and experiences of specific groups of immigrants. Topics include trade, colonialism, economic and religious factors, and issues of gender, race, and legal statuses.
Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

HIST 3387 U.S. Immigration History
This course investigates the reason why people migrate to and within the US and the motivations and experiences of these immigrants. Topics include economic, social, and cultural factors, and issues of gender, race, and legal status.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 3391 Islamic Civil 600-1400 CE
This course will survey the diverse history of Islamic societies from the 7th to the 16th century. Topics include: the pre-Islamic Middle East; Arabian society; Muhammad and the rise of the new religion; the expansion of Islam in Asia, Africa and Europe; the fundamental belief system of Islam; the Caliphate of Baghdad; the development of various schools of Islamic theology; the coming of the Turks; revolutionary Shi'ism; the Muslim experience in India, Africa and Central Asia; decline of Islamic power; and the crusades. While much of the focus will be on trends affecting the Islamic World as a whole, attention will also be given to selected regional issues. Students will be introduced to several primary source materials in translation such as selections from the Qur'an, philosophical works and travelers' accounts.
Prerequisites: HIST 2321 or permission of instructor.

HIST 3392 Contemporary Islamic World
This course explores some of the major themes that have led to the rise of the contemporary Islamic world. Themes that will be discussed include the diversity of interpretations within Islam such as Wahhabism and mysticism, the legacy of the Ottoman Empire, gender relations in Islam, Islamic art and architecture, as well as the construction of nation states throughout the Islamic world. There will be a heavy emphasis on primary sources.
Prerequisites: HIST 2321 or permission of instructor.
HIST 3393 History of Africa to 1880
This course is a survey of the continent’s history from earliest pre-colonial times to the eve of European colonial conquest, focusing on diversity and change in African societies. Themes include the development of pre-colonial technology and trade, state formation and Africa’s incorporation in the growing world economy.
Prerequisites: HIST 2321 or permission of instructor.

HIST 3394 History of Africa Since 1880
This course is a survey course of major events and processes that occurred on the continent of Africa after 1800. Focusing on select cases and examples that illustrate larger trends and issues, this course concentrates on the expansion of African trade and states, European colonization, African response to colonial rule, African independence movements, and recent challenges and events in African nations (including underdevelopment, poverty and genocide).
Prerequisites: HIST 2321 or permission of instructor.

HIST 3395 Contemporary South Asia
Contemporary South Asia (India, Pakistan, Bangladesh, Sri Lanka, Bhutan, Nepal, and the Maldives) contains a diversity of languages, cultures, religions and histories. It is also one of the most densely populated regions of the world. Using a thematic approach to study modern South Asia, this course places this region into historical, political, and socio-economic contexts across the dividing line of empires and nation-states.
Prerequisites: HIST 2321 or permission of instructor.

HIST 3396 Borders & Identities in India
This course explores the shaping of nationalist movements and ideologies throughout the Indian subcontinent. It describes how both the colonial past and anti-colonial struggles impacted the processes of nation-building and identity formation, as well as present-day social and economic structures. Themes that will be explored include education, gender, religion, culture, identity, nationalism, immigration, and popular culture.
Prerequisites: HIST 2321 or permission of instructor.

HIST 4310 Historical Perspectives-WIN
This is the required capstone course for graduating history majors and minors to bring together many of the ideas and skills which they have learned during their coursework in history. The class will focus on an overview of historiography, the scholarship of historical writing. The course will emphasize the broader themes of world history and their impact on different eras and groups of people. Professional applied skills of historians such as research, presentation, and writing in multiple formats will be part of the course. May not be substituted for any other course without written permission from the department chair.
Prerequisites: HIST 3303 and Senior standing.

HIST 4316 Colonial America: Dis-1763
An examination of the political, social, economic, ideological, religious, and institutional development of America from the age of discovery and early settlements to the end of the French and Indian War. The course will emphasize the regional geography, folkways, and culture of the Chesapeake colonies, Puritan New England, the Lower South, and the Mid-Atlantic societies.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4317 Am Rev/Early Nat Era 1763-1815
A study of the international and colonial developments leading to the American Revolution and the winning of independence from Great Britain. Also includes: U. S. society’s beginnings under the Articles of Confederation; the making of the Constitution of 1787, the forging of American institutions and culture under the first presidents, forces leading up to American involvement in the War of 1812, and the impact of the War on American civilization.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4318 Age of Jackson to Civil War
An examination of the major themes in U. S. history from 1815-1865, including the Market Revolution, the expansion of Jacksonian Democracy, the rise of the Old South, ante-bellum reform movements, westward expansion, and the rising tensions leading to the Civil War. This course will also include a detailed study of the Civil War itself, with consideration for its military, political, social, economic, and cultural impact of the United States.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4338 Pre-Modern Europe
Europe’s transition from Greco-Roman Antiquity to the High Middle Ages. Emphasis on the development of pre-modern social and political order, including Athenian democracy, Romanization, feudalism, and manorialism. Special topics include the rise of Christian orthodoxy, Islamic expansion in Southern Europe (especially Iberia), and medieval chivalry.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4339 Renaissance & Reformation Euro
The history of two important cultural movements that marked the beginning of Europe’s transition into the modern era. Course places special emphasis on the interplay between religion, politics, economics, and artistic production.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4340 European Age of Enlightenment
A history of the political, social, economic and intellectual character of 17th and 18th century Europe.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 4341 19th-Century Europe
An examination of the political, social, and cultural development of Europe from 1814 to 1914.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 4342 Modern Europe: 1914-1990
An examination of the political, social, and cultural development of Europe in the 20th Century.
Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 4350 North American Borderlands
This course examines and compares the US-Spanish/Mexican, US-Canadians, US-Native American borderlands from the colonial period to the present. The course focuses on border regions and frontiers as centers of society, politics, and culture.
Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.
HIST 4366 United States, 1865-1914
The United States from Reconstruction to the Progressive Era, including industrialization, immigration, urbanization, the rise of Jim Crow, Populism, labor, and social and political reform. Themes include the dramatic changes in U. S. political, racial, gender, economic, and cultural spheres and their impact on the beginnings of "the American century". Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4367 United States, 1914-1945
The United States during World War I, the 1920s, the Great Depression, and World War II. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4368 United States Since 1945
The Cold War; social and cultural changes; the Vietnam era; and the Nixon, Ford, Carter, Reagan, Bush, and Clinton administrations. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4380 Women in the Developing World
This course examines women in the developing world during the pre-colonial, colonial and postcolonial periods. More specifically, it explores the social changes that have taken place in Africa, the Middle East and the Indian subcontinent. Among the topics addressed will be changing gender norms, ethnicity and identity, religion, polygyny, sati, motherhood, education, nationalism, political activism, and the current AIDS epidemic. In each case, the emphasis will not be on victimization or cultural decline but rather, the resilience and adaptability of women as "historical actors" in the developing world. Prerequisites: HIST 2321 or permission of instructor.

HIST 4390 Seminar in US History
Lectures, directed readings, seminar reports, and supervised research in a specified field of history. May be repeated when topic changes. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4391 Seminar in World History
A study of the political, social, and cultural development of specific nations or regions of the world from an historical perspective. May be repeated twice when topic changes. Prerequisites: HIST 2321 and HIST 2322 or permission of instructor.

HIST 4392 Seminar in European History
A study of the political, social, and cultural development of specific nations or regions of Europe from a historical perspective. May be repeated for credit when topic changes. Prerequisites: HIST 1301 and HIST 1302 or permission of the instructor.

HIST 4393 Sem. in Latin American History
A study of the political, social, and cultural development of specific nations or regions of Latin America from a historical perspective. May be repeated twice when topic changes. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4394 Seminar in Eastern History
A study of the political, social, and cultural development of Eastern civilizations from a historical perspective. May be repeated twice when topic changes. Prerequisites: HIST 2321 or permission of instructor.

HIST 4396 Seminar in Latin American History
A study of the political, social, and cultural development of specific nations or regions of Latin America from a historical perspective. May be repeated twice when topic changes. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4397 Seminar in Eastern History
A study of the political, social, and cultural development of specific nations or regions of Eastern civilizations from a historical perspective. May be repeated twice when topic changes. Prerequisites: HIST 2321 or permission of instructor.

HIST 4398 Seminar in World History
A study of the political, social, and cultural development of specific nations or regions of the world from an historical perspective. May be repeated twice when topic changes. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 4399 Seminar in US History
Lectures, directed readings, seminar reports, and supervised research in a specified field of history. May be repeated when topic changes. Prerequisites: HIST 1301 and HIST 1302 or permission of instructor.

HIST 5170 Directed Research in History
Opportunity for graduate students to undertake independent study or research in history. Prior consent of faculty member(s) with whom students wish to work. Subject may vary from semester or semester. May be repeated for a total of 6 SCH. Graded CR/NC. Prerequisites: Permission of instructor.

HIST 5301 Seminar in US History
This course is a special topics seminar designed to explore various issues in U.S. history. May be repeated whenever topic changes. Prerequisites: Graduate or BAMA standing.

HIST 5302 The West In American History
A look at the Trans-Mississippi West as fact and symbol from prehistoric times to the twentieth century: exploration, fur trade, mining frontier, transportation, cattle kingdoms, and the farming problems, as well as the environmental movement. Prerequisites: Graduate or BAMA standing.

HIST 5303 The Teaching of American Hist
This course imparts to students nontraditional content, including Southwestern regional history, as well as non-book sources of history, including memories of historical participants. In addition, the course will cover techniques in integrating into the curriculum the personal experiences of people, including interviewing techniques, archiving, and technological resources associated with interviewing (such as use of multimedia technology). It will also acquaint the student with developing technological resources in the teaching of American History, such as websites, software, videos. Prerequisites: Graduate or BAMA standing.

HIST 5305 Civil War & Reconstruction
Examines the events leading to the Civil War, military operations, the aftermath of the war, and the importance of the Reconstruction Era. Prerequisites: Graduate or BAMA standing.

HIST 5310 Seminar in World History
This course will investigate a topic of world history taken anywhere from the earliest times to the twentieth century. May be repeated whenever topic changes. Prerequisites: Graduate or BAMA standing.

HIST 5313 Sem in 18th Century US History
The course considers many of the developments in the US social, cultural, political, and economic life during the eighteenth century. Emphasis will be placed on historiographical issues and primary research. May be repeated when topic changes. Prerequisites: Graduate or BAMA standing.

HIST 5314 Sem in 19th Century US History
The course considers many of the developments in U.S. social, cultural, political, and economic life during the nineteenth century. Emphasis will be placed on historiographical issues and primary research. May be repeated whenever topic changes. Prerequisites: Graduate or BAMA standing.

HIST 5315 Sem in 20th Century US Hist
The course considers many of the developments in U.S. social, cultural, political, and economic life during the twentieth century. Emphasis will be placed on historiographical issues and primary research. May be repeated when topic changes. Prerequisites: Graduate or BAMA standing.
HIST 5320 Seminar in Latin American Hist
A seminar in Latin American history with emphasis on the development of a research project or projects. May be repeated whenever topic changes.
Prerequisites: Graduate or BAMA standing.

HIST 5324 Seminar in US Women's Hist
The course examines the lives of U.S. women and the major historiographical debates in women's history scholarship. Course materials will emphasize the diversity of women's experiences and will culminate in primary source research.
Prerequisites: Graduate or BAMA standing.

HIST 5325 Seminar in Mexican History
A seminar focusing on social, economic, political, and religious aspects of Mexico. Topics may cover periods from Indian Mexico to recent developments. May be repeated whenever topic changes.
Prerequisites: Graduate or BAMA standing.

HIST 5330 Seminar in European History
The course focuses on selected periods and issues of European History. May be repeated whenever the topic changes.
Prerequisites: Graduate or BAMA standing.

HIST 5340 Sem Women in the Develop World
This course examines women in the developing world during the pre-colonial, colonial and postcolonial periods. More specifically, it explores the social changes that have taken place in Africa, the Middle East and the Indian subcontinent. Among the topics addressed will be changing gender norms, ethnicity and identity, religion, polygyny, sati, motherhood, education, nationalism, political activism and the current AIDS epidemic. In each case, the emphasis will not be on victimization or cultural decline but rather, the resilience and adaptability of women as “historical actors” in the developing world.
Prerequisites: Graduate or BAMA standing.

HIST 5345 Sem in US Foreign Relations
This seminar will concentrate on major questions concerning the origins of modern U.S. diplomatic practices and the course of foreign relations including U.S. imperialism; the rise to world power; participation in the world wars; and the Cold War. The seminar will combine discussions of shared readings and individual student research projects.
Prerequisites: Graduate or BAMA standing.

HIST 5355 Sem in the History of Religion
The course focuses on selected periods and issues in religious history. The emphasis is on historiographical issues. May be repeated when topic changes.
Prerequisites: Graduate or BAMA standing.

HIST 5360 Seminar in Border History
This course examines the historical and contemporary movements of peoples across borders, both forced and free-willed, and the complex issues of identity and belonging to which these processes give rise. Of particular focus are the creative possibilities that flow from the lived experiences of movement and being moved across borders. May be repeated when topic changes.
Prerequisites: Graduate or BAMA standing.

HIST 5370 Directed Research in History
Opportunity for graduate students to undertake independent study or research in history. Prior consent of faculty member(s) with whom students wish to work. Subject may vary from semester to semester. May be repeated for a total of 6 SCH. Graded CR/NC.
Prerequisites: Permission of instructor.

HIST 5380 Historiography
This seminar is concerned with the study of history as an intellectual discipline and focuses on many of the philosophical questions with which historians grapple. The course also considers the often difficult relationship between academic and popular history and how that struggle influences our discipline. Readings and a research project will familiarize students with the contributions of major historians and schools of historical thought from ancient times to the present. May not be substituted for any other course without written permission from the department chair.
Prerequisites: Graduate or BAMA standing.

HIST 5385 Sem in Teaching College Hist
This course covers the pedagogy and practice of delivering college-level history courses, with an emphasis on introductory survey courses. This class is mandatory for all students receiving the Certificate in Teaching History.
Prerequisites: Graduate or BAMA standing.

HIST 5398 Thesis I
This course is designed to be the first step towards the successful completion of the History thesis. Students will receive a passing grade for the class when they have successfully written and defended their thesis proposal to their graduate committee. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Permission of instructor.

HIST 5399 Thesis II
This course is designed to be the final step towards the successful completion of the History thesis. Students will receive a passing grade when they have successfully written and defended their thesis to their graduate committee. If grade of IP received, student must enroll again for credit. Students may enroll for a maximum of 12 SCH in Thesis II.
Prerequisites: Permission of instructor.

Humanities (HUM)

HUM 2301 The Western Cultural Tradition
This writing intensive course introduces students, through selective readings, to the Western intellectual tradition, starting from the Greco-Roman epoch and extending through the Middle Ages to the present. This course fulfills a core curriculum requirement for some majors.
Prerequisites: ENGL 1302 or equivalent.
HUM 3301 Studies in World Hist & Cult
An advanced special topics course offered for both WIN and Honors credit, this course will feature a depth cross-disciplinary study of a topic or a defined historical period in world history. Readings will typically be drawn from more than one area of human knowledge, areas as diverse as art, anthropology, religion, science, philosophy, history, music, literature, psychology, and political and social theory. Depending on the topic, the course may be cross-indexed with an appropriate discipline and count for credit in the major. May be repeated once for credit when the topic changes. Prerequisites: "B" or higher in ENGL 2322, 2323, 2327, 2328, 2332, or 2333.

HUM 4173 Undergraduate Research
A course adapted to the directed, interdisciplinary study of topics in the liberal arts. Advanced students will develop a project in cooperation with a designated instructor chosen by the student. The nature of the material may allow for the involvement of multiple instructors. The project will be established by the student with the approval of the designated instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the designated instructor.

HUM 4273 Undergraduate Research
A course adapted to the directed, interdisciplinary study of topics in the liberal arts. Advanced students will develop a project in cooperation with a designated instructor chosen by the student. The nature of the material may allow for the involvement of multiple instructors. The project will be established by the student with the approval of the designated instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the designated instructor.

HUM 4373 Undergraduate Research
A course adapted to the directed, interdisciplinary study of topics in the liberal arts. Advanced students will develop a project in cooperation with a designated instructor chosen by the student. The nature of the material may allow for the involvement of multiple instructors. The project will be established by the student with the approval of the designated instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the designated instructor.

HUM 4473 Undergraduate Research
A course adapted to the directed, interdisciplinary study of topics in the liberal arts. Advanced students will develop a project in cooperation with a designated instructor chosen by the student. The nature of the material may allow for the involvement of multiple instructors. The project will be established by the student with the approval of the designated instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours. Prerequisites: Permission of the designated instructor.

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**Integrated Reading & Writing (DIRW)**

DIRW 0401 Integrated Reading & Writing
This course is designed to integrate critical reading and academic writing skills. It provides the necessary support for advanced developmental students concurrently enrolled in ENGL 1301 or HIST 1301. Students completing the course will earn University credit but not credit towards graduation. Prerequisites: TSI Test Placement.

**International Studies (INTL)**

INTL 1101 Global Issues Seminar I
Students in this course will gain a broad overview of the geography, language, history, religions, political and social institutions, and cultural practices of a variety of countries. Students will complete an independent study of one aspect of one country or global issue of contemporary concern. In addition to foreign national faculty delivering presentations on their native countries, faculty whose research focuses on issues with a global aspect will provide students with an overview of an international problem and the challenges facing world leadership in addressing the problem. Topics change each semester.

INTL 1102 Global Issues Seminar II
This course is a continuation of INTL 1101. Topics change with each semester.

INTL 2101 Global Issues Seminar III
This course is a continuation of INTL 1101 and INTL 1102. Topics change with each semester.

INTL 2102 Global Issues Seminar IV
This course is a continuation of INTL 1101, INTL 1102, and INTL 2101. Topics change with each semester.

**Italian (ITAL)**

ITAL 1311 Elementary Italian I
An oral and written introduction to Italian for students with no prior knowledge of the language. Through pattern drills, the course stresses acquisition of vocabulary, pronunciation, and the formation of sentences in everyday conversation. TCCN: ITAL 1411

ITAL 1312 Elementary Italian II
This course is a continuation of ITAL 1311, with added stress on the written language. TCCN: ITAL 1412

ITAL 1620 Elementary Italian I & II
This course provides an oral and written introduction to the Italian language for students with no previous knowledge of the language. The course emphasizes the need to acquire an ear for the sound of Italian and an introduction to the language’s grammatical structures.

ITAL 2311 Intermediate Italian I
Review of grammar introduced in ITAL 1311 and 1312; readings of average difficulty in Italian; practice in conversation and composition. Prerequisites ITAL 1312 or ITAL 1620.
ITAL 2312 Intermediate Italian II
This class is a continuation of ITAL 2311 using more advanced readings. Prerequisites: ITAL 2311.

ITAL 2620 Intermediate Italian I & II
An intensive intermediate Italian course for students who have completed the beginning Italian course sequence (ITAL 1311 and 1312). Review of grammar introduced in ITAL 1311 and 1312; reading of average difficulty in Italian; practice in conversation and composition. Equivalent to both ITAL 2311 and ITAL 2312. Prerequisites: ITAL 1312 or equivalent course.

ITAL 3307 Trans ITAL>ENGL, ENGL>ITAL
Introduction to techniques for written and sight translation in a variety of text categories relating to nursing, advertising, commerce, education and politics. Provides students with the tools to identify, analyze, and resolve translation problems of short text, while developing practical translation skills. Prerequisites: ENGL 1302, and ITAL 2312 or equivalent.

Kinesiology (KINE)

KINE 1101 Aerobic Activities
A variety of activities to strengthen the heart, lungs, and vascular system. One hour lecture and one hour laboratory per week. This course is interchangeable with EDFS 1101.

KINE 1102 Team Activities
This course explores psycho-social concepts such as team work, effective communication and problem solving skills through a series of physical activities. One hour lecture and one hour laboratory per week.

KINE 1103 Rhythmic Movement
Scope, content and skill practice of rhythmic movement will be explored. The candidate will have the opportunity to demonstrate effective teaching strategies to include class organization, skill development and methods. Emphasis is placed on planning and organizing activities in grades K-12.

KINE 1104 Beginner Swimming
Instruction in the fundamentals of swimming for beginners. Two class hours per week.

KINE 1111 Weight Training & Conditioning
Individualized conditioning programs to improve muscle strength, flexibility, and endurance. Cardiopulmonary endurance will be developed through exercises. Two class hours per week. This course is interchangeable with EDFS 1111.

KINE 1130 Golf
Instruction and practice in the basic skills of golf. Two class hours per week.

KINE 1131 Beginning Baseball
This course explores psycho-social concepts of team work, effective communication and problem solving skills through a series of physical activities through the sport of baseball. One hour lecture and one hour laboratory per week.

KINE 1132 Beginning Softball
This course explores psycho-social concepts of team work, effective communication and problem solving skills through a series of physical activities through the sport of softball. One hour lecture and one hour laboratory per week.

KINE 1133 Beginning Basketball
This course explores psycho-social concepts of team work, effective communication and problem solving skills through a series of physical activities through the sport of basketball. One hour lecture and one hour laboratory per week.

KINE 1134 Beginning Soccer
This course explores psycho-social concepts of team work, effective communication and problem solving skills through a series of physical activities through the sport of soccer. One hour lecture and one hour laboratory per week.

KINE 1135 Beginning Volleyball
This course explores psycho-social concepts of team work, effective communication and problem solving skills through a series of physical activities through the sport of volleyball. One hour lecture and one hour laboratory per week.

KINE 1139 Beginning Tennis
Instruction and practice in the basic skills of tennis. Two class hours per week. (Formerly EDFS 1143)

KINE 1152 Health and Wellness
This course will discuss health issues relevant to students which include mental health, stress, fitness, weight control, use and abuse of drugs, human sexuality, communicable and infectious diseases, environmental and consumer health.

KINE 1173 Varsity Athletics
Participation in varsity athletics through regularly scheduled practice sessions and games.

KINE 2224 Team and Individual Sports
This course will provide students with the opportunity to participate in and teach a variety of team and individual sports. The course will introduce students to the idea of activity modification and will emphasize the tactical games approach to teaching sports.

KINE 2225 First Aid
This course trains students in American Red Cross First Aid/ Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillation (AED) procedures. Students will learn how to respond to common first aid emergencies, including burns, cuts, head, neck and back injuries and more. Additionally, students will learn how to respond to cardiac and breathing emergencies. Upon completion of the course, students will have the option to earn the American Red Cross First Aid/AED certificate and/or a CPR certificate. TCCN: PHED 1306

KINE 2300 Physical Fitness
This course focuses on total fitness of the individual, including physical and health related fitness, weight control, and personal wellness. This course is interchangeable with EDFS 2300.

KINE 2301 Foundations of Fitness & Sports
This course gives students an overview of physical education/ kinesiology, including current and historical concepts of the psychological, and sociological concepts related to fitness and sports. This course is interchangeable with EDFS 2301. TCCN: PHED 1301
KINE 2303 Care & Preven of Athl Injuries
This course involves units dealing with the organization and administration of athletic training facilities. It also deals with prevention, care, and rehabilitation of athletic injuries. This course is 2 hours of theory and 1 hour of laboratory per week.
Prerequisites: BIOL 1371 or BIOL 2301.

KINE 2310 Officiating
This course deals with elements of current rules and mechanics of officiating.
TCCN: PHED 1308

KINE 2312 Anatomical Kinesiology
This course introduces students to the structure of the human body with particular emphasis on the skeletal and muscular systems, their function in the mechanics of human movement, and their application to performance-based human movement. This base knowledge in movement anatomy will provide a foundation for more advanced work in biomechanics and exercise physiology.

KINE 2316 Motor Development & Learning
This course introduces the candidate to the development and process of motor skill acquisition in students and methods to promote movement in the classroom.

KINE 2322 Pathophysiology Allied Health
This course focuses on the fitness of individuals with acute and chronic medical conditions. This course is 3 hours of theory per week.

KINE 3207 Hlth&Phys Ed for Elem Sch
This course focuses on developmentally appropriate programs and instructional strategies for teaching health and physical education to elementary school aged children. Fundamental motor skills, health-related physical fitness, safety and healthy lifestyles will be emphasized.
Prerequisites: PSYC 2314; admitted to and in good standing in the College of Education.

KINE 3301 Coaching
This course deals with elements of current rules and mechanics of officiating individual person sports.
Prerequisites: Junior standing.

KINE 3305 Teaching Phys Ed in Elem Sch
This course prepares physical education teachers to teach in elementary school settings, including the application of fundamental principles of human motor development, physical fitness, manipulative skills, and rhythmical activities with children.
Prerequisites: Admitted to and in good standing in the College of Education or department approval.

KINE 3308 Lifetime Sports & Activities
Candidates will learn the fundamentals of a variety of recreational and leisure sports and activities.
Prerequisites: Admitted to and in good standing in the College of Education or department approval.

KINE 3309 Health & Safety for Yng Child
This course focuses on developmentally effective programs and strategies designed to promote and maintain healthy and safe practices in programs serving young children. The course also addresses strategies for promoting health, wellness, nutrition, and fitness lifestyles for young children and their families.
Prerequisites: EDYC 1304, 1308 and 2324.

KINE 3310 Tching Phys Ed in Sec Schools
This course prepares physical education teachers to teach in the secondary school setting, including a variety of methods designed to improve students’ fitness and performance, teamwork, and skill combinations in games and sports.
Prerequisites: Admitted to and in good standing in the College of Education or department approval.

KINE 3311 Physiology of Exercise
The focus of the course is on the basic physiological adaptations to exercise. This course is 3 hours of theory per week.
Prerequisites: BIOL 1371 or BIOL 2301.

KINE 3312 Principles of Health Promo-WIN
This course introduces candidates to the theory, processes, activities, settings, and applications for health promotion practice in community and school settings. This course is 3 hours of theory per week.

KINE 3313 Essentials of Persnl Training
This course will help candidates prepare for the National Strength and Conditioning Association certified personal trainer exam. Candidates will learn how to enhance an individual’s quality of life by improving fitness, performance and promoting lifelong health behavior change.
Prerequisites: KINE 1101, KINE 1111, and KINE 2300.

KINE 3314 Tests and Evaluation
This course is designed to provide the student information and skills necessary for measuring and evaluating a variety of physical fitness components This course is 2 hours of theory and 1 hour of laboratory per week.
Prerequisites: KINE 3311 or concurrent enrollment.

KINE 3315 Scien Prin of Streng & Conditii
A course designed to examine the scientific basis of exercise related to health, physical fitness, and athletic performance. This course is 2 hours of theory and 1 hour of laboratory per week.
Prerequisites: KINE 3311 or concurrent enrollment.

KINE 3316 Psych Aspects of Sport&Exercis
This course introduces various theories and concepts from developmental, social, cognitive psychology to students to understand the effects of 1) psychological variables on performance in sport/exercise settings and 2) participation in sport/exercise on psychological development, health, and well-being. As the psychological interventions, basic concepts of psychological skills training are introduced for optimal performance and psychological well-being. This course is 2 hours of theory and 1 hour of laboratory per week.
Prerequisites: PSYC 2301 or PSYC 2314.

KINE 3317 Nutrition for Exercise&Sports
This course is designed to examine the different physiological relationships between exercise and nutrition and how they relate to metabolism. Emphasis is placed on the body's metabolic response to a wide range of stresses that occur in different sports and activities, at different intensities, and within different environments. In addition, this course will study the methods of assessing an athlete's nutritional needs and status. This course is 3 hours of theory per week.
Prerequisites: KINE 3311 or concurrent enrollment.
KINE 3318 Fundamentals of Biomechanics
This course provides students with a scientific basis of biomechanical concepts, especially those associated with muscular activity, and their application to human movement and sport skills. This course is 3 hours of theory per week. Prerequisites: KINE 3311 or concurrent enrollment.

KINE 3319 Research Methods
This course introduces basic concepts in quantitative research methods and process including the identification of a research problem, the design of experimental and non-experimental strategies, terminology, and instruments used in measurement and analysis in Kinesiology. This course is 3 hours of theory per week.

KINE 4309 Exercise and Aging
This course addresses current theories of biological aging, the physiological alterations associated with age and chronic disease, and benefits of physical activity and exercise in the aging process. It examines the physiological, psychological and socio-economic issues affecting fitness levels of older adults. It explores how to screen and assess health status and fitness level in order to develop exercise recommendations. Further exploration will include the basic pathophysiology of common age-related diseases/conditions and appropriate exercise tests and programs for older adults with diseases/conditions. Prerequisites: KINE 3300.

KINE 4311 Advanced Exercise Physiology
An advanced study of exercise physiology as it relates to human movement. Topics covered will consist of physiological responses to exercise training, environmental influences on performance, and optimizing performance in sport. This course is 3 hours of theory per week. Prerequisites: KINE 3311.

KINE 4312 Adv Care & Prevn of Athl Injur
This course will introduce the student to evaluation of orthopedic athletic injuries. The course will be taught as a combination of lecture and hands-on laboratory instruction. This course is 2 hours of theory and 1 hour of laboratory per week. Prerequisites: KINE 2303 or equivalent course approved by advisor.

KINE 4313 Therap Modali for Ath Trainers
This course will introduce the student to the therapeutic modalities used to treat injuries. Students will learn the theory, practice, indications, and contraindications of the various treatment modalities available to the Athletic Trainer. This course is 2 hours of theory and 1 hour of laboratory per week. Prerequisites: KINE 2303 or equivalent course approved by advisor.

KINE 4314 Psychology of Health
This course introduces students to theories of health and exercise psychology for understanding and predicting health-oriented exercise behavior and to the applications of the theories for health behavior and behavior change as well as active exercise participation and adherence. This course is 3 hours of theory per week. Prerequisites: KINE 3318.

KINE 4315 Sport & Adapted Phys Activity
The course deals with the identification of problems within the psychomotor domain and the development of strategies for remediating these problems. This course is 3 hours of theory per week.

KINE 4316 Princ of Motor Learn&Control
This course is designed to provide students with an overview of the essential theories, research, and practices related to motor learning and motor control. Students develop an understanding of the cognitive, behavioral, neurophysiological and biomechanical approaches to motor skill learning. Special attention is given to the relationship between motor skill acquisition, motor skill learning, and motor control theories. This course is 3 hours of theory per week. Prerequisites: KINE 3318.

KINE 4317 Foundations of Sports Mgt
This course deals with the development of local, state, and national policies concerning athletic eligibility, contest management, and other managerial concerns. This course is 3 hours of theory per week.

KINE 4318 Exercise Prescription
This class is designed to provide an in-depth study of the theories, concepts, procedures and techniques of exercise stress testing. It includes instruction in pre-exercise screening/evaluation, and instruction and practice in the administration and interpretation of graded exercise tests with 12-lead electrocardiography. Particular emphasis is given to the assessment of acute and chronic physiological responses arising from exercise training programs. Application and evaluation of test results are used to develop exercise prescriptions for individuals participating in specific sports and training programs. This course is 2 hours of theory and 1 hour of laboratory per week. Prerequisites: KINE 3311.

KINE 4319 Practicum in Kinesiology
This course will provide valuable field experience where the student can apply theoretical knowledge gained in the classroom to real-world settings. This course is 1 hour of theory and 2 hours of laboratory per week. Prerequisites: KINE 3311 and KINE 3318.

KINE 4320 Special Topics in Kinesiology
This course is a problem-centered study of perspectives on a topic of current interest in human performance. It is designed to provide students with an opportunity to demonstrate synthesis and application of their knowledge gained through a culminating project. Format consists of lecture/discussion; development and presentation of an approved culminating project. This course is 3 hours of theory per week. Prerequisites: KINE 3311 and KINE 3318.

KINE 4399 Topics in Kinesiology
Current topics in kinesiology will be examined. Prerequisites: Senior standing, KINE 3300 and KINE 3306.

KINE 5301 Adv Exercise Physiology
This course is an in-depth study of physiological aspects of exercise. The physiological adaptations occurring with acute and chronic training, as well as different environmental conditions and disuse will be discussed. Also, a weekly laboratory hour will be assigned to improve students’ practical knowledge of exercise physiology. Prerequisites: EDFS 3300 or equivalent course approved by graduate advisor.
KINE 5303 Physiology of Aging
This course examines the relationship between aging and the cardiovascular, respiratory, digestive/nutrition and reproductive systems. Also aging induced disabilities and possible interventions for attenuation and/or prevention will be covered. The homeostatic functions associated with bone metabolism and fluid balance will be discussed.
Prerequisites: EDFS 3300 or equivalent course approved by graduate advisor.

KINE 5305 Exercise, Nutri & Energy Meta
This course covers the principles of sound nutrition and energy metabolism for the exercising individual, the athlete, and the average individual in society. The physiological needs of the human body; the way that foods, vitamins, enzymes, minerals, etc. are used; and the bogus information concerning nutrition, diet, weight loss, and enhancement of the human performance will be discussed.
Prerequisites: EDFS 3300 or equivalent course approved by graduate advisor.

KINE 5307 Exercise and Chronic Disease
This course presents an overview of the benefits of fitness and exercise programs for special populations. The goal is to introduce a variety of special populations and discuss the ways in which exercise may benefit these individuals. Emphasis will be placed on the physiological benefits of regular physical activity.
Prerequisites: EDFS 3300 or equivalent course approved by graduate advisor.

KINE 5311 Perf Enhancement in Sports
This course will examine the mechanisms by which athletes can exceed their perceived physical limitations. Strategies such as visualization, meditation, kyphosis, autogenic training, biofeedback, and progressive relaxation will be examined.
Prerequisites: PSYC 2301 or equivalent course approved by graduate advisor.

KINE 5313 Applied Sports Psychology
This course will examine theoretical concepts associated with Sports Psychology and their practical application in the field of sports psychology. The focus of this course is on how the sports psychologist interacts with individuals within a sports context. How to provide effective professional guidance in the areas of learning, motivation, and social interaction will be examined, as will mental training for performance enhancement. Issues such as referrals, drug abuse, burnout, injury, and termination from athletics will also be explored.
Prerequisites: PSYC 2301 or equivalent course approved by graduate advisor.

KINE 5321 Pedagogical Res Teach Phy Ed
This course will examine pedagogical research in education and relate it to the specialty area of physical education. Intensive study of key research paradigms that influence inquiry in physical education and link to current practices in effective teaching will be emphasized.
Prerequisites: KINE 2301 or equivalent course approved by graduate advisor.

KINE 5323 Curriculum in Physical Ed
The course will examine the foundations of curriculum development in Physical Education. Special consideration is given to curriculum change, curriculum patterns and programs in physical education which can help address the needs of a culturally diverse, global society.
Prerequisites: KINE 2301 or equivalent course approved by graduate advisor.

Lang, Lit & Tran Thesis (LLTH)

LLTH 5398 Thesis I: Proposal & Research
This course is designed to be the first step towards the successful completion of the MALLT thesis. Students schedule the coursework in consultation with their thesis directors. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress. If the grade of NC is received, the student must enroll again for credit.
Prerequisites: Graduate standing and consent of the thesis director.

LLTH 5399 Thesis II: Comp & Defense
This course is designed to be the final step towards the successful completion of the MALLT thesis. Students schedule the coursework in consultation with their thesis directors. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis. If the grade of NC is received, the student must enroll again for credit.
Prerequisites: LLTH 5398.

Latin American Studies (LAS)

LAS 4302 Senior Sem In Latin Am Studies
A multidisciplinary analysis of issues relating to Latin America. Students will develop interdisciplinary, independent projects.
Prerequisites: Senior standing and Latin American Studies major.

LAS 4310 Latin American Info Resources
This course will focus on analyzing the Latin American information infrastructure. Both public and private information resources and networks will be surveyed with emphasis in the social sciences. Students will be exposed to the state of Latin American information services as a mechanism for understanding the position of the region in the information age.

LAS 4397 International Service Learning
This course seeks to engage students in activities that combine both academic learning and community service in a foreign country. Students participate in an organized service activity that meets identified community needs. Students are required to reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility. Final service projects must be presented to a broad audience. May be combined with Study Abroad and may be conducted in English, Spanish or Portuguese. Faculty supervisor required.
Prerequisites: Consent of instructor.
Leadership (LEDR)

LEDR 2301 Foundations of Leadership
This course introduces students to leadership styles and the multiple definitions of leadership relating to various cultural, professional, civic and social roles. Includes a service learning component. This course is an introductory overview of leadership which must be taken prior to taking other required courses to earn the Certificate in International Leadership.

LEDR 4302 Theories of Leadership & Prac
This class is designed to emphasize the importance of leadership theories and their relevance in our daily lives. Practical application of theories will be a strong focus of the course and the application of theories to real-world situations. In addition, lectures, supplemental readings, and class handouts highlight research and theory for effective leadership across a variety of intercultural contexts. Students will also be required to put theories into practice through group projects and research. Included in this course is a focus on the intercultural principles associated with being a leader and the influences of service and civic engagement to impact positive social change.

Prerequisites: LEDR 2301.

LEDR 4303 International Leadership Cap
This course explores leadership in an international context and setting. Students participating in this faculty-led study abroad experience will explore international leadership content while immersing themselves in the culture of the site country. Upon return to the United States, students will have one semester to complete an independent project with regular consultation from the faculty member. This capstone will include an analysis of their experiences prior, during and after the trip abroad and will build upon their experiences in other courses from the leadership minor. Students who are unable to travel abroad should consult their advisor and department chair one year in advance to facilitate accommodations to this course.

Prerequisites: Department approval.

LEDR 4334 Spec Topic in Intl Leadership
A study abroad or traditional seminar course focused on a topic in cross-cultural leadership from a disciplinary or interdisciplinary perspective. The course can draw from one or a combination of the following disciplines: business, communication, education, history, marketing, political science, philosophy or sociology.

Prerequisites: LEDR 2301 or PSCI 2301.

Management (MGT)

MGT 3310 Principles of Management
This course is a study of managerial concepts, principles (planning, organizing, directing and controlling), and analysis of organizations (needs, motivations, personality, leadership, group dynamics and communication). Various conceptual and practical approaches of management for creating a quality work life will be included.

Prerequisites: Junior standing.

MGT 3320 Organizational Behavior
Provides an awareness of the behavior of the individual, the group and the organization within the organizational environment. The approaches necessary to create a quality of work life will be considered. Written and/or oral presentations are required.

Prerequisites: MGT 3310.

MGT 3340 Business Ethics
This course focuses on philosophical and ethical questions as managerial dilemmas: what is good, what is bad, right and wrong, moral duty and obligation in individual areas such as bribery, truth in advertising, environmental impact of business, working conditions, price levels, ugliness and beauty in philosophy and art in advertising, movies and the entertainment industry.

Prerequisites: MGT 3310.

MGT 3370 Human Resources Management
Analysis of current labor market issues, processes, and practices of collective bargaining and negotiation. Utilization of human resources management techniques including: personnel planning, staffing, salary and benefit administration; job analysis, evaluation, design, and classification; performance appraisal; skills development, assessment, and training; and the survey of job satisfaction.

Prerequisites: MGT 3310.

MGT 4199 Issues in Management
This course deals with selected issues of current importance in the field of management. May be repeated once when the topic changes.

MGT 4299 Issues in Management
This course deals with selected issues of current importance in the field of management. May be repeated once when the topic changes.

MGT 4330 Industrial Relations
The study of labor-management relations: the labor force, labor law, collective bargaining negotiations and contracts, grievance procedures and arbitration procedures, union organizations such as the AFL-CIO, non-unionized organizations, wages, salary and benefit administration, and safety, security, and equal employment issues within the workplace.

Prerequisites: MGT 3310.

MGT 4340 Leadership Theory and Practice
Students in this course will comprehend modern leadership practices and the foundational theories that support these practices. The course helps students to better apply leadership practices at individual, group, and organizational levels in profit, governmental, and non-profit settings. Students will also analyze and compare their own leadership capabilities and styles as well as those of leaders in various settings.

Prerequisites: Junior standing.

MGT 4350 Business, Govt & Society
Introduction to the organizations responsibilities and obligations to society and relationships with government in contemporary human ecology. Analysis of the issues surrounding the relationships of the business firm with the various stakeholders including government regulatory agencies. Business power and legitimacy, government regulatory patterns, business social responsibilities, consumerism, and environmental issues will be analyzed in this course.

Prerequisites: MGT 3310.

MGT 4360 Entrepreneurship & Mgt of Innov
A study of the formation and growth of new business ventures both as new start-up firms and with existing organizations. Business environmental factors which favor and inhibit entrepreneurial activities will be studied. Factors encouraging and fostering creativity, initiation, and innovation within an existing firm will also be analyzed.

Prerequisites: MGT 3310.
MGT 4380 Organizational Theory
This course focuses on the organization, its major subsystems, unit tasks, organizational technologies, and their implications for the design of a complex enterprise. The emphasis will be on the systematic adjustment processes of major subsystems and the whole organization to their changing contexts. Prerequisites: MGT 3310.

MGT 4399 Issues in Management
This course deals with selected issues of current importance in the field of management. May be repeated once when the topic changes. Prerequisites: Junior standing.

MGT 5199 Special Issues in Management
A study of topics of current interest in the field of management. May be repeated once when topic changes.

MGT 5299 Special Issues in Management
A study of topics of current interest in the field of management. May be repeated once when topic changes.

MGT 5310 Seminar in Management Concepts
A seminar in current foundation management concepts. This course includes theoretical and applied perspectives of management. Topics will include areas such as organizational behavior, organizational theory, leadership, ethics, human resource management and other relevant management topics.

MGT 5312 International Management
A study of the issues, concepts, and activities associated with the management of international organizations. Topics include social, political, cultural and economic issues as they affect decision making. Also, issues related to organization structures, strategic control, comparative management and international ethical problems are covered.

MGT 5315 Human Resource Development
A study of how human resources are developed within a firm. Topics include: learning and training; skills development and assessment; personnel planning; salary and benefit administration; job analysis, evaluation, design, and classification; and performance evaluation.

MGT 5317 Leadership & Decision Making
The interaction between decision making and leadership is the focus of this course. A study of individual, group, and organization level decision making processes from both a sociocultural and a prescriptive point of view. What is known about the myths and reality of leadership will also be studied.

MGT 5319 Entrepreneurship
This course focuses on the dynamic process of creating incremental wealth by individuals who assume major risks of providing value for some product or service. Research related to the feasibility of initiating an enterprise is conducted. Prerequisites: BA 5310.

MGT 5399 Special Issues in Management
A study of topics of current interest in the field of management. May be repeated once when topic changes.

MGT 6310 Seminar in International Mgt
A seminar acquainting the student with the functions, problems, and decision-making processes of multinational business organizations. Representative cases are used as a basis for decisions. The course also exposes students to current journal articles as well as classic works in international management. Prerequisites: Consent of instructor and the Graduate Advisor.

MGT 6312 Organizational Behavior
The class will cover the following topics: introduction to OB, organizational behavior fundamentals, attitudes and job satisfaction, personality and values, motivation, groups and teams, organizational communication, leadership, organizational climate and culture, organizational change and structure and global organizational behavior. Prerequisites: Consent of the instructor and the Graduate Advisor.

MGT 6315 Organizational Theory & Change
This course will include the following topics: absorptive capacity theory, actor-network theory, agency theory, control theory, diffusion of innovations theory, game theory, knowledge-based theory, organizational ecology theory, resource-based theory, social network theory, transaction cost theory. Prerequisites: Consent of the instructor and the Graduate Advisor.

MGT 6320 Human Resource Management
The topics included in this class are: strategic human resources, legal issues and diversity, employee relations, planning, financial impact of HR, staffing, training, organizational culture and change, management performance, career development and retention, reward system, global human resources, emerging trends in HR, and management research. Prerequisites: Consent of the instructor and the Graduate Advisor.

MGT 6325 Leadership & Cooperative Mgt
The following topics will be covered in this class: approaches to leadership, leader characteristics, charismatic leadership, transformational leadership, Fiedler’s Contingency model, situational leadership, normative decision model, LMX, substitutes, path-goal theory, power, leading teams, gender, organizational culture, strategic leadership, cultural and political context, authentic leadership, destructive leadership, spirituality, positive, plural, critical and servant leadership, follower-centered. Prerequisites: Consent of the instructor and the Graduate Advisor.

MGT 6335 Seminar in Ind&Comp Analysis
This course involves a rigorous assessment of major theoretical perspectives in industry, with particular emphasis on the nature and role of the competitive environment of organizations. Emphasis will be on relating theory to empirical results. The course will examine conceptualization and operationalization of central constructs, identify conceptual and methodological limitations of existing research, and interpret, integrate, and extend prior theory and research. Prerequisites: Consent of the instructor and the Graduate Advisor.

MGT 6340 Seminar in Strategy Management
This course involves a critical examination of the strategic management literature, including a theoretical, strategic understanding or organizations within their environments, a review and synthesis of research streams in the field of strategic management, and a study of contributions of other fields to it.
Management Information Systems (MIS)

MIS 1305 Intro to Computer Applications
An introduction to the use of computer applications and the Internet for problem-solving. This course will emphasize hands-on work with personal productivity applications (e.g., word processing, spreadsheet, presentation software).
TCCN: COSC 1301

MIS 1310 Business Computer Applications
Introduces and develops foundational skills in applying essential and emerging business productivity information technology tools. The focus of this course is on business productivity software applications, including word processing, spreadsheets, databases, presentation graphics, data analytics, and business-oriented utilization of the internet.

MIS 1350 Contemporary Prog Fundamentals
The course will take novice students through the setup, configuration, and programming of a basic cloud-based system. This stand-alone course has no prerequisites. Using freely available software, the student will learn first-hand how to build a basic system.

MIS 2350 Introduction to Programming
This course introduces students to Object-Oriented Programming. Major topics include language syntax, programming structures, using a development environment, using intrinsic components, screen and report design.

MIS 3310 Management Information Systems
Theory, capabilities, applications, benefits, liabilities and economics of business computer information systems. Using the computer to solve business problems. Management information systems and computer-based decision support is emphasized. The standard support application packages will be used. Written and/or oral presentations are required.
Prerequisites: Junior standing.

MIS 3320 Information System Analysis
The objective of this course is to introduce students to the processes, principles, guidelines, tools and techniques for systems analysis. Students will learn how to determine organizational needs, to understand and document business and information processes, and to find and organize the information that must be collected and stored by the organization. The course presents various modeling techniques used for this purpose, in particular, methods for modeling the way the organization operates, its business processes, the data used in business processes, and the information systems processing operations. Upon completion of this course, the student will be able to analyze and document the business functions and information processes activities of the firm using the appropriate tools necessary to effectively communicate systemic needs to all stakeholders.
Prerequisites: MIS 2350 and MIS 3310 or concurrent enrollment in MIS 3310.

MIS 3330 Database Design Implementation
Analysis of file organization techniques and data structures. Consideration of the management of data as a resource. Design of data models and data bases in business organizations. Use of data base management systems and user-oriented data manipulation languages, such as SQL.
Prerequisites: Junior standing.

MIS 3340 Data Comm. & Networking
The purpose of this course is to develop an understanding of the differences between centralized, decentralized, and distributed data processing systems; their relationships with the business enterprise, data communications and the parameters affecting the implementation of the system. Background for analysis, design, selection and evaluation of hardware, software and support required for a distributed data processing environment will be gained.
Prerequisites: Junior standing.

MIS 3350 Business Data Visualization
This course provides an overview of data visualization and analysis methods relevant to current business decision making. Students will develop skills through all phases of the analysis and visualization process; determine analysis purpose; retrieve relevant data; analyze the data; and present the data in a method that enhances understanding. Use of current visualization and analysis programs will be emphasized throughout the course.
Prerequisites: DS 2310 or permission of instructor.

MIS 4320 Data Mining and Buss Intel
This course will introduce students to various statistical techniques frequently used in analyzing data to generate information useful in business decision-making. Advanced data analytic techniques such as mathematical optimization, data mining, and artificial intelligence models will also be introduced using software-based data analytic tools.
Prerequisites: DS 2310 or permission of instructor.

MIS 4360 Social Business Analytics
This course will introduce students to various statistical techniques such as mathematical optimization, data mining, and artificial intelligence models to leverage the capacities of social IT and the data to create firms’ competitive advantages. This course will introduce students to various statistical techniques frequently used in analyzing data to generate information useful in business decision-making. Advanced data analytic techniques such as mathematical optimization, data mining, and artificial intelligence models will also be introduced using software-based data analytic tools.
Prerequisites: DS 2310 or permission of instructor.

MIS 4399 Issues in Information Systems
This course provides an overview of data visualization and analysis techniques relevant to current business decision making. Students will develop skills throughout all phases of the analysis and visualization process; determine analysis purpose; retrieve relevant data; analyze the data; and present the data in a method that enhances understanding. Use of current visualization and analysis programs will be emphasized throughout the course.
Prerequisites: DS 2310 or permission of instructor.

MIS 5201 Information Systems & Programm
For students interested in a basic introduction to computing. Introduces how computers create, preserve, manipulate and communicate information and the concepts and tools used to that end. By doing so, students will be able to recognize computational problems and develop basic skill sets to solve future problems. Topics include the basics of computer and Internet hardware and software, creating web pages, algorithms and logic, basic programming, and solving problems.
MIS 5330 Advanced Programming
An extended introduction to an advanced programming environment utilizing a business oriented programming language. The course will provide instruction in the advanced manipulation of data, and the programming of sophisticated data-intensive applications and file structures.
Prerequisites: MIS 2350 or equivalent or permission of instructor

MIS 5340 Networks & Distributed Systems
This course is designed to introduce the fundamental concepts of data/voice communication for both a technical and related managerial issues in an organizational environment. The course addresses network implementation and administration, telecommunications, client/server technologies, wireless technologies, standards and protocols, network management, strategic business applications and the managerial implications of globally distributed communications and information systems.

MIS 5350 Information System Analysis
The objective of this course is to provide an integrated perspective of problem solving utilizing information technology in today's complex business environment, with a concentration on the processes, principles, guidelines, tools and techniques for systems analysis. Topics include information requirements identification, systems theory, systems modeling, project planning, documentation, current and proposed systems specification, and introduction to data modeling. Communication skills will be honed, and formal presentations are required.

MIS 5360 Management of Info Systems
Issues relating to the administration of computer-based systems including planning and development; control and evaluation; organization and personnel. Societal and technological issues are also addressed from both a domestic and global managerial perspective.

MIS 5365 Business Info Security
Basic notions of confidentiality, integrity, authentication models, protection models, security kernels, audit, intrusion detection, operational security issues, physical security issues, security system life cycle management, personnel security, policy formation and enforcement, trust modeling, risks and vulnerabilities assessment, basic issues of law and privacy, trade secrets, employee covenants, copyright, database protection, software and hardware validation, verification and certification.
Prerequisites: MIS 5360 or concurrent enrollment.

MIS 5370 Database Management & Design
The objectives and methods of database management are covered. Topics include objectives of data and database management, data models, elementary database design, data dictionaries, data integrity, security and privacy. Actual use of a commercial database management system is required.
Prerequisites: MIS 5330 or concurrent enrollment.

MIS 5375 Data Mining & Bus Analytics
This course describes the set of techniques and tools for the transformation of an organization's raw data into meaningful and useful information for business decision-making. Major topics include data warehousing, data mining, data analytics, and statistical modeling.
Prerequisites: DS 2310 or equivalent.

MIS 5380 Info Systems Design & Implemen
This course is a continuation of MIS 5350. The emphasis is on the later phases of the system development life cycle (SDLC), with a focus on the design and implementation of information systems within organizations. Topics include, but are not limited to: comparing and contrasting a variety of approaches to system design; examining alternative approaches to the implementation of information systems, doing system integration and interface management; exposure to the development and documentation standards; testing and managing the conversion and hand-over of the system. Upon completion of the course, the student will be able to design, prototype, document and implement a moderately complex IS.
Prerequisites: MIS 5350 or concurrent enrollment and permission of instructor.

MIS 5390 Project Design & Management
This course includes a practical approach to business problem solving through the actual implementation of a significant software product. It includes study of project management tools and techniques necessary to plan, staff, organize and control the development of computer-based information systems.
Prerequisites: Must be taken during final semester prior to graduation.

MIS 5399 Special Issues in Info Systems
The course examines timely topics of concern to the MIS developer and systems manager. May be repeated once when topic changes.

MIS 6310 Seminar in Global Systems Mgt
Managing in an information-intensive environment requires skills and knowledge of business and systems change. This course teaches strategies for aligning a firm's information systems with rapidly changing business environments, taking both the perspective of organizational and technical issues. In addition, this course has a major emphasis on IT leadership and the skills necessary to be a successful leader in information-intensive, global environments. This course focuses on the interdependence between organizations, people and information technology by examining several key areas, from both a global and an organizational perspective, including: Managing Business Process Redesign and Software Development Managing Projects and Changes Information Technology and Leadership Managing Enterprise Information Systems
Prerequisites: Consent of the instructor and the Graduate Advisor.

MIS 6325 Social Business Analytics
This course is a doctoral level seminar in social media analytics. It examines topics in social data analysis including influence and centrality in social media, information diffusion on networks, topic modeling and sentiment analysis, identifying social bots, and predicting behavior.

MIS 6335 Data Mining & Bus Intelligence
It examines topics in theory and foundational issues, e-commerce models, data mining methods, algorithms for data mining, and the knowledge discovery process.

MIS 6345 Business Data Visualization
The class examines topics in business data visualization, including techniques and algorithms for creating effective visualization based on principles from graphic design, visual art, perceptual psychology and cognitive science.
**MIS 6350 Emerging Technologies**
This course examines topics in theory and foundational issues in these topics: Virtual reality in business, smart interaction with consumers, digital entrepreneurship, smart business process management, strategic value of big data and business analytics, software variability in dynamic environments, big data commerce, design science research, social commerce, market transformation to an IT-enable services oriented economy and social responsibilities for the management of mega projects.

**Mandarin (MAND)**

**MAND 1311 Intro Mand Chinese Non-Nat I**
A course designed for students with no prior knowledge of the language. Students will acquire basic oral communication skills, develop general knowledge of Chinese syntax, and gain knowledge of Hanzi (characters) in reading and writing. Chinese history and society are an integral component of this course.
TCCN: CHIN 1411

**MAND 1312 Intro Mand Chinese Non-Nat II**
This second level course is designed for students with an introductory knowledge of the language. The course emphasizes oral language skills in real-life contexts and reading and writing skills with Hanzi characters. Chinese history and culture are an integral part of the course.
Prerequisites: MAND 1311 or equivalent course, or departmental placement exam.
TCCN: CHIN 1412

**MAND 2311 Intermediate Mandarin I**
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.
Prerequisites: MAND 1312 or equivalent course.

**Marketing (MKT)**

**MKT 3310 Principles of Marketing**
An introductory course in marketing presenting the basic components of marketing including product policy, promotion, pricing, and distribution of goods, services and ideas to consumers and other buyers within a set of environmental forces that affect marketing decisions. Written and/or oral presentations are required.
Prerequisites: Junior standing.

**MKT 3320 Buyer Behavior**
An interdisciplinary approach to understanding buyer decision-making processes and psychological, sociological, and cultural factors influencing the processes. Analysis of marketing mix strategies and policies in a behavioral context.
Prerequisites: MKT 3310.

**MKT 3330 Advertising & Promotion Mgt**
Advertising, public relations, and promotions are systematically examined in terms of planning, executing, and evaluating marketing programs.
Prerequisites: MKT 3310.

**MKT 4199 Issues in Marketing**
Selected topics for special study related to marketing functions, processes, or issues. May be repeated once when topic changes.
Prerequisites: MKT 3310.

**MKT 4310 International Marketing**
Comparative analysis of cultural, legal, political, economic, and technological environments as they affect marketing strategy in the international marketplace. Special emphasis on problems of the multinational corporation and its role in the current world economy.
Prerequisites: MKT 3310.

**MKT 4320 Marketing Research**
Study of the scientific methods in marketing research with emphasis on collection, analysis, and interpretation of data as applied to the solution of marketing problems.
Prerequisites: MKT 3310 and DS 2310.

**MKT 4330 Marketing Management**
Study of the managerial aspects of the marketing functions: product planning, pricing, organizational structure, sales planning, and sales management.
Prerequisites: MKT 3310.

**MKT 4399 Issues in Marketing**
Selected topics for special study related to marketing functions, processes, or issues. May be repeated once when topic changes.
Prerequisites: MKT 3310.

**MKT 5199 Special Issues in Marketing**
A study of topics of current interest in the field of marketing. May be repeated once when topic changes.

**MKT 5299 Special Issues in Marketing**
A study of topics of current interest in the field of marketing. May be repeated once when topic changes.

**MKT 5310 Seminar in Marketing Mgt**
An analytical approach to the marketing management of the firm, emphasizing the development of competitive marketing strategies in a dynamic environment and implementation of marketing activities through methods, policies, and organizational structures.

**MKT 5320 International Marketing**
Surveys the economic, cultural, and political-legal environments in which international marketing takes place, and examines marketing functions and their adaptations to those environments. Includes analysis of selected case histories of actual business situations.

**MKT 5399 Special Issues in Marketing**
A study of topics of current interest in the field of marketing. May be repeated once when topic changes.

**MKT 6310 Seminar in International Mkt**
This course is an examination of current international marketing research with emphasis on understanding of theory, concept development, research design and analysis of research results.
Prerequisites: Consent of the instructor and Graduate Advisor.
MKT 6320 Marketing Strategy
The topic included in the class are the following: marketing management and strategy, strategy and competition, RBV, dynamic capabilities, marketing and strategy process, planning and implementation, innovation, relationship marketing, marketing knowledge and organizational learning, market orientation, culture, brand issues, product design, inter-organizational issues, services marketing, CRM, digital marketing, marketing and finance, interface, global issues.
Prerequisites: MKT 6310

MKT 6330 Marketing Theory
The topics covered in the class are the following: historical development of marketing, school of marketing thought, marketing discipline, explanation, scientific laws, theory, controversy in marketing theory, scientific realism, truth, objectivity, philosophy of science discipline, rise and fall of historical relativism in philosophy of science.
Prerequisites: MKT 6310

MKT 6340 Consumer Behavior
The topics covered in the class are the following: learning, memory, search and knowledge, affect and decision making, self control and self regulation, attitudes and persuasion, choice set compositions and context effects, consumption.
Prerequisites: MKT 6310

MKT 6350 Research Methods in Marketing
The topics covered in the class are the following: measurement, scale development, validity, reliability, survey and sampling, designing surveys, experimental design, qualitative methods.
Prerequisites: MKT 6310

MKT 6360 Special Topics in Marketing
The topics covered in the class are the following: digital/social media marketing, new product development, advertising and promotion, business and marketing ethics, marketing-finance interface.
Prerequisites: MKT 6310

Mathematics (MATH)

MATH 1314 College Algebra
The fundamentals of algebra; polynomials and graphs; conic sections; systems of linear equations, matrices; sequences and series; mathematical induction and the binomial theorem.
Prerequisites: Completion of Texas Success Initiative (TSI) mathematics requirements, appropriate level developmental course sequence, an minimum ACT Mathematics score of 19 with an ACT Composite score of 23 or above, a minimum SAT Mathematics score of 500 with a SAT Total score of 1,070 or above, or a Redesigned SAT Mathematics score of 530 or above.
TCCN: MATH 1314

MATH 1316 Plane Trigonometry
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. Students completing both MATH 1314 and MATH 1316 may satisfy MATH 2412 requirement at TAMU.
Prerequisites: ACT Mathematics score of 27 or above, an SAT Mathematics score of 630 or above, a Redesigned SAT Mathematics score of 650 or above, or MATH 1314.
TCCN: MATH 1316

MATH 1324 Business Math I
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; and linear programming.
Prerequisites: Completion of Texas Success Initiative (TSI) Mathematics requirements or appropriate level developmental course sequence.
TCCN: MATH 1324

MATH 1325 Business Math II
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. This course is not a substitute for MATH 2413.
Prerequisites: MATH 1324.
TCCN: MATH 1325

MATH 1332 Mathematics for Liberal Arts I
This course is 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.
Prerequisites: Completion of Texas Success Initiative (TSI) Mathematics requirements or appropriate level developmental course sequence.
TCCN: MATH 1332

MATH 1342 Introductory Statistics
Topics include 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.
Prerequisites: Completion of Texas Success Initiative (TSI) Mathematics requirements or appropriate level developmental course sequence.
TCCN: MATH 1342

MATH 1348 Analytic Geometry
Lines, circles, and other conic sections; transformation of coordinates; polar coordinates; and parametric equations.
Prerequisites: MATH 1316 or MATH 2412.
MATH 1350 Fundamentals of Mathematics I
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. This course is primarily intended for students enrolled in the degree programs with various levels of certification.
Prerequisites: MATH 1314, MATH 1324, MATH 1332, or MATH 1342.
TCCN: MATH 1350

MATH 1351 Fundamentals of Mathematics II
Probability, statistics, and geometry. This course cannot be used to fulfill Core Curriculum requirement.
Prerequisites: MATH 1350.
TCCN: MATH 1351

MATH 2330 Elementary Geometry
Introduction to classical Euclidean Geometry. Postulates, congruency, similarity and classical construction. Introduction to solid geometry and transformations in the plane. (Formerly MATH 3320)

MATH 2412 Pre-Calculus
In-depth combined study of algebra, trigonometry, and other topics for calculus readiness. Topics include: Analytic geometry, complex numbers, and systems of algebraic equations; algebraic, exponential, logarithmic and trigonometric functions and applications; sequences and applications. Students will receive credits for at most two courses from MATH 1314, 1316 and 2412.
Prerequisites: ACT Mathematics score of 25 or above, an SAT Mathematics score of 600 or above, a Redesigned SAT Mathematics score of 620 or above, MATH 1314, or successful completion of Pre-Calculus Placement Exam.
TCCN: MATH 2412

MATH 2413 Calculus I
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. Course credits may be received for an AP score of 3 or more for Calculus AB.
Prerequisites: ACT Mathematics score of 29 or above, an SAT Mathematics score of 660 or above, a Redesigned SAT Mathematics score of 690 or above, MATH 1316, or MATH 2412.
TCCN: MATH 2413

MATH 2414 Calculus II
Techniques and applications of integration of differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals. Course credits may be received for an AP score of 3 or more for Calculus BC.
Prerequisites: MATH 2413.
TCCN: MATH 2414

MATH 2415 Calculus III
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.
Prerequisites: MATH 2414.
TCCN: MATH 2415

MATH 3195 Seminar
Seminar on various topics in mathematics. May be repeated for credit with departmental approval.

MATH 3200 Seminar
Seminar on various topics in mathematics. May be repeated for credit with departmental approval.

MATH 3310 Introduction to Linear Algebra
Introduction to linear transformations and matrices; vector spaces, vector operations.
Prerequisites: MATH 2415.

MATH 3318 Advanced Linear Algebra
A continuation of MATH 3310. Focuses on more abstract aspects as well as computational aspects. Topics include inner product spaces, spectral theorems, diagonalization, Hermitian matrices, quadratic forms, numerical linear and Jordan canonical.
Prerequisites: MATH 3310.

MATH 3320 Modern Geometry
Modern development of Euclidean geometry (Hilbert axioms) with historical and philosophical context; independence of the parallel postulate; models of hyperbolic non-Euclidean geometry, as well as transformational geometry, with techniques from linear algebra. Intended primarily for students seeking secondary certification.
Prerequisites: MATH 3310.

MATH 3325 Geometry
Selected topics from the foundations of Euclidean and non-Euclidean geometries. Includes the study of spherical and hyperbolic geometries, as well as transformational geometry, with techniques from linear algebra. Intended primarily for students seeking secondary certification.
Prerequisites: MATH 3310.

MATH 3328 Advanced Geometry
Study of Neutral, Euclidean and Hyperbolic geometries from an axiomatic perspective.
Prerequisites: MATH 3365.

MATH 3330 Ordinary Diff Equations
Prerequisites: MATH 2414.

MATH 3360 Statistical Analysis
Fundamentals of probability, distribution theory, random variables, law of large numbers, central limit theorems, statistical inequalities.
Prerequisites: MATH 2414.
MATH 3365 Discrete Mathematics
This course is a study of elements of discrete mathematics. Topics covered: logic; counting techniques; mathematical induction; the binomial theorem; number theory; sets, relations and functions. Prerequisites: MATH 2413.

MATH 3371 Communications in Mathematics
This course is designated to enhance students’ communication skills in mathematics. Emphasis will be placed in writing proofs. Topics include set theory, logic and properties of numbers at an elementary level. Substantial writing in mathematics using LaTeX is required. Prerequisites: ENGL 1302 and MATH 3365.

MATH 3390 Principles of Math for Elem Ed
An in-depth study of the mathematical principles and concepts underlying the traditionally computational techniques for the teaching of mathematics at early childhood and elementary school levels. The course content includes problem solving; arithmetic, algebra, geometry, probability, logic, counting, numeration and number systems (including natural, integer, rational, and real number systems), and their historical development; content based teaching; integrating various areas of mathematics; and examining connections of college-level mathematics course contents with the mathematics content of and its effective teaching at the early childhood and elementary school levels. In addition, TExES Mathematics Standards V-IX covering Mathematical Processes, Mathematical Perspectives, Mathematical Learning and Instruction, Mathematical Assessment and Professional Development will be emphasized. Students must earn a "C" or better to successfully complete the course. The course may not be counted toward a major or minor in Mathematics or for certification in secondary mathematics. Open only to early childhood/elementary education majors. It is strongly recommended to take this course concurrently with Block II. Prerequisites: Completion of Block I and a grade of at least "C" in MATH 1350 and 1351.

MATH 3395 Seminar
Seminar on various topics in mathematics. May be repeated for credit with departmental approval.

MATH 4152 Internship in Mathematics
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a mathematical science setting. Students will apply mathematical knowledge in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspectives. Prerequisites: Permission of the instructor and advisor.

MATH 4252 Internship in Mathematics
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a mathematical science setting. Students will apply mathematical knowledge in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspectives. Prerequisites: Permission of the instructor and advisor.

MATH 4305 Number Theory
Divisibility, congruence, power residues, quadratic reciprocity, Diophantine equations, Euler's function, Fermat's theorem, primitive roots, Legendre and Jacobi symbols. Prerequisites: MATH 3365 and MATH 3310.

MATH 4310 Abstract Algebra I
Introduction to abstract algebra. Topics include Introduction to Ring theory, arithmetic in integers, modular arithmetic, fields, arithmetic in the Ring of polynomials. Unique factorization in integers and polynomials. Introduction to Group theory: definition and examples, subgroups, quotient groups, symmetry groups and permutation groups. Prerequisites: MATH 3365.

MATH 4315 Abstract Algebra II
Continuation of MATH 4310. Topics in group theory: group actions, Sylow theorems, fundamental theorem of Abelian groups, and finite simple groups. Topics in Ring theory: ideals and quotient rings, Euclidean domain, principal ideal domain and unique factorization domain. Topics in Field theory: vector spaces, field extensions, finite field, and Galois Theory. Prerequisites: MATH 4310.

MATH 4330 Numerical Linear Algebra
Numerical methods for problems of linear algebra, including the solution of large systems, eigenvalues and eigenvectors. Prerequisites: MATH 3310

MATH 4335 Advanced Calculus
A course in real analysis. It will include topology, continuity, differentiation, integration, sequences, series and power series. Prerequisites: MATH 2414 and MATH 3365.

MATH 4340 Numerical Analysis I
Error analysis, solutions of non-linear functions, systems of linear equations, eigenvalue problems, interpolation theory, numerical differentiation and integration, numerical methods for ordinary differential equations. Prerequisites: MATH 3330 and MATH 3310.

MATH 4341 Numerical Analysis II
Finite difference methods and finite element methods for elliptic, parabolic and hyperbolic equations. Prerequisites: MATH 4340 and MATH 4350.

MATH 4345 Complex Variables
This is a course in complex variables which will include analytic functions, power series, the theory of residues and conformal mappings. Prerequisites: MATH 4335 or permission of instructor.

MATH 4350 Partial Differential Equations
Theory of partial differential equations and boundary value problems with applications to the physical sciences and engineering. Detailed analysis of the wave equation, the heat equation, and the potential equation. Numerical methods to solving partial differential equations will also be discussed. Prerequisites: MATH 3330.

MATH 4352 Internship in Mathematics
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a mathematical science setting. Students will apply mathematical knowledge in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspectives. Prerequisites: Permission of the instructor and advisor.
MATH 4355 Selected Topics in Math
Topics selected from the fields of pure or applied mathematics. May be repeated when topic changes.
Prerequisites: Senior standing and permission of instructor.

MATH 4360 Introduction to Topology
Basic concepts of point-set topology including connectedness, compactness, etc. and metric spaces.
Prerequisites: MATH 3365 and 4335.

MATH 4365 Geometry of Curves&Surfaces
This course will present geometry of curves and surfaces in three dimensional Euclidean space. Topics include 1) From Curve Theory: Parametrized Curves, Arc Length, Frenet-Serret Frame, Singularities, Theory of Contact, Curvature, Torsion, Intrinsic Equation of Curves, Global Properties of Curves; 2) From Surface Theory: Parametrized Surfaces, Tangent Plane and Normal Line, First and Second Fundamental Forms, Curvature of Surfaces.
Prerequisites: MATH 2415, 3310.

MATH 4370 Undergraduate Research in Math
Students work on a theoretical or applied research project. The plan of study is negotiated by the faculty member and the student. Course may be repeated under different topic for credit. Evaluation of performance in this course is on a Pass/Fail basis.
Prerequisites: Consent of the instructor and the department.

MATH 4385 History of Mathematics
Topics from arithmetic and computation, algebra, geometry, trigonometry, calculus, number theory, linear algebra, etc. from ancient recorded history to modern times intertwined with historical perspectives, biographies of several mathematicians from different cultures and times, their contributions, and that of their cultures, to mathematics and society.
Prerequisites: Nine semester hours of advanced mathematics.

MATH 4390 Math in Middle & High School
Explore contemporary issues, connections among various mathematics topics, and specialized pedagogical content knowledge for teaching mathematics at the secondary school level. Content topics may include: using sequences and series to solve problems in the mathematics of finance, relate geometry and algebra by representing transformations as matrices, apply probability concepts to make inferences in statistics, and essential understandings of functions in both higher-level mathematics and in real-world contexts, among others. Concurrent enrollment in Block II is strongly recommended.
Prerequisites: Completion of Block I and at least twelve upper-level mathematics SCH.

MATH 4395 Senior Mathematics Project
A study project under the direction of a member of the mathematics faculty. Required will be a written report, oral presentation and approval by both the advisor and one additional mathematics faculty member. Prerequisites: Senior standing and permission of instructor.

MATH 4452 Internship in Mathematics
A directed internship in a public/private organization that is appropriate to the student's career objective or desire in a mathematical science setting. Students will apply mathematical knowledge in a real world setting and receive on-the-job training experience. Seminar and training will be held to discuss field experience from theoretical and applied perspectives.
Prerequisites: Permission of the instructor and advisor.

MATH 5191 Mathematics Seminar
A seminar presents diverse topics from pure and applied mathematics. Students are encouraged to present a series of articles, journals and portions of monograms during the class meetings. May be repeated once when topics vary. (Formerly MATH 5190)
Prerequisites: Graduate standing and permission of instructor.

MATH 5252 Internship in Mathematics
Students are encouraged to have directed internships in a public or private organization appropriate to the student's career objective/desire. Taken during the last year of the student's program of study, student has to provide that the nature of the assignment undertaken in the organization has relevant mathematics components.
Prerequisites: Graduate standing and permission of the department and instructor.

MATH 5290 Research Mthds in Mathematics
This course deals with the basic tools of the mathematics to better understand mathematical research. Analytical concepts, survey research, in some cases, statistical/computational software and their methods will be the basis of this course.
Prerequisites: Graduate standing and permission of the instructor.

MATH 5303 Number Theory I
This first course in number theory introduces algebraic number theory as well as the analytic methods. Topics include: Number fields, algebraic integers, ideals and units, ideal class groups, ramification theory, quadratic and cyclotomic fields, zeta-functions and L-series.
Prerequisites: Graduate standing and permission of instructor.

MATH 5304 Number Theory II
Topics include: Artin reciprocity law, topics from field theory; modular functions and elliptic curves, Diophantine equations, distribution of prime numbers, computations applications of algebraic curves over finite fields such as elliptic curve cryptography and coding.
Prerequisites: MATH 5303.

MATH 5305 Real Analysis I
This is a course on Lebesgue measure and integration. The classical lp spaces will be defined and basic results established, such as the Holder and Minkowski inequalities and completeness of the spaces.
Prerequisites: Graduate standing and permission of instructor.

MATH 5306 Linear Algebra
Topics include: Canonical structure theorems, diagonalization, the spectral theorem, inner-product spaces, and their applications and extensions.
Prerequisites: Graduate standing and permission of instructor.

MATH 5311 Real Analysis II
Topics include: Fourier series, introduction to Hilbert Spaces, the spectral theorem for compact linear operators on Hilbert spaces with applications to differential equations.
Prerequisites: MATH 5305, and knowledge equivalent to MATH 3310.

MATH 5312 Functional Analysis I
This is the first course in Functional Analysis. Topics include: Topological vector spaces, Banach spaces, the open mapping and closed graph theorems, the Hahn-Banach theorem, duality and weak topologies.
Prerequisites: MATH 5305 and knowledge equivalent to MATH 3310.
MATH 5315 Combinatorics
This course discusses discrete mathematical structures, especially the enumeration and the optimization problems related to them. Algorithmic (constructive) aspects will be emphasized. Course work involves computer programming projects. Topics include: basic tools of combinatorics, graphs and networks, relations, the counting problems, the existence problems, the combinatorial optimization. Prerequisites: Graduate standing and permission of instructor.

MATH 5316 Graph Theory
This is a basic course in graph theory. Fundamental concepts of graph theory will be investigated. Topics include: directed graphs, trees and distance, spanning trees, coloring of graphs, planar graphs, edges and cycles. Prerequisites: Graduate standing and permission of instructor.

MATH 5320 Complex Variables I
This is the first course on functions of one complex variable. It will begin with the complex number system and will treat topics such as power series, analytic functions, Mobius transformations, complex integrations, residue calculus, singularities, and Schwarz's Lemma. Prerequisites: Graduate standing and consent of instructor.

MATH 5321 Complex Variables II
This is the second course on functions of one complex variable. Topics include: conformal mappings, convex functions, the Hadamard Three Circles Theorem, compactness, convergence in the space of analytic functions, Runge's theorem, analytic continuation and Riemann surfaces, harmonic functions, entire functions, and Picard's Theorems. Prerequisites: MATH 5320.

MATH 5330 Abstract Algebra I
This is the first course in Abstract Algebra. The main topics in this course will be groups, rings, fields, subgroups, quotient groups, ideals, homomorphisms and introduction to field extensions. There will be classical examples of permutation groups, polynomial rings and integral domains, questions of factorization, ideals and fundamental homomorphism theorems. Prerequisites: MATH 5320.

MATH 5331 Abstract Algebra II
Topics include modules, finite fields, Fundamental Theorem of Field Theory, algebraic extensions, the classification of finite fields, Fundamental Theorem of Galois Theory, and the cyclotomic extension. Prerequisites: MATH 5330.

MATH 5340 Differential Geometry
This course is an introduction to the differential geometry of n-dimensional manifolds. Topics include: Riemannian manifolds, differential forms and Stokes Theorem. (Note that differential geometry is relevant to differential equations, mathematical physics, as well as other areas of sciences.) Prerequisites: MATH 5365 and knowledge equivalent to MATH 2415 and MATH 4335.

MATH 5350 Ordinary Diff Equations I
This is the first course in ordinary differential equations. The course will include systems of linear differential equations, two dimensional autonomous systems, existence, uniqueness and continuation of solutions, dependence of solutions on initial conditions and parameters. Prerequisites: Graduate standing and permission of instructor.

MATH 5355 Advanced Topics in Mathematics
Advanced topics selected from the fields of pure or applied mathematics. May be repeated when topic changes. Prerequisites: Graduate standing and permission of instructor.

MATH 5360 Partial Differential Equations
This is a basic course in partial differential equations. The course will cover the following: first order linear partial differential equations, classification of second order equations and canonical forms, Fourier series and integrals, the wave equation, the Cauchy problem for hyperbolic equations, the heat equation, the weak maximum principle, the strong maximum principle, the Laplace equation, Green's function and Poisson's formula. Prerequisites: MATH 5350.

MATH 5365 Topology
This is an introductory course in point-set topology. The course will include topological spaces, continuous functions, connectedness, and separation axioms. Tychonoff's theorems, para-compactness, complete metric spaces and function spaces will also be discussed. Prerequisites: Graduate standing and permission of instructor.

MATH 5367 Numerical Methods for PDE I
A study of algorithms for the numerical solution of hyperbolic and parabolic partial differential equations using the finite difference method; stability and convergence of methods and error bounds. Applications from physics and engineering will be emphasized. Prerequisites: Graduate standing and permission of instructor.

MATH 5368 Numerical Methods for PDE II
A study of algorithms for the numerical solution of elliptic partial differential equations using the finite difference method; stability and convergence of methods and error bounds. Applications from physics and engineering will be emphasized. Prerequisites: Graduate standing and permission of instructor.

MATH 5370 Mathematical Modeling
This is the first course in mathematical modeling. Topics include: linear equations and models, non-linear equations and models, modeling with linear systems, modeling with non-linear systems, mathematical modeling and dynamical systems, non-homogeneous systems, empirical models and linear regression, bifurcation and chaos. Working knowledge of a computer programming language is preferred. Prerequisites: Graduate standing and permission of instructor.

MATH 5375 Probability
Topics include: distribution functions, random variables, expectation, independence, convergence concepts, law of large numbers, characteristic functions, the central limit theorem, conditional expectation, martingales and Brownian. Prerequisites: MATH 5305.

MATH 5395 Graduate Research in Math
This is an individual study course offered to graduate students. The study is negotiated by the faculty member and the student. Course may be repeated when topic changes. Prerequisites: Consent of instructor.
MATH 5398 Thesis I
This course is designed to be the first step towards the successful completion of the Mathematics thesis. Students schedule the coursework in consultation with their advisor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on a draft. If the grade of IP is received, the student must enroll again for credit. Approval of the major professor and the department chair. All core courses should be completed prior to beginning thesis work, preferably during the last year of the student's program of study. Prerequisites: Graduate standing and permission from the student's thesis advisory committee.

MATH 5399 Thesis II
This course is designed to be the final step towards the successful completion of the Mathematics thesis. Students schedule the coursework in consultation with their advisor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have success fully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, MATH 5398: Thesis I, permission from the student's thesis advisory committee and approval of the major professor and the department chair.

MATH 5699 Thesis II
This course is designed to be the final step towards the successful completion of the Mathematics thesis. Students schedule the coursework in consultation with their advisor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have success fully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, MATH 5398: Thesis I, permission from the student's thesis advisory committee and approval of the major professor and the department chair.

MATH 5999 Thesis II
This course is designed to be the final step towards the successful completion of the Mathematics thesis. Students schedule the coursework in consultation with their advisor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have success fully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, MATH 5398: Thesis I, permission from the student's thesis advisory committee and approval of the major professor and the department chair.

Military Science (MS)

MS 1303 Intro to Army & Crit Thinking
This course introduces the student to the personal challenges and competencies that are critical for effective leadership and communication. The student will learn how the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officering, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student. Corequisites: MS 1003.

MS 1304 Intro to the Profess of Arms
This course introduces the student to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. Through this course, the student will learn how Army ethics and values shape views and the specific ways that these ethics are inculcated into the Army culture. Corequisite MS 1004.

MS 2303 Foundations of Leadership
This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. The focus continues to build on developing knowledge of the leadership attributes and core leader competencies through the understanding of Army rank, structure, and duties as well as broadening knowledge in land navigation and squad tactics. Case studies will provide a tangible context for learning the Soldier's Creed and Warrior Ethos. Corequisite MS 2003.

MS 2304 Found of Tactical Leadership
This course examines the challenges of leading teams in the complex operational environment, and it highlights the dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. Students develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. Case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Corequisite; MS 2004.

MS 3303 Adaptive Team Leadership
During this course the student will develop confidence, awareness, initiative, accountability, and the ability to analyze and solve problems while displaying the characteristics of an Officer for personal development and leadership within the institutional environment. The student will continue to develop as a leader that can improvise and adapt knowledge and skills to solve problems when facing altered situations. Corequisite; MS 3003. Prerequisites: MS 1303/1003, MS 1304/1004, MS 2303/2003, MS 2304/2004; or Cadet Initial Entry Training; or Basic Military Training through ARMY/Army Reserve/National Guard.

MS 3304 Applied Team Leadership
During this course the student will continue to develop confidence, awareness, initiative, accountability, and the ability to analyze and solve problems while displaying what it means to be an Officer and considers what branch they can best serve based on their individual skills and qualifications. The student will continue to develop as a leader who can improvise and adapt knowledge and skills to solve problems when facing complex situations. Corequisites: MS3004

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MS 3305 Cadet Leader's Course Intern
The Cadet Leader's Course (CLC) is ROTC's capstone training and assessment exercise, required for all cadets who hope to day become Army lieutenants. Each summer, rising seniors attend CLC at Fort Knox, Kentucky. The 29-day course incorporates a wide range of subjects designed to develop and evaluate leadership ability such as: land navigation, water confidence, basic rifle marksmanship, and situational tactical exercises (STX). The challenges are rigorous and demanding, both mentally and physically. This course tests intelligence, common sense, ingenuity and stamina. These challenges provide a new perspective on an individual’s ability to perform exacting tasks and to make difficult decisions in demanding situations.
Prerequisites: MS 3303 and MS 3304.

MS 4303 Mission Cmnd & the Army Prof
This course explores the dynamics of leading in the complex situations of current military operations. Students will examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Students also explore aspects of interacting with non-government organizations, civilians on the battlefield, the decision making processes and host nation support. The course places significant emphasis on preparing students for future Army training following graduation and commissioning, and the first unit of assignment. It uses mission command case studies and scenarios to prepare students to face the complex ethical demands of serving as a commissioned officer in the United States Army. Students will: explore military professional ethics, organizational ethics and ethical decision making processes, gain practical experience in battalion leadership roles and training management, begin leadership self-development, including civil military and media relation, and prepare for the transition to a career as an Army Officer.
Corequisites: MS 4003.

MS 4304 Mssn Cmnd & the Cont Grade Off
This course explores the dynamics of leading in complex situations during Unified Land Operations I, II, and III. Students will examine the Art of Command and how to properly communicate with NCOs and Soldiers during Taking Charge 1, 2 and 3, and Developing Others (counseling). During Cultural Awareness and Cultural Property Protection (CPP), students will discuss numerous situations of how ethical decisions impact personnel and the unit mission. Through the understanding of roles and responsibilities, students will learn how Comprehensive Soldier Fitness (CSF), Being Ready and Resilient (R2C), and Individual and Family Readiness can assist them in preparing Soldiers and their Families in reducing and managing stress during times of uncertainty. The course places significant emphasis on preparing students for BOLC B and their first unit of assignment. It uses mission command case studies and scenarios to prepare students to face the complex ethical demands of serving as a commissioned officer in the United States Army. Students will: identify the leader's roles and responsibilities for enforcing Army policies and programs, explore the dynamics of building a team prepared to handle any future operational environment and win, examine the importance of understanding culture and how it can affect a unit and its mission, develop both oral and written communication skills by conducting a battle analysis and decision brief.
Corequisites: MS 4004.

Multicultural Education (EDME)
EDME 5310 Problem-solving Tech Sec Math
An intensive exploration of successful problem-solving techniques for the secondary mathematics teacher. Emphasis will be placed upon recognizing and developing individual competency in the various best practices associated with successful transfer of both content and skill in mathematics. Additional focus will cover pragmatic and proven techniques for engaging students who are challenged in language, cognitive ability, and/or interest in mathematics.

EDME 5390 Iss&Prob in Sec Math Ed
Specific attention will be focused on various contemporary issues concerning the teaching of mathematics to secondary students. Group discussions, debates and other classroom methodologies may be employed by the course instructor to fully develop students’ interest, knowledge base, and inquiry into issues related to successful mathematics instruction.

Music (MUSI)
MUSI 1100 Music and Children
An introduction to the principles of music that can be related to the expressive and developmental needs of children from pre-school through the fourth grade.

MUSI 1116 Aural Training I
An introduction to aural training through sight-singing, dictation, and keyboard exercises reinforcing theoretical concepts learned in MUSI 1211.
Prerequisites: Current enrollment in or completion of MUSI 1211.
TCN: MUSI 1116

MUSI 1117 Aural Training II
A continuation of aural training through sight-singing, dictation, and keyboard exercises reinforcing theoretical concepts learned in MUSI 1212.
Prerequisites: Completion of MUSI 1116 with a grade of "C" or better, completion of MUSI 1211 or consent of instructor, current enrollment in or completion of MUSI 1212.
TCN: MUSI 1117

MUSI 1161 Diction I English & German
Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of standard English and German speech with an emphasis on resonance, breath control, vocal relaxation, posture, and other salient aspects of proper/healthy vocal production/training.
Prerequisites: Consent of instructor.
TCN: MUSI 1161

MUSI 1162 Diction II Italian & French
Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of standard Italian and French speech with an emphasis on resonance, breath control, vocal relaxation, posture and other salient aspects of proper/healthy vocal production/training.
Prerequisites: Consent of instructor.
TCN: MUSI 2160
MUSI 1181 Piano Class I
An introduction to piano performance and keyboard skills in a group context. Music majors and minors are taught how to effectively apply the piano keyboard as a teaching/demonstration tool for future classroom teaching purposes. Enrollment restricted to music majors and minors.
TCCN: MUSI 1114

MUSI 1182 Piano Class II
A continuation of piano performance and keyboard skills in a group context.
Prerequisites: MUSI 1181 completed the previous semester with a grade of C or better, consent by audition, or consent of instructor.
TCCN: MUSI 1182

MUSI 1183 Class Piano I: Nonmusic Majors
An introduction to piano performance in a group context. Open to all University students who have no experience in piano.
TCCN: MUSI 1181

MUSI 1184 Class Piano II: Nonmusic Major
A continuation of piano performance and keyboard skills in a group context.
Prerequisites: MUSI 1183 completed the previous semester with a grade of C or better, consent by audition or consent of instructor.
TCCN: MUSI 1182

MUSI 1211 Music Theory I
An introduction to the elements of music; notation, scales, keys, intervals, chords, voice leading in four voices, and harmonic progression. Student must pass departmental theory placement exam, and concurrent enrollment in or completion of MUSI 1116.
TCCN: MUSI 1211

MUSI 1212 Music Theory II
A continuation of Music Theory I. An introduction to seventh chords and their inversions, four-part writing, modulation to closely related keys, and secondary dominant chords. Includes a general summary of baroque and classical harmonic practices through a survey of selected repertories from those styles.
Prerequisites: Completion of MUSI 1211 with a grade of "C" or better, completion of MUSI 1116 or consent of instructor, current enrollment in or completion of MUSI 1117.
TCCN: MUSI 1212

MUSI 1216 Aural Training I
An introduction to aural training through sight-singing, dictation, and keyboard exercises reinforcing theoretical concepts learned in MUSI 1211.
Prerequisites: Current enrollment in or completion of MUSI 1211.
TCCN: MUSI 1216

MUSI 1301 Music Fundamentals
Introduction to music fundamentals; staff, clefs, key signatures, scales, time signatures and notation, meter and rhythm, chords, harmony, melodic organization and structure. May be taken by all who desire to develop basic music skills. Satisfies Visual / Performing Arts credit.
TCCN: MUSI 1301

MUSI 1302 Computer/Electronic Music
An introductory course on the use of computer music programs and some electronic equipment for notation, arranging, composition, and performance.
Prerequisites: Completion of MUSI 1211 and 1212 with a grade of "C" or better.

MUSI 1306 Music Appreciation
An introduction to music masterpieces of the Western world. Explores musical elements, form, design and the relationship of music to other areas of cultural and historical development. Study begins with music of the Middle Ages and progresses by Era through the Twentieth Century. Live and recorded performances. For music minors and non-music majors. This course will satisfy the Visual and Performing Arts requirements of the core curriculum.
TCCN: MUSI 1306

MUSI 1310 American Popular Music
Designed primarily for non-music majors, this course satisfies the Visual and Performing Arts requirement of the core curriculum. This course is a general survey of various styles of popular music in America such as pop, rock, jazz, ragtime, folk, ethnic, and fusion in the twentieth century.
TCCN: MUSI 1310

MUSI 2116 Aural Training IV
A continuation of MUSI 2116 and 2211, this is a companion course to 2211. It is designed to further the understanding of classical and chromatic harmony through related aural exercises, dictation, and sight singing.
Prerequisites: Completion of MUSI 2117 with a grade of "C" or better, completion of MUSI 2121 or consent of instructor, current enrollment in or completion of MUSI 2211.
TCCN: MUSI 2116

MUSI 2160 Diction II German
Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of standard German speech with an emphasis on resonance, breath control, vocal relaxation, posture and other salient aspects of proper /healthy vocal production/training. (Formerly MUSI 1162)
Prerequisites: Consent of instructor.

MUSI 2161 Diction III French
Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of standard French speech with an emphasis on resonance, breath control, vocal relaxation, posture and other salient aspects of proper/healthy vocal production/training.
Prerequisites: Consent of instructor.

MUSI 2181 Piano Class III
A continuation of piano performance and keyboard skills in a group context.
Prerequisites: MUSI 1182 completed the previous semester with a grade of C or better, consent by audition, or consent of instructor.
MUSI 2182 Piano Class IV
A continuation of piano performance and keyboard skills in a group context. Students pursuing a BM and/or BM all-level must pass the Piano Proficiency Exam at the end of this course to meet graduation requirements.
Prerequisites: MUSI 2181 completed the previous semester with a grade of C or better, consent by audition, or consent of instructor.

MUSI 2211 Music Theory III
A continuation of MUSI 1211 and 1212, this course is a broad summary of classical and chromatic harmony explored through written exercises, analysis, and correlated keyboard projects.
Prerequisites: Completion of MUSI 1212 with a grade of "C" or better, completion of MUSI 1117 or consent of instructor; current enrollment or completion of MUSI 2116.

MUSI 2212 Music Theory IV
A continuation of MUSI 2211, this course is an exploration of Twentieth Century through written exercises, analysis, and correlated keyboard projects.
Prerequisites: Completion of MUSI 2211 with a grade of "C" or better, completion of MUSI 2216 or consent of instructor, current enrollment in or completion of MUSI 2217.

MUSI 3100 Music and Children
An introduction to the principles of music that can be related to the expressive and developmental needs of children from pre-kindergarten through the sixth grade.

MUSI 3133 Elementary Music
A course which introduces the fundamentals of teaching music for elementary grades K-6. The course is taught in a laboratory setting with hands-on training in creating and implementing lesson plans with music content.
Prerequisites: Upper level standing in music major/minor or consent of instructor.

MUSI 3135 Guitar Methods
A course which introduces the fundamentals of playing guitar, including first position, notation reading and chordal accompaniment using free stroke, rest stroke and rasqueado techniques. The course is taught in a laboratory setting with hands-on training on actual instruments.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3157 Opera Workshop V
The above courses are designed to give students experience in studying, rehearsing, and performing operas, operettas, or excerpts from them.
Prerequisites: Consent of instructor.

MUSI 3166 Woodwind Methods
A course which introduces the fundamentals of each of the three families of woodwind instruments: single reeds, double reeds, and flute. The course is taught in a laboratory setting with hands-on training on actual instruments in each of the three families.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3168 Brass Methods
A course which introduces the fundamentals of each brass instrument (cornet/trumpet, horn, euphonium, trombone and tuba). The course is taught in a laboratory setting with hands-on training on actual instruments.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3182 Accompanying
This course is designed for keyboardists wishing to study the art of accompanying instrumental and vocal music. The necessary accompanying skills, techniques and artistry needed are addressed as well as developed. May be repeated for credit.

MUSI 3183 Voice Methods
A course which introduces the fundamentals of the vocal instrument: respiration, phonation, resonation, and articulation. The course is taught in a laboratory setting as students are observed and evaluated on their ability to diagnose and correct vocal faults and become acquainted with basic materials relevant to the voice.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3188 Percussion Methods
A course which introduces the fundamentals of standard percussion: snare drum, keyboard percussion, timpani, drum set, marching percussion, concert bass drum, cymbals and accessories. The course is taught in a laboratory setting with hands-on training on actual instruments in each of the areas.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3189 String Methods
A course which introduces the basic techniques of playing all string instruments.
Prerequisites: Must be a declared music major/minor with upper level standing or consent of instructor.

MUSI 3201 Score Arranging
In this course, students will learn and implement the principles of arranging music for a variety of instrumental ensembles. Students will study the basic elements of the range, transposition and timbre of each instrument and through analysis of musical examples learn to apply appropriate scoring techniques to arrange music for ensembles of varied size and instrumentation.
Prerequisites: MUSI 1302, and 2212 with a "C" or better.

MUSI 3213 Applied Music Instruction
Private instruction for students in the following instruments: bassoon, clarinet, contrabass, cornet, electric bass, euphonium, flute, classical guitar, harp, harpsichord, horn, oboe, organ percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, or voice. Seminar attendance may be required. May be repeated for credit in accordance with degree plan.
Prerequisites: Upper division standing, successful completion of at least two semester hours of MUAP 1213 or placement by audition; concurrent enrollment in an assigned University ensemble and MUAP 3010 for all music majors and minors.
MUSI 3235 Guitar Class
A course which introduces the fundamentals of playing guitar, including first position, notation reading and chordal accompaniment using free stroke, rest stroke and rasgueado techniques. The course is taught in a laboratory setting with hands-on training on actual instruments.
Prerequisites: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3253 Basic Conducting
Including beginning score study of some musical terms, this course is designed to give students basic baton technique and ensemble control.
Prerequisites: MUSI 1211 and MUSI 1212

MUSI 3254 Advanced Conducting
A continuation of MUSI 3253. It includes further study of score preparation and ensemble rehearsal technique.
Prerequisites: Completion of MUSI 3253 with a grade of "C" or better.

MUSI 3300 Music History I
A historical survey of musical styles and genres in Western culture with emphasis on major composers and compositions of the Medieval, Renaissance, and Baroque periods.
Prerequisites: successful completion of music theory sequence (MUSI 2211) or consent of instructor.

MUSI 3301 Music History II
A historical survey of musical styles and genres in Western culture with emphasis on major composers and compositions of the Classic, Romantic, and Contemporary periods.
Prerequisites: successful completion of music theory sequence (MUSI 2211) or consent of instructor.

MUSI 3307 The Operatic Tradition
An in-depth analysis of several major operas; Instructor's selection may vary at each offering. The course will concentrate on the literary as well as musical aspects of opera using multi-media presentations.
Prerequisites: MUSI 1307 or consent of instructor.

MUSI 3321 Art Song Literature I
The art song repertoire from the classical songs of Haydn and Mozart to the Romantic period.
Prerequisites: consent of instructor.

MUSI 3322 Art Song Literature II
The art song repertoire from the French mélodie to contemporary English and American art song.
Prerequisites: consent of instructor.

MUSI 3346 Form and Analysis
Studying musical elements and their function in various styles and forms.
Prerequisites: Completion of MUSI 2211 with a grade of "C" or better.

MUSI 3347 Counterpoint
Eighteen Century contrapuntal style studied through analysis and writing.
Prerequisites: Completion of MUSI 2211 with a grade of "C" or better.

MUSI 4101 Special Topics in Music Lit
Advanced studies in music literature. Topic will vary at each offering.
Offered every other year. May be repeated when topic changes.
Prerequisites: MUSI 3300 or 3301 or consent of instructor.

MUSI 4201 Special Topics in Music Lit
Advanced studies in music literature. Topic will vary at each offering.
Offered every other year. May be repeated when topics vary.
Prerequisites: MUSI 3300 or 3301 or consent of instructor.

MUSI 4233 Secondary Music
An overview of music education in secondary school settings. A supervised, comprehensive study of instructional and rehearsal techniques and planning for secondary music programs.
Prerequisites: MUSI 3133, successful completion of Piano Proficiency Exam, and Admission to the College of Education.

MUSI 4257 Choral Lit & Teach Tech
A study of the literature, materials, and management techniques required for choral ensembles in secondary schools.
Prerequisites: Must be a declared music major/minor with upper level standing, or consent of instructor.

MUSI 4260 Instrumental Lit & Teach Tech
A study of the literature, materials, and management techniques required for both wind (band) and string (orchestra) ensembles in secondary schools. This course will also address the marching band as an ensemble.
Prerequisites: Must be a declared music major/minor with upper level standing, or consent of instructor.

MUSI 4301 Special Topics in Music Lit
Advanced studies in music literature. Topic will vary at each offering.
Offered every other year. May be repeated when topic changes.
Prerequisites: MUSI 3300 or 3301 or consent of instructor.

MUSI 4350 Undergraduate Research
Individual projects to be completed under faculty supervision. The equivalent of three class hours a week for one semester. May be repeated for credit.
Prerequisites: Upper-division standing and consent of instructor and the department chair.

MUSI 4351 Special Topics in Music
A course adapted to the study of special topics in Music, for advanced students capable of developing a project independently through conference and activities directed by the instructor. Project is chosen by the student with the approval of the instructor prior to registration.
Course may be repeated, but not to exceed six semester hours in total.
The course credit will carry a 3-credit load.
Prerequisites: Permission of instructor.

MUSI 4693 Music Student Teaching
Candidates will model proficiency in evidence-based practices in learner-centered music classrooms consistent with current state and professional standards, as it related to classroom management, assessment, instruction and technology in diverse classrooms. This course includes a full semester of supervised field-based experience in a public school music classroom. Candidates will be supervised by music faculty and college of education faculty.
Prerequisites: Must be in good standing with the College of Education requirements, pass the certification TExES content exam, and successful completion of EDCI 3315 and EDCI 4310.
Corequisites: EDSE 4350.
Music Ensemble (MUEN)

MUEN 1120 Symphonic Wind Ensemble
This course is designed to provide experience in a symphonic Wind Ensemble literature. Students will be exposed to a wide range of concert literature. Wind Ensemble is open to all university students and community members who qualify by audition. Course fee: $30. Prerequisites: Consent of instructor.

MUEN 1130 Chorale
This course provides experience in large vocal ensemble while developing vocal techniques such as proper breath support, tone production, and sight reading. Problems of intonation are addressed through aural training methods. A broad range of literature is covered. Several performances are covered every semester. The chorale is open to all university students and community members who qualify by audition. May be repeated for credit. Course fee: $30. Prerequisites: Consent of instructor.

MUEN 1133 Guitar Ensemble
This course requires participation in a select group of guitarists and other instrumentalist sharing experience in reading and performing of guitar literature for small instrumental ensembles. Repertoires studied and performed include classical, flamenco, new age, and contemporary as well as selected works written for instruments of the lute and guitar family, including original compositions by student composer-arrangers. Open to all students with sight-reading ability. May be repeated for credit. Prerequisites: Consent of instructor.

MUEN 1140 Band
This course is designed to provide experience in a symphonic band while developing many aspects of musicianship. Students are exposed to a wide range of literature from Show Band to Symphonic Band genres. Several performances are presented every semester. The Band is open to all University students and community members who can qualify by audition. May be repeated for credit. Prerequisites: Consent of instructor.

MUEN 1143 TAMIU Orchestra
This course is designed to provide experience in an orchestra ensemble while developing many aspects of musicianship. Students are exposed to a wide range of literature from orchestral musical genres. Several performances are presented every semester. The TAMIU Orchestra is open to all University students and community members who can qualify by audition. May be repeated for credit. Prerequisites: Consent of instructor.

MUEN 1146 Jazz Ensemble
The course develops the student’s musical skills in the Jazz idiom, beginning at its roots and traveling thru the Big Band’s evolution to present day. At semester’s end, the student should have a clearer picture in the scope of improvisation, and the development of a personal Jazz sound. Sight-reading, doubling, and ensemble playing should also become a part of the student’s musical strengths. Course may be repeated for credit.

MUEN 1150 Chamber Music
This course provides experience in small instrumental ensembles of two or more. Students learn the art of close collaboration in assigned Duets, Trios, Quartets, etc. Weekly coaching. The equivalent of one lecture hour per week. May be repeated for credit. Prerequisite(s): Upper-division standing and two hours of lower-division applied music and/or ensemble, or consent of instructor.

MUEN 1160 Mariachi
In this course students learn the major repertoire of the Mexican Mariachi tradition. Multiple performances are presented every semester. Mariachi is open to all University students and community members who can qualify by audition. Must be taken in sequence. May be repeated for credit. Prerequisites: Consent of instructor.

MUEN 3130 Chorale
This course provides experience in large vocal ensemble while developing vocal techniques such as proper breath support, tone production, and sight reading. Problems of intonation are addressed through aural training methods. A broad range of literature is covered. Several performances are covered every semester. The chorale is open to all university students and community members who can qualify by audition. May be repeated for credit. Course fee: $30. Prerequisites: Consent of instructor.

MUEN 3133 Guitar Ensemble
This course requires participation in a select group of guitarists and other instrumentalist sharing experience in reading and performing of guitar literature for small instrumental ensembles. Repertoires studied and performed include classical, flamenco, new age, and contemporary as well as selected works written for instruments of the lute and guitar family, including original compositions by student composer-arrangers. Open to all students with sight-reading ability. May be repeated for credit. Prerequisites: Consent of instructor.

MUEN 3140 Band
This course is designed to provide experience in a symphonic band while developing many aspects of musicianship. Students are exposed to a wide range of literature from Show Band to Symphonic Band genres. Several performances are presented every semester. The Band is open to all University students and community members who can qualify by audition. May be repeated for credit. Prerequisites: Consent of instructor.

MUEN 3143 TAMIU Orchestra
This course is designed to provide experience in an orchestra ensemble while developing many aspects of musicianship. Students are exposed to a wide range of literature from orchestral musical genres. Several performances are presented every semester. The TAMIU Orchestra is open to all University students and community members who can qualify by audition. May be repeated for credit. Prerequisites: Consent of instructor.

MUEN 3146 Jazz Ensemble
This course develops the student’s musical skills in the Jazz idiom, beginning at its roots and traveling thru the Big Band’s evolution to present day. At semester’s end, the student should have a clearer picture in the scope of improvisation, and the development of a personal Jazz sound. Sight-reading, doubling, and ensemble playing should also become a part of the student’s musical strengths. Course may be repeated for credit.
MUEN 3150 Chamber Music
This course provides experience in small instrumental ensembles of two or more. Students learn the art of close collaboration in assigned Duets, Trios, Quartets, etc. Weekly coaching. The equivalent of one lecture hour per week. May be repeated for credit. Prerequisite(s): Upper-division standing and two hours of lower-division applied music and/or ensemble, or consent of instructor.

MUEN 3160 Mariachi
In this course students learn the major repertoire of the Mexican Mariachi tradition. Multiple performances are presented every semester. Mariachi is open to all University students and community members who can qualify by audition. Must be taken in sequence. May be repeated for credit.
Prerequisites: Consent of instructor.

Music Reading (MURD)

MURD 3320 Reading Methods & Materials
This course focuses on reading instruction in grades 4-12 for young musicians. Emphasis is on reading strategies and study skills for reading specialized music texts.
Prerequisites: Upper Division standing at the Department of Fine & Performing Arts and admission to the College of Education.

Natural Science (NSCI)

NSCI 3301 Current Topics in Science
A survey of the fields of life science, earth science, and physical science. For preparation of students seeking certification in education (K-8). Prerequisites: Junior standing and BIOL 1370/1170, EPSC 1370/1170, PHYS 1370/1170.

Nursing (NURS)

NURS 2320 Nutrition
This course covers the principles and application of evidence-based nutritional therapy throughout the life span for disease prevention and health promotion with integration of influencing variables of physiological, psychological, cultural, religious, and socioeconomic conditions. This course is 3 hours of theory per week.
Prerequisites: BIOL 2301/2101 or BIOL 1306/1106 and CHEM 1311/1111 or CHEM 1307/1107 or instructor permission.

NURS 2321 Pathophysiology
This course is a comprehensive study of underlying concepts common to the major pathophysiologic processes of the body. Emphasis is placed upon the concepts essential for understanding the evidence-based rationale for nursing interventions. This course is 3 hours of theory per week.
Prerequisites: BIOL 2301, BIOL 2101, BIOL 2302, BIOL 2102, and Chemistry (any 4 SCH hour with lab).

NURS 3310 Pharmacology
This course focuses on the concepts and principles of pharmacology. The nursing process as it relates to medication therapy is examined. This course is 3 hours of theory per week.
Prerequisites: Admission into the Nursing Program.
Corequisites: NURS 3410 and NURS 3613.

NURS 3311 Cult Determin of Hlth Behave - WIN
This course explores relationships between cultural phenomena and health behavior. Cultural forces that enhance or reduce the capacity of patients throughout the life span to maintain health are analyzed. This course is 3 hours of theory per week. May be taken during first three semesters while in the nursing program. This course is interchangeable with PHLT 3311.
Prerequisites: Admission into the Nursing Program.

NURS 3312 Global Nursing Health - WIN
The purpose of this course is to examine Global Health problems and challenges within the context of current realities. Looking at health and health care as a basic human right, students will explore health related concepts and trends within a global context. Geopolitical, immigration, socioeconomic conditions, and environmental factors will be analyzed in relation to health and health care delivery. Students will examine multinational corporate activities, the social and health consequences of armed conflict and rapid development, and the ways in which cultural and religious practices and beliefs may influence an individual's health or potential for recovery. This course is interchangeable with PHLT 3312.

NURS 3410 Health Assessment
The emphasis of this course is to instruct students on how to conduct a comprehensive health assessment. Knowledge from the biological sciences is used within the context of the nursing process to develop skills in systematic assessment of patients in all phases of the life cycle. This course is 3 hours of theory and 3 hours of laboratory per week. 42 hours total practicum are required in this course.
Prerequisites: Admission into the Nursing Program.
Corequisites: NURS 3310 and NURS 3613.

NURS 3411 Childbearing & Women's Hlth Nurs
This course focuses on clinical application of the nursing process in providing culturally competent care to women across the lifespan, neonates, and their families. Clinical experiences allow students the opportunity to synthesize evidence based practices when providing nursing care to these patients, with an emphasis on the childbirth family. This course is 2 hours of theory and 6 hours of practicum per week. 84 hours total practicum are required in this course.
Prerequisites: NURS 3310, NURS 3410, NURS 3412, NURS 3613, NURS 3614 and NURS 4310.
Corequisites: NURS 4410 and NURS 4614.

NURS 3412 Psych & Mental Hlth Nursing
This course focuses on providing culturally competent nursing care for individuals, families and groups experiencing alterations in mental health status. Diverse practice settings are used to develop student competence in therapeutic communication, group process and the counselor role. This course is 2 hours of theory and 6 hours of clinical per week; 84 hours total practicum are required in this course.
Prerequisites: NURS 3310, NURS 3410, and NURS 3613.
Corequisites: NURS 3614 and NURS 4310.
NURS 3613 Basic Nursing
This course introduces students to the basic foundations of the science and art of nursing. Clinical experiences will allow students to provide patient centered, culturally competent, evidence based nursing care focused on quality and safety, and incorporating health promotion, illness prevention, and health restoration. This course is 3 hours of theory and 9 hours of practicum per week. 126 hours total practicum are required in this course.
Prerequisites: Admission into the Nursing Program.
Corequisites: NURS3410 and NURS 3310.

NURS 3614 Adult Health Nursing I
This course provides an introduction to culturally competent nursing care for adult patients experiencing stable illnesses. Clinical decision making utilizing the nursing process, evidence based research applications, and professionalism in diverse practice settings are introduced. This course is 3 hours of theory and 9 hours practicum per week. 126 total clinical hours are required for this course.
Prerequisites: NURS 3310, NURS 3410, and NURS 3613.
Corequisites: NURS 3412 and NURS 4310.

NURS 4199 Current Topics
An in-depth focus upon current issues impacting the profession of nursing and/or the health of society. May be repeated when topic changes. Open to all students with permission of instructor. To earn credit, this course must be completed with a grade of “C” or better.

NURS 4299 Current Topics
An in-depth course focusing upon current issues impacting global health and the profession of nursing. Open to all RN/BSN students. To earn credit, this course must be completed with a grade of “C” or better.
Prerequisites: Permission of instructor.

NURS 4310 Nursing Research - WIN
This course focuses on the introductory use of the research process in the development of nursing knowledge and practice. The student will critically appraise research studies and determine their value in improving client outcomes across the lifespan. The steps of the research process will be explored. This course is 3 hours of theory per week.
Prerequisites: NURS 3310, NURS 3410, and NURS 3613.
Corequisites: NURS 3412 and NURS 3614

NURS 4399 Current Topics
An in-depth focus upon current issues impacting the profession of nursing and/or the health of society. May be repeated when topic changes. Open to all students with permission of instructor. To earn credit, this course must be completed with a grade of “C” or better.

NURS 4410 Child Health Nursing
This course focuses on clinical application of the nursing process in providing culturally competent care to infants, children, adolescents, and their families. Students will utilize growth and development theories in order to provide evidence based nursing care across the pediatric phase of life. This course is 2 hours of theory and 6 hours of practicum per week. 84 hours total practicum are required in this course.
Prerequisites: NURS 3310, NURS 3410, NURS 3412, NURS 3613, NURS 3614, and NURS 4310.
Corequisites: NURS 3411 and NURS 4614

NURS 4411 Community Nursing
This course emphasizes the development of epidemiological principles which provide the framework for conducting community assessments. Students will collaborate with community groups to assess their health care status and the resources (folk and traditional) available in order to address its expressed needs. This course is 2 hours of theory and 6 hours of clinical per week; 84 hours total practicum are required in this course.
Prerequisites: NURS 3311, NURS 3613, NURS 3410, NURS 3310, NURS 3614, NURS 3411, NURS 3412, NURS 4614, NURS 4410, and NURS 4310.
Corequisites: NURS 4613 and NURS 4412

NURS 4412 Capstone
This course provides the student the ability to synthesize and apply the knowledge and skills acquired in this academic program to actual nursing problems. The student will demonstrate effective clinical decision making related to nursing practice in order to provide culturally competent and evidence based nursing practice. This course is 2 hours of theory and 6 hours of practicum per week. 84 hours total practicum are required in this course.
Prerequisites: NURS 3613, NURS 3410, NURS 3310, NURS 3614, NURS 3411, NURS 3412, NURS 4614, NURS 4410, and NURS 4310.
Corequisites: NURS 4613 and NURS 4411

NURS 4499 Current Topics
An in-depth focus upon current issues impacting the profession of nursing and/or the health of society. May be repeated when topic changes. Open to all students with permission of instructor. To earn credit, this course must be completed with a grade of “C” or better.

NURS 4599 Current Topics
An in-depth focus upon current issues impacting the profession of nursing and/or the health of society. May be repeated when topic changes. Open to all students with permission of instructor. To earn credit, this course must be completed with a grade of “C” or better.

NURS 4613 Nursing Leadership & Management
This course provides an introduction to the theory and practice of nursing leadership and management which emphasizes the role of nurse leader in professional nursing practice. Key concepts will include critical thinking, effective communication, ethical and legal issues, handling conflict, successful delegation, controlling resources, improving quality and safety, and leading change. This course is 3 hours of theory and 9 hours of practicum per week. 126 hours total practicum are required in this course.
Prerequisites: NURS 3613, NURS 3410, NURS 3310, NURS 3614, NURS 3411, NURS 3412, NURS 4614, NURS 4410, and NURS 4310.
Corequisites: NURS 4411 and NURS 4412

NURS 4614 Adult Health Nursing II
This course provides an expanded knowledge of culturally competent nursing care for adult patients experiencing multi-system and/or complex illnesses. Students will expand their clinical decision making utilizing the nursing process, evidence based research applications, and professionalism in diverse practice settings. This course is 3 hours theory and 9 hours practicum per week. 126 total clinical hours are required for this course.
Prerequisites: NURS 3310, NURS 3410, NURS 3412, NURS 3613, NURS 3614, and NURS 4310.
Corequisites: NURS 3411 and NURS 4410.
NURS 4699 Current Topics
An in-depth focus upon current issues impacting the profession of nursing and/or the health of society. May be repeated when topic changes. Open to all students with permission of instructor. To earn credit, this course must be completed with a grade of “C” or better.

NURS 4799 Current Topics
An in-depth focus upon current issues impacting the profession of nursing and/or the health of society. May be repeated when topic changes. Open to all students with permission of instructor. To earn credit, this course must be completed with a grade of “C” or better.

NURS 5211 Diagnostic Laboratory
This one credit hour clinical course is composed of theory, diagnostic procedures, invasive treatments and protocols designed for the advanced practice nurse. The students will acquire both noninvasive skills and invasive skills in the clinical management of acute and chronically ill clients. Student progress will be evaluated through examinations, papers, class participation, seminars and clinical practice.

NURS 5230 Advanced Pathophysiology I
This course is part I of a comprehensive study of the pathophysiologic basis of disease as it affects human beings across the life cycle. Emphasis is placed upon endogenous and exogenous environmental factors that contribute to altered functional balance. The focus is on the cardiovascular, immune, neurologic and renal systems related to mechanisms of disease and specific mechanisms that cause abnormalities resulting in dysfunction. Disease states commonly encountered and managed in primary care settings are emphasized.
Prerequisites: NURS5230 or permission of faculty.

NURS 5231 Advanced Pathophysiology II
This course is part II of a comprehensive study of the pathophysiologic basis of disease as it affects human beings across the life cycle. Emphasis is placed upon endogenous and exogenous environmental factors that contribute to altered functional balance. The focus is on the cardiovascular, immune, neurologic and renal systems related to mechanisms of disease that cause abnormalities resulting in dysfunction. Disease states commonly encountered and managed in primary care settings are emphasized.
Prerequisites: NURS 5230

NURS 5232 Advanced Pharmacology I
This is part I of a course focused on clinical pharmacology and pharmacotherapeutics with emphasis on major drug classes related to the cardiovascular, immune, neurologic and renal systems. Special emphasis is placed on drugs and drug classes used to treat problems commonly encountered in primary care. Co#requisite: NURS 5230
Prerequisites: NURS 5230 or permission of faculty.

NURS 5233 Advanced Pharmacology II
This is part II of a course focused on clinical pharmacology and pharmacotherapeutics with emphasis on major drug classes related to the endocrine, gastrointestinal, hematologic, hepatobiliary, lymphatic, reproductive and respiratory systems. Special emphasis is placed on drugs and drug classes used to treat problems commonly encountered in primary care. Co#requisites: NURS 5231.
Prerequisites: NURS 5232.

NURS 5301 Theoretical Foundations Nurs
The focus of this course is on the exploration of selected theories and conceptual frameworks, and their relationship to nursing practice and research. Emphasis is on the utilization of theories and models in nursing as a basis for a practice to provide a caring, comprehensive, and holistic approach to health care within a multicultural society.

NURS 5302 Research Methods/Design in Nur
This course focuses on the study of a variety of designs and methods of the research process to prepare students to be proficient in the evaluation and utilization of research within the clinical practice setting. Students will have the opportunity to critically examine reported research to determine the utilization of scientific knowledge in order to provide high quality nursing health care, initiate change, and improve patient outcomes. Legal and ethical issues related to research health care are explored and discussed. The interrelationships of theory, research and practice that serve as the basis for clinical and organization decision-making are analyzed.

NURS 5303 Advanced Pathophysiology
This course is a comprehensive study of underlying concepts common to the major pathophysiologic processes of the body. The focus of this course is on the interaction of age, life style, culture, gender differences, and intrinsic and extrinsic environmental factors on the dynamic aspects of physiologic mechanisms altered by disease in the human organism. Emphasis is on the pathophysiological concepts essential for understanding the rationale for preventive and therapeutic treatment/ intervention.

NURS 5304 Advanced Practice Role
This course explores the advanced practice roles of teacher, change agent, researcher, advocate, clinician, consultant, collaborator, and manager of systems. The historical development and acceptance of the nurse practitioner and other advanced practice roles are traced through nursing practice acts, requirements imposed by state nursing boards, national certification efforts, third party payment systems, and various professional organizations. Selected issues such as the scope of practice, political, economic, and legislative influences are analyzed.

NURS 5305 Advanced Pharmacotherapeutics
This course covers the essentials of clinical pharmacological therapeutics for advanced practice nursing. Drugs of choice and alternatives for selected disease management, illness prevention and health maintenance will be discussed based on patient/client s age, life style, culture, expected outcomes, protocol utilization, cost and other health conditions.

NURS 5310 Div & Soci Iss in Hlth Care
This course focuses on global awareness that is necessary to provide culturally sensitive care. The inclusion of this content helps students to develop an understanding and appreciation of human diversity in health and illness and to assure the delivery of appropriate or individualized health care. Students evaluate and appropriately address social issues that affect health outcomes.

NURS 5320 Theo Influ,Prac,Rsrch&Adv Role
The focus of this course is on the exploration of selected theories and conceptual frameworks, and their relationship to nursing practice and research. Emphasis is on the utilization of theories and models in nursing as a basis for practice to provide a caring, comprehensive, and holistic approach to health care delivery within a multicultural society.
Prerequisites: Admission to the MSN program or permission of faculty.
NURS 5321 Research Methods & Stat Analysis
This course focuses on the study of research design and methods to prepare students to be proficient in the evaluation and utilization of evidence-based practice within the clinical practice setting. Students will critically examine research to determine the utilization of scientific knowledge in order to provide high quality nursing health care, initiate change, and improve patient outcomes. Implementation science will be examined.
Prerequisites: Admission to the MSN program or permission of faculty.

NURS 5322 Healthcare Informatics
This course focuses on current informational technology strategies related to the management of individuals, groups, and organizations. Students will examine the implementation and use of nursing informatics, and the role of informatics in evidence-based practice.
Prerequisites: NURS 5320.

NURS 5323 Healthcare Policy & Social Justice
This course focuses on health care policy and cultural as well as ethical issues in patient care. The goal is to create leaders who provide culturally competent care and contribute to the development of policies to reduce health care disparities.
Prerequisites: Admission to the MSN program or permission of faculty.

NURS 5330 Adv Health Assessment Theory
This course focuses on the integration of advanced knowledge and skills of health assessment and diagnostic evaluation. Emphasis is on a holistic approach to individuals across the life span. Evidence-based concepts related to health promotion and disease prevention are presented. Critical thinking and diagnostic reasoning skills are developed.
Objectives of 2020 along with concepts including family systems, developmental theories, cultural considerations, environmental factors, and spiritual influences and learning styles are explored. Co-requisites: NURS 5331.
Prerequisites: Admission to MSN program or permission of faculty.

NURS 5331 Adv Health Assessment Pract
This course focuses on a systems approach to health issues that present in the primary care setting with emphasis on assessment, screening, physical exam and differential diagnosis. Students will concentrate on history taking, physical examination, diagnostic reasoning and assessment. Clinical experiences will enable students to develop clinical reasoning skills that are necessary to perform comprehensive physical examination and develop a differential and final diagnosis in the primary care setting. 135 hours of practicum is required. This course is graded pass/fail.
Corequisites: NURS 5330.

NURS 5332 Prim Care Adults, Geriatric & Fam
This course focuses on the theoretical and clinical foundation of advanced practice management of health care problems common to adult and older adults including the frail elderly, individuals and their families. The student will be introduced to the role of nurse practitioner in the primary care management of individuals and families of adult clients. Emphasis is on the application of assessment, wellness and health promotion practices in the comprehensive management and implementation of evidence-based practice in the primary care setting. Population based health disparities and their impact on the health of individuals and families will be explored. Pre or Co-requisites: NURS 5231, 5233. Co-requisite: 5333.
Prerequisites: NURS 5232, 5331.

NURS 5333 Prim Care Adult, Geriatric & Fam Pract
This clinical practicum course prepares the NP student to assess, diagnose, monitor, treat and coordinate care of adult individuals and their families who present with common acute, episodic, and chronic conditions in the primary care setting. Population based health disparities and their impact on the health of the individual and their family will be explored. There is 135 hours of practicum required. This course is graded pass/fail. Pre or Co-requisites: NURS 5231 and 5233. Co-requisites: NURS 5332
Prerequisites: NURS 5230 and 5322.

NURS 5334 Diag Reason & Clin Proced
This course presents the student with selected clinical diagnostic laboratory, imaging tests and with selected procedures practiced by advanced nurse practitioner in the primary care setting. Clinical decision-making for appropriate tests or procedures, and interpretation of diagnostic test results is addressed. Laboratory, simulation and practicum experiences will facilitate learning of procedures such as suturing, EKG interpretation, dermatologic procedures and radiology. There course is a one credit theory and two credit or 90 hours of practicum required.
Prerequisites: NURS 5332, NURS 5333.

NURS 5335 Primary Care of Peds & Families
This course focuses on the role of the advance practice nurse in the management and care of newborns, children, and adolescents in the primary care setting. The emphasis is on the theoretical and practice foundation necessary to manage the pediatric population in a primary care setting. The importance of health promotion, disease prevention, and appropriate screenings as well as the diagnosis and management of common conditions that present in the pediatric/adolescent is stressed. Students will be prepared to function in a team-based, interprofessional collaborative environment that integrates the biomedical, and psychosocial model of patient-centered care.
Prerequisites: NURS 5332 and 5333

NURS 5336 Prim Care of Ped & Fam Pract
This course emphasizes the integration and application of theory, health promotion, and disease prevention and provides clinical experiences in ambulatory pediatric primary health care settings. Students will perform comprehensive and appropriate clinical assessments, including appropriate developmental screening, diagnostic testing and therapeutic interventions in order to promote health in the pediatric care setting. This course requires 135 hours of practicum. This course is graded pass/fail.
Prerequisites: NURS 5332, NURS 5333.
Corequisites: NURS 5335.

NURS 5337 Prim Care Adult & Women's Health
This course focuses on the theoretical and clinical foundation of advanced practice management of health care problems common to adult individuals and women. Consistent with the emerging definitions of women's health and women's health practice, this course examines a full range of health issues unique to women including societal and political determinants of health, health promotion and patient education. Emphasis is on integration and application of theory, health promotion, disease prevention, diagnostic process and clinical decision making to adult and women's health issues in the primary care setting. Co-requisite: NURS 5430
Prerequisites: NURS 5332, 5333, 5335, 5336, 5334.
NURS 5340 Organizational Behavior
This course focuses on the application of organizational behavior theories in the health care setting. The integration of evidence-based practice to improve outcomes is emphasized. Methods for analyzing organizational systems are evaluated.

NURS 5341 Transformational Leadership
This course focuses on the analysis, synthesis and application of management science to address current and emerging change and transition in health care systems. Leadership styles for quality/cost management, with a focus on transformational leadership, will be examined.
Prerequisites: NURS 5320.

NURS 5342 Health Quality Outcomes
This course focuses on leadership’s role in the monitoring and measuring of quality outcomes for the consumer (patient) and organization. Students will examine tools for evaluating operations and care delivery systems, and performance management in diverse workforces and organizational cultures.
Prerequisites: NURS 5320, Pre#Co#requisite: NURS 5321.

NURS 5343 Finance for the Nurse Exec
This course focuses on the fiscal environment faced by the nurse executive and clinical manager in health care systems. Application and analysis of financial principles used in planning, budgeting, control, risk analysis, and decision-making in health care programs are examined.
Prerequisites: NURS 5320.
Prerequisites: NURS 5320.

NURS 5344 Population Health
This course addresses the study of health and illness trajectories in global health systems along with frameworks designed to address these issues. Methods of predicting utilization are addressed. Topics include emerging health issues, wellness promotion and disease prevention, health education and behavior medication, and disaster preparedness.
Prerequisites: NURS 5320.

NURS 5346 Advanced Health Assessment
This course explores the method of collecting a comprehensive data base, including complete functional assessment, health history, and physical examination for patients/clients of all ages and in all phases of individual and family life style. Students will learn key symptom-focused physical exams. Communication of findings maintaining privacy and terseness and meeting legal standards of documentation are emphasized. Students will begin formulating differential diagnosis after interpreting the collected data. The clinical portion offers the opportunity to perform and interpret assessments on patients.

NURS 5407 FNP I: Wellness&Hlth Promo
This course is designed to develop theoretical and clinical competencies of the FNP in health promotion of individuals and families in diverse populations in a variety of settings. The focus of the course is on concepts and skills of health promotion, disease prevention, and health maintenance. The emphasis is on: 1) developing advanced practice skills in comprehensive assessment and management strategies that reflect current nursing and medical knowledge to improve patient/client outcomes; and 2) evidence-based research and theory in the promotion of health and prevention of disease across the life span, in the context of healthy communities.

NURS 5430 Inte#grated Family Practicum
This course emphasizes the full integration of clinical practice management across the life span and builds on knowledge and skills acquired throughout the course of study. Emphasis is on the acquisition of clinical competence in the care and management of individuals (infant, child, adolescent, adult, elder and frail elderly) with episodic, acute and chronic conditions, both simple and complex. 180 hours of practicum is required with 90 of the hours in OB/GYN. This course is graded pass/fail.
Prerequisites: NURS 5332, NURS 5333, NURS 5334, NURS 5335, NURS 5336.

NURS 5440 Nurse Exec Integ Ldrship Pract
This is a 180-hour practicum course focused on observation and implementation of administrative principles and competencies covered. The preceptor, faculty, and student identify areas of focus for the practicum based on these principles. Students design practice objectives with their preceptor and faculty. Students complete an administrative collaborative health project.
Prerequisites: All NADM courses in Summer and Fall, Co#requisite: NURS 5341.

NURS 5509 FNP III:Mgt Acute&Chr Ill II
This course builds on the advanced knowledge and skills acquired in FNP I and II. The focus is on developing advanced practice skills in the management of individuals with acute and chronic disorders of selected body systems. Emphasis is on addressing care of unstable and complex health care problems through synthesis and prioritization of historical and immediately derived data. Students critically evaluate clinical guidelines for prevention as well as treatment, and participate in the delivery of care to individuals and families from varying cultures with an emphasis on the financial aspects of primary care.

NURS 5509 FNP II:Mgt Acute&Chr Ill II
This course builds on the advanced knowledge and skills acquired in FNP I and II. The focus is on developing advanced practice skills in the management of individuals with acute and chronic disorders of selected body systems. Emphasis is on addressing care of unstable and complex health care problems through synthesis and prioritization of historical and immediately derived data. Students critically evaluate clinical guidelines for prevention as well as treatment, and participate in the delivery of care to individuals and families from varying cultures with an emphasis on the financial aspects of primary care.

NURS 5561 FNP IV:Integ Clin Pract
This capstone course builds on advanced knowledge and concepts from FNP I, II, III and the practicum for each course. The emphasis is on continued study of assessment and clinical management of selected health problems frequently seen in primary health care. The clinical portion provides for the development of clinical competence as the student integrates previously acquired knowledge into the enactment of the multiple roles of the nurse practitioner, and allows for a greater degree of interdependent practice based on the student’s abilities and progress. The student works with one or more preceptors in multicultural urban and rural communities.
Nursing Administration (NADM)

NADM 5301 The Foundns for Adv Prac Nurs
The focus of this course is on the exploration of selected theories and conceptual frameworks, and their relationship to nursing practice and research. Emphasis is on the utilization of theories and models in nursing as a basis for practice to provide a caring, comprehensive, and holistic approach to health care delivery within a multicultural society. Cross-listed with NFNP 5301.
Prerequisites: Admission to the MSN program or permission of faculty.

NADM 5302 Research Meth/Design in Nurs
This course focuses on the study of a variety of designs and methods of the research process to prepare students to be proficient in the evaluation and utilization of research within the clinical practice setting. Students will have the opportunity to critically examine reported research to determine the utilization of scientific knowledge in order to provide high quality nursing health care, initiate change, and improve patient outcomes. Legal and ethical issues related to research in health care are explored and discussed. The interrelationships of theory, research and practice that serve as the basis for clinical and organizational decision-making are analyzed using informatics and statistical principles. Cross-listed with NFNP 5302.
Prerequisites: Admission to the MSN program.

NADM 5304 Advanced Practice Role
This course explores the advanced practice roles of educator, change agent, researcher, advocate, clinician, consultant, collaborator, and manager of systems. The historical development and acceptance of the nurse practitioner and other advanced practice roles are traced through nursing practice acts, requirements imposed by state nursing boards, national certification efforts, third party payment systems, and various professional organizations. Selected issues such as the scope of practice and political, economic, and legislative influences are analyzed. Cross-listed with NFNP 5304.
Prerequisites: NADM 5301 and NADM 5302.

NADM 5310 Div&Social Iss in Health Care
This course explores health care policy and financial, cultural, and ethical issues in patient care. The goal is to create leaders who provide culturally competent care and contribute to the development of policies to reduce health disparities. Cross-listed with NFNP 5310.
Prerequisites: NADM 5302.

NADM 5313 Health Care Financial Mgt
This course focuses on the fiscal environment faced by the nurse executive and clinical manager in complex adaptive health systems. Application with analysis of management and finance principles used in planning, control, budgeting, risk analysis and decision-making in the development of health care programs, budget formation and organizational financial evaluation given constancy of change in the health care environment is required. Correct use of financial terminology and concepts, financial management and cost accounting, and federal, state, and private insurance rules and regulations as they apply to health services is required from nurse managers and executives. Analysis of financial management constructs given reimbursement systems mandating measurable individual (patient) and organizational outcomes, care quality, and cost containment is primary.

NADM 5314 Health Care Law and Ethics
Current legal and ethical issues related to the nurse executive in complex systems are studied. The course is structured to present theories of ethical practice and law related to health care delivery. Issues related to disclosure and confidentiality, provider relationships, exclusive contracts, restrictive covenants, and social issues such as the provision of uncompensated care, are examined. Federal, State, Labor, Natural, and Health Care law with associated ethical rights, responsibilities, and obligations of the practicing nurse in a complex and changing health environment are examined. Learners will develop a framework for working through increasingly complex legal and ethical issues that affect all members of the health team. This framework and broadened perspective will help practitioners recognize and respond to dilemmas and risks within diverse health care settings and provider roles. An overview of regulatory action associated with ethical considerations of the legislative and judicial processes will enable learners to become familiar with changes affecting the health care system.

NADM 5318 Capstone Seminar
Three semester hours theory. This course focuses on exploration of theory through participation, research, and observation of organizational functioning and nursing leadership. Students co-design practicum objectives for placement with a nursing administrator preceptor in a clinical setting with a specific focus on meeting AONE competencies and ANA standard in the roles of Entrepreneur, Educator, and Organizational planner/implementer. In each of the three seminar and practical foci emphasis begins with organizational and departmental structure and includes responsibility for a program or project agreed upon by the student, preceptor, and faculty. This course includes twelve seminars and symposia that may be held in the clinical or classroom setting for the remaining weeks in the semester. Students explore options for collaborative health projects to complete in the practicum that follows to enhance nursing engagement and leadership in the global community.
Prerequisites: NADM 5417 and co-requisite NADM 5319.

NADM 5319 Capstone Clinical
In this course the student implements administrative principles corresponding with CCNE Master Essentials, ANA Scope and Standards of Nursing Administrative Practice and AONE competencies for Nurse Executives. The student’s practicum will be divided into three sections taking place in settings other than their work environment or previous environments. Preceptor, faculty and student identify areas of focus for the practicum using ANA standards of administrative practice and AONE competencies. The preceptee utilizes evidence-based research findings as appropriate for the precepted area and creates a working synthesis of the precepted experience that is appropriate for publication in a peer reviewed journal.
Prerequisites: NADM 5417 and co-requisite NADM 5318.
NADM 5415 Nurs Leader in Complex Health
This is the foundational course for nursing management within spheres of influence (unit based or service-line-based authority and organization wide authority) where nursing administrators function. Students examine organizational theory, management theory and their applications to nursing administrative leadership issues. Evidence based management and promotion of a culture of safety is approached as a basis for health related organizational development. Conceptualization of practice, emotional intelligence, ethical leadership, collaborative decision making, organizational structure and analysis, human resource management, and strategic planning, are topics covered in this introductory course. Simulation will be used in the course.
Prerequisites: NADM 5313 and NADM 5314.

NADM 5416 Informatics
Current informational technology strategies related to the management of individuals, groups, and organizations are applied to tasks of the nurse manager/executive. Becoming knowledgeable of and competent in the use of specific resources for patient safety and care administration, teaching, maintaining currency in practice, communication, budgeting, staffing, forecasting, evaluating, and collaboration is expected. The student will develop skills in using a variety of software applications as assignments are completed and role modeling from the faculty is experienced.
Prerequisites: NADM 5415.

NADM 5417 Hlth Care Quality&Outcome Mgt
This course builds on NADM 5416 and previous NADM courses. Topics for classroom and clinical come from previous NADM course concepts and those new to this course. They include but are not limited to monitoring and measuring quality outcomes for consumer (patient) and organization, tools for evaluating operations and care delivery systems, performance management, transformational leadership, and diverse workforces and organizational cultures. Focus will be on executive functions of the nurse manager. Analysis, synthesis and application of management science to address current and emerging change and transition in health care systems is expected. Leadership styles for quality/cost management, with a focus on transformational leadership, will be explored and experienced. Organizational theories will continue to be foundational to course work. Simulation will be used.
Prerequisites: NADM 5416.

NURSING RN/BSN (NURN)

NURN 2301 Pathophysiology
This course is a comprehensive study of underlying concepts common to the major pathophysiologic processes of the body. Emphasis is placed upon the concepts essential for understanding the evidence-based rationale for nursing interventions. This course is 3 hours of theory per week. Must be taken in the semester before applying to the nursing program.
Prerequisites: BIOL 2301, BIOL 2101, BIOL 2302, and BIOL 2102.

NURN 3311 Cult Determ of Hlth Behave-WIN
This course explores relationships between cultural phenomena and health behavior. Cultural forces that enhance or reduce the capacity of patients throughout the life span to maintain health are analyzed. This course is 3 hours of theory per week. May be taken during first three semesters while in the nursing program.
Prerequisites: Admission into the RN/BSN Program.

NURN 3312 Global Nursing Health-WIN
The purpose of this course is to examine Global Health problems and challenges within the context of current realities. Looking at health and health care as a basic human right, students will explore health related concepts and trends within a global context. Geopolitical, immigration, socioeconomic conditions, and environmental factors will be analyzed in relation to health and health care delivery. Students will examine multinational corporate activities, the social and health consequences of armed conflict and rapid development, and the ways in which cultural and religious practices and beliefs may influence an individual's health or potential for recovery.
Prerequisites: Admission into the RN/BSN Program.

NURN 3313 Transition to Prof Nursing
This course introduces the student to professional nursing practice as a learned and complex therapeutic process through which the nurse engages with a variety of patients for the purpose of meeting health needs. Baccalaureate level nursing care is examined within nursing philosophical and theoretical contexts.
Prerequisites: Admission into the RN/BSN program.

NURN 3314 Transition to Prof Nursing CLN
This clinical course provides students the opportunity to apply critical thinking and complex therapeutic processes to a variety of patients for the purpose of meeting the patient’s health care needs. This course builds upon the theoretical contexts of Baccalaureate level nursing care introduced in NURN 3313. This course requires 42 clock hours of clinical practicum. This course is graded Pass/Fail.
Prerequisites: Admission into the RN/BSN program and NURN 3313.

NURN 3320 The History of Nursing
This course is designed to introduce students to historical figures and trends in nursing that influence nursing care today. The impact of the nursing profession on healthcare throughout history is highlighted.
Prerequisites: Admission into the RN/BSN Program.

NURN 3410 Health Assessment
The emphasis of this course is to instruct students on how to conduct a comprehensive health assessment. Knowledge from the biological sciences is used within the context of the nursing process to develop skills in systematic assessment of patients in all phases of the life cycle. This course is 3 hours of theory. 14 hours total practicum are required in this course.
Prerequisites: Admission into the RN/BSN Program.

NURN 4310 Nursing Research-WIN
This course focuses on the introductory use of the research process in the development of nursing knowledge and practice. The student will critically appraise research studies and determine their value in improving client outcomes across the lifespan. The steps of the research process will be explored. This course is 3 hours of theory per week.
Prerequisites: Admission into the RN/BSN Program and MATH 1342.

NURN 4313 Nursing Leadership&Managemen
This course provides an introduction to the theory of nursing leadership and management and emphasizes the role of nurse leader in professional nursing practice. Key concepts will include critical thinking, effective communication, ethical and legal issues, handling conflict, successful delegation, controlling resources, improving quality and safety, and leading change. Course must be taken in the final semester of the nursing curriculum.
NURN 4314 Nurs Leadership&Management CLN
This course provides students the opportunity to apply the theories of nursing leadership and management in the practice setting. Emphasis will be placed on the role of the nurse as a leader, building on the concepts learned in NURN 4313. Students are expected to utilize concepts of critical thinking, effective communication, ethical and legal principles, conflict management, delegation, resource management, quality, safety, and change theory within the practice setting. This practicum course requires 42 total clock hours. This course will be graded as Pass/Fail. Prerequisites: Must be taken in the final semester of the nursing curriculum after NURN 4313.

NURN 4411 Community Nursing
This course emphasizes the development of epidemiological principles which provide the framework for conducting community assessments. Students will collaborate with community groups to assess their health care status and the resources (folk and traditional) available in order to address its expressed needs. This course is 2 hours of theory; 28 hours total practicum are required in this course. Prerequisites: Admission into the RN/BSN Program.

**Petroleum Engineering (PETE)**

PETE 3101 Drilling Engineering I Lab
Preparation, testing and control of rotary drilling fluid systems. API recommended diagnostic testing of drilling fluids for measuring the physical properties of drilling fluids, cements and additives. A laboratory study of the functions and applications of drilling and well completion fluids. Learning the rig floor simulator for drilling operations that virtually resembles the drilling and well control exercises. Corequisites: PETE 3301

PETE 3110 Res Rock & Fluid Propert Lab
Experimental study of oil reservoir rocks and fluids and their interrelation applied to petroleum reservoir engineering. Corequisites: PETE 3310

PETE 3111 Formation Evaluation Lab
Observation of well logging tools and recording devices; Laboratory investigation of core analysis (routine core, special core, and thin section) for different formations. Interpretation of borehole surveys to determine formation character, fluid content, and production potential. Measurement of electrical, radioactive, acoustic, magnetic properties of rocks and fluids; The spontaneous potential log, gamma-ray log, porosity logs, nuclear magnetic resonance (NMR) log, and caliper log. Formation evaluation field-case studies using commercial software on different types of formations by interpretation of resistivity logs, spontaneous potential log, gamma-ray log, porosity logs, nuclear magnetic resonance (NMR) log, and caliper log. Corequisites: PETE 3311

PETE 3120 Petroleum Production Eng I Lab

PETE 3300 Petroleum Economics
Principles of engineering economics including economic equivalence, time value of money, analysis of single and multiple investments, comparison of alternatives; public sector analysis and break-even concept; estimation of oil and gas reserves and their uncertainty including tangible and intangible investment costs, depreciation, economic analysis of producing wells, income tax consideration; probabilistic determination of different prospects; petroleum project economics, risk and uncertainty analysis, property evaluation and management; economic factors affecting petroleum production and investment opportunities. Prerequisites: MATH 2414

PETE 3301 Drilling Engineering I
Introduction to petroleum drilling systems, including fundamental petroleum engineering concepts, quantities and unit systems, drilling rig components, drilling fluids, pressure loss calculations, casing, well cementing, and directional drilling. Prerequisites: ENGR 2380, ENGR 2390, and GEOL 3320. Corequisites: PETE 3101.

PETE 3307 Reservoir Engineering I
Fundamental properties of reservoir formations and fluids including reservoir volumetric, reservoir statics and dynamics. Analysis of Darcy's law and the mechanics of single and multiphase fluid flow through reservoir rock, capillary phenomena, material balance, and reservoir drive mechanisms. Prerequisites: PETE 3310 and PETE 3311

PETE 3310 Res Rock & Fluid Properties
Introduction to basic reservoir rock and fluid properties and the interaction between rocks and fluids in a reservoir. The course is divided into three sections: rock properties, rock and fluid properties (interaction between rock and fluids), and fluid properties. The rock properties introduce the concepts of, Lithology of Reservoirs, Porosity and Permeability of Rocks, Darcy's Law, and Distribution of Rock Properties. While the Rock and Fluid Properties Section covers the concepts of, Existence of Multi-phases, Saturation, Wettability, Capillary Pressure, Effective and Relative Permeability. Furthermore, the Fluid properties topics include Phase Behavior of Single and Multi-Component Systems, Compositional and Black-Oil models, Solution Gas-Oil Ratios, Formation Volume Factor, Compressibility, Density, Viscosity, and Interfacial Tension. Prerequisites: ENGR 2380 and GEOL 3320. Corequisites: PETE 3110
PETE 3311 Formation Evaluation
This course covers topics on methods of how to measure and interpret the physical and chemical properties of formation through the well logging tools. Fundamental principles of the use of borehole surveys to evaluate the formation characteristics and fluid contents of porous strata; well-log interpretation for formation evaluation of hydrocarbon-bearing reservoirs; basic rock physics principles; theory of tool operation; analysis of open-hole logs and core measurements to estimate hydrocarbon reserves and petrophysical properties of the formation such as porosity, net pay thickness, water/hydrocarbon saturation, permeability, and saturation-dependent capillary pressure; formation evaluation of clay-free and shaly-sand formations as well as basic introduction to formation evaluation of organic-shale formations. Measurement principles, test types, and application of wireline Formation Testing, Production logging; Core analysis techniques; Integration of core analysis; Well logging results for reservoir modeling.
Prerequisites: PHYS 2326, ENGR 2390, and GEOL 3320.
Corequisites: PETE 3111.

PETE 3320 Petroleum Production Eng I
Introduction to production operations, production systems, and oil field equipment; inflow performance analysis, effect of formation damage on well flow, nodal systems analysis; perforating techniques and their effect on inflow; and stimulation treatments to enhance well performance; production problems; Well stimulation design and workover and recompletion analysis. Design of surface separation and treating facilities.
Prerequisites: PETE 3307 and PETE 3310.
Corequisites: PETE 3120

PETE 3340 Geophysics for Petro Engineers
The fundamentals of geophysics are given to petroleum engineering students, with special emphasis on 2-D and 3-D seismic. Application of seismic to oil and gas exploration problems.
Prerequisites: ENGR 2380 and GEOL 3320

PETE 4190 Senior Eng Capstone Proposal
Introduction to principles of engineering design as applied to petroleum projects. This course is the first course in two courses series to develop the final capstone-engineering project focusing on shale oil and gas. The course focuses on the testing and optimizing production design and strategy, drilling and completions, and economics of the pre-proposed project. In this course, students will apply their knowledge in reservoir modeling to test and optimize their capstone design to maximize its net present value. The class are divided into teams, each team must prepare a complete technical report of their project including all the conducted steps and results. Each group will present their project in form of a presentation and poster. Students will be evaluated based on their contribution to the team effort. All reports and presentations will be presented as a product of the team.
Prerequisites: Must be taken the semester prior to graduation

PETE 4290 Senior Eng Capstone Design
Integration of reservoir engineering and modeling for field development plan in unconventional formation. This course is the second course in two courses series to develop the final capstone-engineering project focusing on shale oil and gas. The course focuses on the testing and optimizing production design and strategy, drilling and completions, and economics of the pre-proposed project. In this course, students will apply their knowledge in reservoir modeling to test and optimize their capstone design to maximize its net present value. The class are divided into teams, each team must prepare a complete technical report of their project including all the conducted steps and results. Each group will present their project in form of a presentation and poster. Students will be evaluated based on their contribution to the team effort. All reports and presentations will be presented as a product of the team.

PETE 4302 Drilling Engineering II
This course addresses the current advancement and technologies applied in modern drilling designs. The course focuses on building and designing directional well paths, wellbore surveying methods, predicting dog-leg severity, bottom hole assembly and operational techniques used in directional drilling, limiting factors and wellbore issues associated with directional drilling.
Prerequisites: PETE 3301

PETE 4312 Reservoir Engineering II
Determination of reserves; material balance methods; aquifer models; fractional flow and frontal advance; displacement, pattern, and vertical sweep efficiencies in water floods; enhanced oil recovery processes; design of optimal recovery processes.
Prerequisites: PETE 3307

PETE 4313 Integrated Reservoir Mngt
Principles of reservoir management and applications to specific reservoirs. Examine case studies that include new fields, mature fields, water floods and enhanced recovery projects. Requirements for successful operation of a reservoir through integration of people, technology, tools and data, synergy, fostering teamwork and integration.
Prerequisites: PETE 4312

PETE 4321 Petroleum Production Eng. II
Fundamental production engineering design, evaluation and optimization for oil and gas wells, including well deliverability, formation damage and skin analysis, completion performance, and technologies that improve oil and gas well performance (artificial lift and well stimulation).
Prerequisites: PETE 3320.

PETE 4322 Artificial Lift
Prerequisites: PETE 3320

PETE 4332 Env Hlth & Saf in Oil Indus
This course analyzes U.S. laws, and how regulatory agencies address compliance concerns in the oil and gas industry. Attention will be paid to health, safety, and environmental concerns.
PETE 4355 Drilling Optimization
Optimization of the drilling process for oil and gas well based on geomechanical and dynamical models. Topics to be covered include drilling hydraulics, drill bit selection, operating parameter selection, analysis of drilling time and cost, and rate of penetration predications.
Prerequisites: PETE 4302

PETE 4370 Well Testing
Well test objectives and principles. Basics of Well Test Interpretation; Pressure transient tests and interpretation methods, unsteady-state fluid flow through porous rock, analysis of the drawdown and buildup tests, wellbore storage, application of pressure derivative in pressure transient data analysis, testing of hydraulically fractured wells, type curve methods, testing of horizontal wells, unified method of analysis, well test design, case studies of local field examples using well test commercial simulator; basics of specialized well test including Interference, pulse and vertical permeability testing, drill stem test (DST); Reservoir limit test; Wire line and slick line formation tests; Repeat formation tester (RFT).
Prerequisites: PETE 3307, PETE 3311, and PETE 3320

PETE 4380 Shale Oil & Gas Engineering
Overview of the unconventional basins and plays – North America, the rest of the world and Emerging basins; characteristics of unconventional oil and gas resources; unconventional resources workflow – exploration, identification, characterization, economics, efficient completion technologies, challenges, and development strategies. Pilot project in Shale resources development.
Prerequisites: PETE 3307 and PETE 3311

PETE 4382 Reservoir Modeling & Simulation
Introduction to the fundamentals and applications of reservoir molding and simulation. In this class, numerical models are built based on finite-difference and finite-volume approximations of governing equations of fluid flow in porous media, which integrate conservation of mass, isothermal fluid PVT behavior, and Darcy’s flow approximations.
Prerequisites: PETE 3307, PETE 3310, and PETE 3320

PHIL 3302 Philosophy of Law
An examination and evaluation of some basic practices and principles of Anglo-American law. The course will focus on such problems as: the nature and extent of legal liability, strict liability statutes, "Good Samaritan" laws, the law of criminal attempts, the enforcement of community moral standards, the obligation to obey the law, the justification of punishment and capital punishment, civil obedience, and affirmative action and reverse discrimination. We will examine prominent legal cases and their underlying principles, but the emphasis will be on the philosophical analysis and evaluation of the law in these areas. Readings will be drawn from both classical and contemporary sources. Course may be repeated for credit when topics vary.

PHIL 3304 Contemporary Moral Issues
Philosophical examination of selected moral problems arising out of contemporary society. Some of the moral problems we will explore are: abortion, euthanasia, poverty and hunger, war, animal rights, human cloning, and other biomedical issues.

PHIL 3316 Classic. to Renais. Philosophy
This course will cover the major philosophers from the Hellenistic and Roman philosophy of antiquity beginning circa 600 B.C.E. to the significant texts of the seventeenth-century in courses of study like theology, metaphysics, epistemology, moral psychology, aesthetics, and the utopian project of the West. Possible philosophers include such thinkers as the Pre-Socratics, Socrates, Plato, Aristotle, Augustine, Aquinas, Descartes, Berkeley, Hobbes, Machiavelli, Leibniz, Bacon, and Locke. Course may be repeated for credit when topic changes.

PHIL 3317 Renais. to Contemp. Philosophy
This course covers the major developments in philosophical thought from the 18th century through to the major thinkers of today. It deals with “modern” and “postmodern” topics such as the limits of science, political epistemology, aesthetics, hermeneutics, post-structuralism, critical theory, deconstruction, contemporary Marxist strategies, semiotics, cultural studies, gender studies, race theory, human-technological interplay, and other issues. May be repeated when topic changes.

PHIL 3321 Philosophy of World Religions
This course will provide a philosophical study of various world religions such as Judaism, Christianity, Islam, Hinduism, Buddhism, and many others, and may include studies of indigenous and oral religious traditions as well. The focus of the course will be the philosophical theories behind these religious worldviews and their respective arguments pertaining to the existence and nature of spiritual life. May be repeated when topic changes.

PHIL 3342 Great Bks: Renais. to Present
An intensive study of one or two philosophical classics or a series of readings selected from the classics of Western tradition since the Renaissance, from Cervantes to the present. Interchangeable with ENGL 3342. May be repeated when topic changes.

Prerequisites: Three hours of sophomore literature or consent of instructor.
PHIL 4310 Great Thinkers
This course involves the critical analysis of a specified philosopher’s ideas over the course of his or her career through the examination of selected works. Course may be repeated for credit when topics vary. Prerequisite ENGL 1302.

PHIL 4334 American Literary Renaissance
A study of American literature between 1830 and 1880, featuring selections by such writers as Emerson, Hawthorne, Poe, Fuller, Douglass, Thoreau, Melville, Stowe, Fern, and Whitman. Prerequisites: Successful completion of the Language, Philosophy, and Culture CORE component.

PHIL 4380 Philosophy in Literature
Formulation and critical analysis of philosophical ideas in selected literary works. May be repeated for credit when topic changes. Prerequisites: Three hours of sophomore-level ENGL with a grade of “C” or better, or three hours of sophomore-level PHIL with a grade of “C” or better, or consent of instructor

PHIL 4388 Existentialism
A study of the nature of human existence and experience in the philosophies of Dostoevsky, Nietzsche, Miguel de Unamuno, Kafka, Ortega y Gasset, Sartre, and Camus. May be repeated for credit when topic varies. Prerequisites: Three hours of sophomore-level ENGL with a grade of “C” or better, or three hours of sophomore-level PHIL with a grade of “C” or better, or consent of instructor

PHIL 4395 Special Topics in Philosophy
This special topics course will focus on philosophical contents and methods that are not currently covered by other Philosophy courses in the catalog. Course may be repeated when topic changes.

Physics (PHYS)

PHYS 1101 General Physics I Lab
Laboratory-based course to accompany PHYS 1301. Laboratory experiments reinforce PHYS 1301 principle of physics, and place importance on scientific communication and collaboration, as well as measurement methods, data collection, basic error analysis, and preparation of laboratory report. Carries no credit towards a major or minor in physics. Corequisites: PHYS 1301.
TCCN: PHYS 1101

PHYS 1102 General Physics II Lab
Laboratory-based course to accompany PHYS 1302. Laboratory experiments reinforce PHYS 1302 principle of physics, and place importance on scientific communication & collaboration, as well as measurement methods, data collection, basic error analysis, and preparation of laboratory report. Carries no credit toward a major or minor in physics. Must be taken concurrently with PHYS 1302. Prerequisites: PHYS 1301 and PHYS 1101.
TCCN: PHYS 1102

PHYS 1301 General Physics I
Fundamental principles of physics, is the first of a two semester sequence in General Physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics. Topics include: kinematics, dynamics, gravitation, energy, momentum, simple harmonic motion, fluid and heat; with emphasis on problem solving. Carries no credit toward a major or minor in physics. Must be taken concurrently with PHYS 1101. Prerequisites: MATH 1316 or MATH 2412.

PHYS 1302 General Physics II
Fundamental principles of physics, is the continuation of PHYS 1301, using algebra and trigonometry; the principles and applications of electricity and magnetism. Topics include: electrostatics, circuits, electromagnetism, waves, optics, and modern physics; with emphasis on problem solving. Carries no credit toward a major or minor in physics. Must be taken concurrently with PHYS 1102. Prerequisites: PHYS 1301 and PHYS 1101.

PHYS 1310 Survey of Physical Science
An introductory survey of physical science. Topics include physics (motion, forces, waves and thermodynamics), chemistry (periodic table, reactions), earth science (geology, weather, biosphere and environment) and astronomy (astronomical history, planetary astronomy, stellar astronomy and cosmology). Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with PHYS 1170. Carries no credit towards a major or minor in physics. TCCN: PHYS 1315

PHYS 2125 University Physics I Lab
Laboratory course to accompany PHYS 2325. Laboratory experiments reinforce theoretical principles from PHYS 2325 and place importance on scientific communication and collaboration, as well as measurement methods, data collection, uncertainty and error analysis, and preparation of laboratory reports. Must be taken concurrently with PHYS 2325.
TCCN: PHYS 2125

PHYS 2126 University Physics II Lab
Laboratory course to accompany PHYS 2326. Laboratory experiments reinforce theoretical principles from PHYS 2326 and place importance on scientific communication and collaboration, as well as measurement methods, data collection, uncertainty and error analysis, and preparation of laboratory reports. Must be taken concurrently with PHYS 2326.
TCCN: PHYS 2126

PHYS 2126 University Physics II Lab
Laboratory course to accompany PHYS 2326. Laboratory experiments reinforce theoretical principles from PHYS 2326 and place importance on scientific communication and collaboration, as well as measurement methods, data collection, uncertainty and error analysis, and preparation of laboratory reports. Must be taken concurrently with PHYS 2326.

PHYS 2126 University Physics II Lab
Laboratory course to accompany PHYS 2326. Laboratory experiments reinforce theoretical principles from PHYS 2326 and place importance on scientific communication and collaboration, as well as measurement methods, data collection, uncertainty and error analysis, and preparation of laboratory reports. Must be taken concurrently with PHYS 2326.
TCCN: PHYS 2126
PHYS 2325 University Physics I
A calculus-based treatment of the fundamental principles and applications of classical mechanics and thermodynamics for science and engineering majors. This course is the first of a two-semester sequence in University Physics. Topics include one-, two-, and three-dimensional motion, forces and Newton's laws, momentum conservation, energy conservation, gravitation, rotational dynamics, angular momentum, fluid mechanics, waves, simple harmonic motion, and thermodynamics. Must be taken concurrently with PHYS 2125.
Prerequisites: MATH 2413 or equivalent.
TCCN: PHYS 2325

PHYS 2326 University Physics II
A calculus-based treatment of the fundamental principles and applications of electricity and magnetism for science and engineering majors. This course is a continuation of PHYS 2325. Topics include electrostatics, circuits, electromagnetism, electromagnetic waves, optics, and modern physics. Must be taken concurrently with PHYS 2126.
Prerequisites: MATH 2414 or equivalent (or concurrent enrollment therein) and PHYS 2325 and PHYS 2125.
TCCN: PHYS 2326

PHYS 3305 Optics and Wave Theory
A detailed study of optics. Topics include thin and thick lenses, the lensmaker's equation, apertures, optical machines, interference, Fresnel and Fraunhofer diffraction and polarization, the Cornu Spiral. Electromagnetic waves, geometric optics, physical optics, optical instruments, lasers and holography.
Prerequisites: PHYS 2326/PHYS 2126, MATH 2415.

PHYS 3310 Modern Physics
An introduction to the foundations of modern physics. Topics include special and general relativity, kinetic theory of matter, electromagnetic quantization, light and energy, wave-matter duality of light, the Schrodinger Equation, nuclear physics and elementary particle theory.
Prerequisites: PHYS 2326/PHYS 2126; Corequisites: MATH 2415.

PHYS 3315 Classical Mechanics
Topics include kinematics of particles and particle systems in one to three dimensions, rigid body rotation, gravitation, Lagrangian and Hamiltonian dynamics, periodic motion, and small oscillations.
Prerequisites: PHYS 2326/PHYS 2126 and MATH 3330.

PHYS 3320 Electromagnetic Field Theory
A mathematical treatment of the fundamentals of classical electromagnetic theory. Topics include electrodynamics, vector calculus, theory of dielectrics, magnetostatic fields, electromagnetic induction, magnetic fields of currents, and Maxwell's equations.
Prerequisites: PHYS 2326/2126 and MATH 3330.

PHYS 3325 Thermodynamics
A mathematical treatment of the fundamentals of thermal physics. Topics include the concepts of temperature, equation of state, first and second laws of thermodynamics, entropy, change of phase, and thermodynamic functions.
Prerequisites: PHYS 2326/2126 and MATH 2415.

PHYS 4199 Special Topics in Physics
Selected topics in physics are covered, depending on student interest. Credit will be given more than once if the topic varies.
Prerequisites: Permission of instructor.

PHYS 4299 Special Topics in Physics
Selected topics in physics are covered, depending on student interest. Credit will be given more than once if the topic varies.
Prerequisites: Permission of instructor.

PHYS 4305 Quantum Mechanics
A mathematical treatment of quantized physical phenomena. Topics include the wave theory of matter, the principles of superposition, probability, expectation values, coordinate representation, momentum representation, indeterminacy, Hermitian operators, angular momentum, and spin. Quantum solutions for simple barriers, potential wells, harmonic oscillator, and the hydrogen atom are presented.
Prerequisites: PHYS 3310 and MATH 3330.

PHYS 4310 Advanced Modern Physics
Continuation of PHYS 3310. Topics include atomic, molecular, nuclear, statistical, solid state, laser and elementary particle physics.
Prerequisites: PHYS 3310 and MATH 3330.

PHYS 4315 Mathematical Methods of Physic
A course presenting mathematical techniques used in physics and engineering. The course will survey, at a brief introductory level and from a physics perspective, numerous mathematical techniques from areas such as infinite series, integral transformation, applications of complex variables, matrices and tensors, special functions, partial differential equations, Green's functions, perturbation theory, integral equations, calculus of variations, and groups and group representations.
Prerequisites: PHYS 2326/2126 and MATH 3330.

PHYS 4399 Special Topics in Physics
Selected topics in physics are covered, depending on student interest. Credit will be given more than once if the topic varies.
Prerequisites: Permission of instructor.

Political Science (PSCI)

PSCI 2301 Intro to Political Leadership
An introduction to the political, moral, and cultural factors that have shaped political leadership throughout the ages. Case studies drawn from political and social history to illustrate what makes human leadership unique and investigate why leadership and political organization vary across human societies, both historically and cross-culturally. (Cross-listed with LEDR 2301)

PSCI 2305 American National Government
A survey of national government in the United States with emphasis upon the Constitution, government structure, and processes. European background; federal, state, and interstate relations; rights and obligations of citizens; political parties; group organization; the legislative process; and the executive, judicial, and administrative functions in federal government.
Prerequisites: Completion of Texas Success Initiative (TSI) Reading requirements, ENGL 1301, or appropriate level developmental course sequence.
TCCN: GOVT 2305
PSCI 2306 American State Government
Analysis of state and local government in the United States, with particular emphasis upon the State of Texas. History of state governments; state constitutions; the role of the individual pertaining to the rights and liberties in participation in government; political parties, pressure groups, and the franchised. The state legislature, the governor and state administration, state court system, county municipal organization, and current problems of local government. Prerequisites: Completion of Texas Success Initiative (TSI) Reading requirements, ENGL 1301, or appropriate level developmental course sequence. TCCN: GOVT 2306

PSCI 3301 Research Methods in Social Sci
An introduction to the scientific method as applied to social science research. Topics include research methods, research designs, the analysis of data, and basic computer techniques. This course is interchangeable with CRIJ 3301 and SOCI 3301. Prerequisites: Junior or Senior Standing and consent of COAS Advisor.

PSCI 3305 Govt & Politics of Europe
The structures, function, and processes of selected European political systems.

PSCI 3308 Latin American Pol Systems
A comparative analysis of the major political systems of Latin America that emphasizes the role of political cultures, elites, and inter-systematic factors.

PSCI 3310 Studies in Comp Politics
This course will explore the methods of comparative political analysis. The course will emphasize political culture, structural functionalism, formal, legal, group, elite, class, and system approaches.

PSCI 3313 Class&Med Political Phil
A survey and analysis of political thought, theory, and political philosophy from Greek antiquity to the present.

PSCI 3314 Modern Political Philosophy
Fundamentals of political thought, theory, and philosophy since Machiavelli; major contemporary political theories and movements.

PSCI 3320 Congress and the Presidency
This course examines the functions and operations of these two branches of the federal government. How representative is the U. S. Congress? How does the Presidency govern? Moreover, the course explores the nature of the congressional-executive relations.

PSCI 3340 International Law & Org
A survey of the historical development and present role played by international law in the world community, and the formation and operation of international organizations. Organizations to be examined include the United Nations, regional development banks, alliance systems, cartels, common markets, and other international political organizations.

PSCI 3345 Intro to Public Administration
Perceptions of bureaucracy, organizational theory and behavior; administrative leadership and decision making; personnel problems and public unions; agency clientele and public interest; questions of administrative ethics, morality, and accountability; and individual in-depth studies of selected public policies.

PSCI 3350 Intro: Analysis of Publ Policy
Systematic analysis of factors affecting policy-making and implementation at various stages. Theories of decision-making, organizational behavior of bureaucracies, and regulatory alternatives.

PSCI 3353 Political Geography
The study of the spatial or geographic expression of political phenomena. The primary themes include political regions, boundaries, territorial control, geopolitics, the functioning of the state at multiple scales (from local to national), and international trade and security pacts. Case studies emphasize the political geographies of North America and Latin America. (Cross-listed with GEOG 3353).

PSCI 4307 The Interamerican System
This course analyzes the development of the modern Interamerican System, with emphasis on international and domestic factors that shape hemispheric pacts like the Organization of the American States (OAS) and sub-regional projects like NAFTA. The course also explores contemporary challenges to political and economic integration in the Americas.

PSCI 4309 Mexican Politics & Government
This course explores the roles of Mexican government institutions, state and local governments, political parties, the military, economic elites and social movements. The course analyzes the evolution of their relationships over time, as well as their influence on domestic and foreign choices. Prerequisites: Junior or Senior Standing.

PSCI 4310 Drug Trafficking
This course examines the economic and social history of cocaine, heroin, and marijuana along with the evolution of the U. S. led “war on drugs” and international narcotics control efforts. With a focus on Latin America, the class will explore the political economy of the cocaine trade in Mexico, Brazil, Central America, the Caribbean, and the Andean region - Bolivia, Peru, Ecuador, and Colombia. Emphasis will be given to the contemporary phases during the late 1960s to the post-9/11 transformation in the U. S. anti-drug policies and the sponsored “Global War on Terrorism.” Questions such as: Is it possible to end drug trafficking? Has the war on drugs been successful? What have been the unintended consequences of the U. S. punitive anti-drug approach domestically and internationally? Is legalization the path to take? are addressed. Alternative policies to the drug issue will be assessed, exploring the cases of Uruguay, Portugal, and the Netherlands among others. Prerequisites: Junior or Senior standing.

PSCI 4311 The Constitution and Civil Lib
The parameters of the federal Constitution and civil liberties; rights of citizens against state and federal governments; the nature of due process and the equal protection of the law; freedoms of expression, association and religion. (Cross-listed with CRIJ 4311)

PSCI 4312 Constitution and Crim Pro Law
The Constitution’s limits on government authority to gather evidence and investigate crime by examination of the Fourth Amendment’s limits on search, seizure and arrest; the Fifth Amendment’s privilege against self-incrimination; and the Sixth Amendment’s right to counsel. (Cross-listed with CRIJ 4312)
PSCI 4313 Constitution and Govt Powers
The powers of government, state and federal, under the federal Constitution; relations between branches of the federal government; limitations on governmental authority by virtue of the distribution of power.

PSCI 4320 The Political System of U.S
The institutional dynamics and historical evolution of Congress, the presidency, and the federal courts; ongoing structural changes in American national politics.
Prerequisites: Junior or Senior standing.

PSCI 4321 Special Stud in Political Sci
An intensive examination of special topics of study in political science.
May be repeated once when topic changes.

PSCI 4326 The Judicial Process
A study of the American judicial system with emphasis upon its structure, function, and process.
Prerequisites: Junior or Senior Standing.

PSCI 4335 International Politics
This course will explore and analyze various topics in international politics. Emphasis will be given to major theories and their application to related areas, issues, and regions. May be repeated once when topic changes.
Prerequisites: Junior or senior standing.

PSCI 4340 American Foreign Policy
A study of the sources of American foreign policy in domestic institutions and public opinion, and in the actions of foreign governments, as a means of elucidating the policy making process.
Prerequisites: Junior or Senior Standing.

PSCI 4351 Senior Seminar in PSCI
This course is the capstone for undergraduate studies in political science. It bridges major sub-fields of political science to identify linkages as well as divergences within the discipline. The course emphasizes contemporary developments in the study of politics by exploring current theoretical approaches, research methods, and emerging issues.
Prerequisites: Political Science majors only and Senior standing.

PSCI 4380 Civic Engagement & Leadership
Civic Engagement and Leadership is an experiential learning course that seeks to make a difference in the civic life of communities and develops in students the combination of knowledge, skills, values and motivation to make that difference. Students have multiple options, they may 1) perform hands-on work in the community in service based learning course 2) students can volunteer to work in designated civic engagement and leadership approved programs on campus, 3) students can complete an intensive internship experience, which requires pre-approval from the political science program director. Regardless of what option students choose they must enroll into PSCI 4380.
Prerequisites: Junior or Senior standing.

PSCI 4390 Undergraduate Research in PSCI
This course enables students to engage in independent research on an issue/topic in political science. The issue/topic is selected by the student, with the advice and approval of the instructor prior to registration. The course may be repeated under a different issue/topic for credit.
Prerequisites: Permission of instructor and either the Director of Political Science or the department chair.

PSCI 5301 Adv Methods of Social Research
This course introduces the student to the essentials of conducting social science research. Students will be introduced to the different dimensions of social research: ethics, theory, hypothesis testing, research design, sampling, measurement, and quantitative data analysis. Students will also become familiar with using SPSS, a common statistical software package. By the end of the course students will possess the foundation to begin applying this knowledge to real world applications in academia, government, non-profit, or private industry. (Cross-listed with CRJ 5320)
Prerequisites: PSCI 3301, SOCI 3305, or similar undergraduate coursework in social scientific research methods, or permission of instructor.

PSCI 5303 American Political Institution
An analysis of the operations and functions of the major political institutions in American government (i.e., legislature, elected executives, the bureaucracy, and the judiciary). The course focuses on how members are selected, how they use power, how they interact with other actors, and how they affect public policy.

PSCI 5308 American Political Behavior
An examination of the behavioral aspects of American politics, including both mass and elite behavior. Topics to be covered may include public opinion, political participation (e.g., voting behavior), political parties, and interest groups.

PSCI 5309 Mexican Politics & Government
This course explores the roles of Mexican government institutions, state and local governments, political parties, the military, economic elites and social movements. The course analyzes the evolution of their relationships over time, as well as their influence on domestic and foreign choices. (Cross-listed with PSCI 5309)

PSCI 5310 Directed Research in PSCI
Opportunity for graduate students to undertake independent study or research in political science. Prior consent of faculty member(s) with whom students wish to work. Subject may vary from semester to semester. This course may be repeated for a total of 6 SCH. Graded CR/NC

PSCI 5311 Constitutional Law
A case study of American constitutional law based on the leading decisions of the U.S. Supreme Court. This course deals with the functional and federal distributions of governing authority, civil liberties, rights of the criminally accused, and civil rights. This course is held in conjunction with PSCI 4311 but requires additional graduate-level work assigned to students taking the course for graduate credit. (Cross-listed with PSCI 4311)
Prerequisites: Admission to a graduate degree program, including the BA/MA.
PSCI 5326 The Judicial Process
A survey of normative and empirical debates relating to law and courts both in the United States and around the world.
Prerequisites: Graduate standing.

PSCI 5330 Sem in Political Philosophy
Intensive investigation in selected topics of concern to students of political science. Subject will vary from semester to semester. Course may be repeated when subject matter changes.

PSCI 5340 Comparative Politics
An in-depth comparative analysis of the political systems of the countries of Western Europe, Latin America, Asia and the Middle East.

PSCI 5345 Topics in Area Studies
An intensive investigation of the social, economic, and political conditions of specific world regions. Possible areas include the Middle East, Sub-Saharan Africa, South Africa, Western Europe, Eastern Europe, East Asia, South Asia, Central Asia, Southeast Asia, Pacific, North America, Mexico, Canada, or other regions or countries. Course may be repeated when world region changes.

PSCI 5350 Ethnic Politics
A study of ethnic interest groups and the varieties of American ethnic politics. Emphasis on ethnic groups in Texas.
Prerequisites: Admission to a graduate degree program, including the BA/MA.

PSCI 5360 American Foreign Policy
An analysis of the forces and institutions involved in the establishment of American foreign policies. Emphasis is placed on the effect of the growth of American power and responsibility on the development of foreign policies.

PSCI 5368 Sem in International Politics
Selected problems and concepts related to the theory and practice of international politics. Subject may vary from semester to semester. Course may be repeated when subject matter changes.

PSCI 5370 Political & Historical Thought
This is an interdisciplinary seminar for students whose interests lie in the field of the study of the history of ideas, with a particular emphasis on the history of political thought. The seminar covers topics in Western, Non-Westerns, ancient, medieval, early modern, modern and contemporary thought, political theory, and methodology in the history of political thought.

PSCI 5372 Topics in Int. Politics
A current issue or topic in the discipline of international relations/affairs such as Ethics and International Affairs, International Law, International Organization, Democratization, Transnational Crime and Terrorism, International Development, Leadership in International Affairs, War and Peace, International Political Economy, or other topics will be the focus of the course. The course may be repeated when the topic changes.

PSCI 5373 Adv Sem in Latin-Amer Politics
Focused study of one major regional issue or unifying theme in Latin American Politics. May be repeated once when topic changes

PSCI 5385 Political Science Internship
This course is an option for students enrolled in thesis and topical focus plans. Students will be placed in one of many types of organizations, pollsters, and government agencies. Intern students will attend class meetings, maintain activity logs, and write a research paper.

PSCI 5390 Special Problems in PSCI
A current issue or topic in the discipline of political science. The course may be repeated when the topic changes.

PSCI 5398 Thesis I
This course is designed to be the first step towards the successful completion of a thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on a draft. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing and permission of major instructor/advisor.

PSCI 5399 Thesis II
This course is designed to be the final step towards the successful completion of the thesis. Students schedule the coursework in consultation with their thesis advisors. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of PSCI 5398: Thesis I, and permission of the major instructor/advisor.

Portuguese (PORT)
PORT 1311 Beginning Portuguese I
In this course, students will acquire fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures and culture.
TCCN: PORT 1411

PORT 1312 Beginning Portuguese II
A continuation of PORT 1311, students will acquire additional skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
Prerequisites: PORT 1311 or consent of instructor.
TCCN: PORT 1412

PORT 1620 Beginning Portuguese I and II
An intensive oral and written introduction to Portuguese; student will acquire fundamental skills in listening comprehension, speaking, reading and writing. Includes basic vocabulary, grammatical structures, and culture. This course offers the student a one-semester course equivalent to PORT 1311 and PORT 1312.

PORT 3301 Intensive Portuguese
Conducted in Portuguese. This course is designed for Spanish speakers or for highly-motivated students with experience in another Romance language. Special emphasis on making the transition from Spanish to Portuguese using a communicative approach with emphasis on all language skills. This course may be used to meet the University foreign language Core Curriculum requirements or the second Romance language degree requirement in Spanish.
Prerequisites: Twelve hours of Spanish or another Romance Language or consent of the instructor.
PORT 3324 Luso-Brazilian Lit&Culture
Conducted in Portuguese. Thematic examination of some of the major cultural developments, overview of literary periods, and introduction to the major literary figures of Portugal, Brazil, and the Luso-African countries.
Prerequisites: PORT 3301.

Production Operations Mgt (POM)

POM 3310 Production & Operations Mgt
Introduces the student to planning, organizing, and controlling production and service systems. The impact of new product and process technologies will also be covered. Written and/or oral presentations are required.
Prerequisites: DS 2310

POM 5310 International Production Mgt
An intensive study of how to effectively coordinate production and service operations across international boundaries. Special attention is paid to firms with multinational production operations and firms with international suppliers and/or customers.

POM 5317 Management of Technology
An intensive study of the impact of new or emerging technologies on the management, strategy and structure of the firm. Technologies studied include, but are not limited to, advanced information systems, and automated production equipment and systems.
Prerequisites: MIS 5300

Psychology (PSYC)

PSYC 2117 Basic Stats for Psychology
Introduces practical knowledge of statistical reasoning, from descriptive statistics such as histograms, measures of central tendency, variability, and correlation, to inferential statistics including, probability theory, hypothesis testing, effect size, t-tests, analysis of variance, regression, and chi square, which are essential for understanding scientific reports in psychology and cognitive sciences. Students enrolled in this class must obtain a “C” or better to earn credit and enroll in PSYC 3302.
Corequisites: PSYC 2117.
TCCN: PSYC 2317

PSYC 3102 Rsrch Methods in Beh Sci Lab
This laboratory course offers students the opportunity to become familiar with experimental, correlational, and other procedures to selected psychological issues. This class provides the opportunity to develop skills in the analysis of published research, and introduces the student to techniques for collecting and analyzing data.
Corequisites: Concurrent enrollment in PSYC 3302.

PSYC 3301 Social Psychology
Explores the theory and phenomena of social psychology, the nature and type of social variables and the methods used to study them, and the effect of social variables upon the behavior of individuals.

PSYC 3302 Research Methods in Pscy
Reviews the principles and methodologies of psychological inquiry. Course emphasizes critical thinking, designing and conducting experimental, survey, and observational research, analyzing and interpreting scientific data, and writing professional research reports. This course is required for admittance in the Master of Counseling Psychology Program with a grade of “B” or higher.
Prerequisites: PSYC 2317 and PSYC 2117 (or a statistics course) with a grade of “C” or better.
Corequisites: concurrent enrollment in PSYC 3102 or permission of instructor.

PSYC 3304 Learning and Memory
Familiarizes the student with the general principles of learning and memory by examining various learning theories, memory research, perception, information processing, and problem-solving.

PSYC 3308 Intercultural Communication
This course provides students with an introductory knowledge base for examining constructions of culture. Course discussions will focus upon intercultural interactions, intercultural barriers, cultural perspectives, cultural adaptions, identity constructions and the greater social, political, philosophical, relational, and economic contexts that shape these concepts.
Prerequisites: COMM 1311 or Instructor Approval.

PSYC 3310 Biological Psychology
Examines the biological basis of behavior. Familiarizes students with the biological mechanisms relevant to key issues in psychology, such as learning and memory, sexual behavior, biological rhythms, emotion and stress, lateralization and language, sensation/perception, sensorimotor systems, abnormal behavior, and neural development and plasticity.
PSYC 3315 Psychology of Aging
Examines major theories of adult development and particularly explores the interactive processes of biology, cognitive aging, personality, and psychosocial factors on development in older adults (age 50 and above). Emphasis is on the everyday adjustments that older adults make as they age and on the impact of increasing numbers of older adults on economics, politics and health care.

PSYC 3320 Evolutionary Psychology
The course examines the foundations of human behavior, cognitive processes and personality through an evolutionary perspective. Evolutionary psychology attempts to explain how certain behaviors arise, their origin, and their historical and significant purpose throughout human history. Topics include human behavior, the human mind, survival, mating strategies, group behavior, aggression, and the differences between sexes. (Formerly PSYC 2320)
Prerequisites: One course from PSYC 2301, SOCI 1301, CRIJ 1301, BIOL 1370 or ANTH 2346.

PSYC 4199 Undergraduate Research
A course adapted to the study of special topics in Psychology and Cognitive Science. For advanced students interested in developing a research topic or a senior thesis independently through conference and activities directed by the professor. Topic is chosen by the student with the approval of the professor prior to registration. Course may be repeated but not to exceed eight semester hours.
Prerequisites: PSYC 3302 or Permission of instructor.

PSYC 4299 Undergraduate Research
A course adapted to the study of special topics in Psychology and Cognitive Science. For advanced students interested in developing a research topic or a senior thesis independently through conference and activities directed by the professor. Topic is chosen by the student with the approval of the professor prior to registration. Course may be repeated but not to exceed eight semester hours.
Prerequisites: PSYC 3302 or Permission of instructor.

PSYC 4301 Psychology of Personality
Introduces personality theory and the important factors in the development of personality from birth to maturity. This course is required for admittance into the Master of Counseling Psychology program with a grade of 'B' or higher.
Prerequisites: Psychology major and Senior status, or permission of instructor.

PSYC 4303 Abnormal Psychology
Introduces symptoms, descriptions, etiology, and treatment of major mental disorders such as mood, anxiety, substance-related, psychotic, childhood, eating, and personality disorders. This course is required for admittance into the Master of Counseling Psychology program.
Prerequisites: PSYC 2301 or SOCI 1301 or CRIJ 1301.

PSYC 4305 Psychology of Language
Explores human communication, the structure and cognitive processes involved in language use, psychological study of syntax and semantics, bilingualism, language and thought, and language errors and disorders. Also examines the principles associated with receptive and expressive communication deficits in children.

PSYC 4306 Language Development
This course explores the development of child language as it relates to sounds, grammar and speech of young children. The relationship between cognitive development and language in monolingual and bilingual children is a primary focus. (Cross listed with CSDO 4333)

PSYC 4307 The Psychology of Bilingualism
Explores issues related to language and memory for those who speak two or more languages. Class examines bilingual issues in language comprehension, reading, lexical representation, code-switching, second-language acquisition, language and brain disorders, biological and cultural aspects of bilingualism, bilingual education, and the development of bilingualism in children.

PSYC 4308 Theory & Prin of Psyc Testing
Introduces the rationale of psychological measurement, test construction, validity, reliability, standardization, and statistical treatment of test results. Examines various accepted tests as measurements of significant individual characteristics. This course is required for admittance into the Master of Counseling Psychology program.
Prerequisites: PSYC 2317.

PSYC 4309 Foundations of Language
This course explores basic theoretical issues concerning the nature of human language. Topics include the intricate system that governs language acquisition, linguistic competence and performance, the similarities and differences among world languages, and the relationship between spoken and written language.

PSYC 4310 Psychology of Human Sexuality
Covers psychological issues in human sexuality including genetic, hormonal, cognitive, and cultural determinants. The causes and treatment of sexual dysfunctions, sexual deviations, sexual life style variations, and gender identity will also be explored. May be taken for graduate credit.

PSYC 4311 Media and Behavior
Examines the ways in which individual consumers, society and various forms of media interact. Outcomes related to advertising effects, criminal behavior, sexuality and racial prejudice will be covered. (Cross-listed with COMM 4311 and CRIJ 4324)
Prerequisites: ANTH 2346 or COMM 1311 or CRIJ 1301 or PSYC 2301 or SOCI 1301.

PSYC 4315 Alcohol, Drugs&Human Behavrr
Reviews the social, psychological, and physiological effects of alcohol and all the major therapeutic and recreational drugs, historical and current definitions of alcohol and drug use and abuse, and sociocultural aspects of alcohol/drug dependency, including vulnerable populations. The issues of alcohol/drug use and abuse will be studied to develop effective strategies for prevention and rehabilitation of alcohol and drug dependency. Interchangeable with CRIJ 3325. May be taken for graduate credit.

PSYC 4325 Cognitive Psychology
Focuses on cognitive psychology, language development, concept formation, problem solving, information processing, split-brain research, neuropsychology, memory, perception, and cognitive clusters.
Prerequisites: PSYC 2301 or permission of instructor.

PSYC 4335 Issues in Psychology
Examines current or special topics in the field of psychology. May be repeated when topics change.
PSYC 4399 Undergraduate Research
A course adapted to the study of special topics in Psychology and Cognitive Science. For advanced students interested in developing a research topic or a senior thesis independently through conference and activities directed by the professor. Topic is chosen by the student with the approval of the professor prior to registration. Course may be repeated but not to exceed eight semester hours. Prerequisites: PSYC 3302 or Permission of instructor.

PSYC 5135 Issues in Psychology
Examines current or special topics in the field of psychology. May be repeated when topics change.

PSYC 5197 Graduate Research
This course enables students to engage in research on a related to psychological inquiry. Research topic is chosen by the student with the approval of the professor prior to registration. Course may be repeated but not to exceed 12 semester hours. Hours do not count toward the student's major degree plan. Prerequisites: Graduate standing, PSYC 5320 or permission of instructor and department chair.

PSYC 5198 Thesis I
This course is designed to be the first step towards the successful completion of the Psychology thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on a draft. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, successful completion of 27 SCH of the major curriculum, including PSYC 5320, successful completion of the written comprehensive examination, and approval of the major professor and department chair.

PSYC 5199 Thesis II
This course is designed to be the final step towards the successful completion of the Psychology thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, successful completion of PSYC 5398, and approval of the major professor and department chair.

PSYC 5235 Issues in Psychology
Examines current or special topics in the field of psychology. May be repeated when topics change.

PSYC 5301 Intro to Couns&Psychotherapy
Provides introduction and practice in the basic intervention strategies and techniques used in counseling and the human service professions. Enrollment in this course is restricted to those TAMIU students who are currently matriculating through the M.A. Counseling Psychology Program. Prerequisites: PSYC 4301 and PSYC 4303 or permission of instructor.

PSYC 5302 Survey of Social Psychology
Explores principles and issues in social cognition, prejudice and discrimination, identity, attitudes, social influence, social perception and the empirical methods used to study the effects of social variables in the individual's behavior. Prerequisites: Graduate standing, or permission of the instructor.

PSYC 5303 Theories of Couns & Psychothrp
Familiarizes the student with the principles and practices of a variety of counseling and psychotherapy theoretical models. Enrollment in this course is restricted to those TAMIU students who are currently matriculating through the M.A. Counseling Psychology Program. Prerequisites: PSYC 4301 and PSYC 4303 or permission of instructor.

PSYC 5304 Survey of Personal Psychology
Advanced survey course examining the major theories of personality and the development of psychopathology. Consideration of such topics as Freudian and neo-Freudian theory, interpersonal, humanistic and existential theories, and behavioral and social cognitive approaches, with emphasis on the integration of personality. This course may be taken to fulfill the PSYC 4301 stem-work requirement for the MACP program. Prerequisites: Graduate standing or permission of the instructor.

PSYC 5305 Human Dev Across Life-Span
Explores the major theories of human development across the life-span, from infancy to old age, and describes and compares development processes and issues emphasized by different theorists and researchers. Prerequisites: Graduate standing.

PSYC 5307 Psychopathology
Provides current clinical descriptions, research, and theories of human psychopathology. Emphasis on disorders of infancy, childhood, adolescence, and adulthood. Enrollment in this course is restricted to those TAMIU students who are currently matriculating through the M.A. Counseling Psychology Program. Prerequisites: PSYC 4303 or permission of instructor.

PSYC 5308 Advanced Psychopathology
This course provides current clinical understanding of the etiology, research, and pharmacological treatments available for human psychological disorders. The course involves discussion and critical evaluation of current, historical, and interdisciplinary perspective to psychopathology and the pharmacological treatment options available. Prerequisites: PSYC 5307 or permission of the instructor.

PSYC 5310 Ethical, Legal&Prof Issues
Examines the professional orientation and role identity of counselors, the objectives of professional organizations, codes of ethics, legal aspects of practice, standards of preparation, and other professional issues. Prerequisites: Graduate standing.

PSYC 5312 Pastoral Counseling
Provides training in areas of counseling and psychotherapy that are common among vocational ministries, as well as various faith-based issues faced by many clients. The course will include Marriage and Family Issues, Domestic Violence, Grief, Death and Dying, Crisis Intervention, and faith-based strategies for facing life issues. Prerequisites: PSYC 5301 and PSYC 5303 or permission of the instructor.

PSYC 5315 Group Couns&Psychotherapy
Familiarizes the student with the theories, processes, and practices of group counseling and psychotherapy. Student will participate in a small group experience. Prerequisites: PSYC 5301 and PSYC 5303 or permission of instructor.
PSYC 5320 Research Design & Statistics
Provides the background of research methods and statistical techniques necessary to understand the principles and methodology used in psychological research. Designed to assist students in the preparation of the thesis proposal.
Prerequisites: PSYC 2317 (or a statistics course) and PSYC 3302 and PSYC 3102 or permission of instructor.

PSYC 5324 Crisis Counseling
Provides knowledge and training in crisis counseling and stress response psychotherapy with emphasis on crisis assessment techniques and crisis intervention strategies. Enrollment in this course is restricted to students currently matriculated in the M.A. in Counseling Psychology program.
Prerequisites: PSYC 5307 or permission from the instructor.

PSYC 5325 Marriage & Family Therapies
Reviews theory and practice of couples and family therapies with emphasis on family systems, communications in intimate relationships, and specific issues affecting families. Enrollment in this course is restricted to students currently matriculated in the M.A. in Counseling Psychology program.
Prerequisites: PSYC 5301 and PSYC 5303 or permission of the instructor.

PSYC 5327 Child & Adolesces Psychotherapy
Develops and further enhances knowledge and skills in the counseling and psychotherapy of children and adolescents. Behavior management, verbal-based approaches, and nonverbal approaches such as play-related techniques will be explored.
Prerequisites: PSYC 5301 and PSYC 5303 or permission of the instructor.

PSYC 5331 Appraisal Techniques
Focuses on basic concepts of standardized and non-standardized assessment. Emphasis on diagnostic interviewing, mental status exams, test construction concerns, test score meanings, behavioral observations, test selection, and multicultural considerations. Enrollment in this course is restricted to students who are currently matriculated through the M.A. Counseling Psychology program.
Prerequisites: PSYC 4308, PSYC 5301, and PSYC 5303.

PSYC 5335 Issues in Psychology
Examines current or special topics in the field of psychology. May be repeated when topics change.

PSYC 5336 Multicultural Issues in Couns
Provides the student with a global and multicultural perspective to the practice of counseling and psychotherapy. Emphasis will be placed on a world community which includes numerous human differences: racial, ethnic, religious, gender, age, sexual orientation, and physical and mental abilities. Enrollment in this course is restricted to students who are currently matriculated through the M.A. Counseling Psychology program.
Prerequisites: PSYC 5350 or permission from the instructor.

PSYC 5337 Ethic Leg & Prof Iss in CMHC
Addresses records management, an overview of business/family law and professional practice and the study of current Texas board rules. The topics of prevention, crisis, advocacy and intervention strategies in diverse communities are reviewed. Introduces educational approaches to strengthen personal, systemic and societal resiliency. Presents methods to sensitively conduct community needs assessment within diverse populations.
Prerequisites: PSYC 5310 or permission from the instructor.

PSYC 5338 Addictions Counseling
Reviews diagnostic and assessment practices, goal setting, treatment planning, multicultural, legal, and ethical issues in the field of addictions counseling to include gambling, sexual, eating, alcohol, and drug. A systematic approach to treatment will be emphasized along with various theoretical approaches. The focus of the class is clinical and students are expected to participate as appropriate.
Prerequisites: PSYC 5307

PSYC 5340 Career Counseling & Dev
Develops knowledge and skills in life-style and career counseling. Familiarizes student with theories of career development, vocational choice, sources of occupational and educational information, and career decision-making processes. Emphasis will be placed on practicing the skills and techniques of career counseling.
Prerequisites: Graduate standing.

PSYC 5341 Cult Asp Cnsling Cnts Hisp Dt
This course prepares graduate students in counseling psychology to recognize and appreciate cultural aspects of Hispanic, primarily Mexican and Mexican-American, clients that may influence the counseling process. The course focuses on issues related to class, sex, gender, and spirituality that may arise during the counseling session. The class is taught in Spanish and it is required for counseling psychology students planning to earn the Certificate in Bilingual Counseling offered by the Master's in Counseling Psychology Program.
Prerequisites: Students must be fluent in Spanish; Graduate standing or permission of the instructor.

PSYC 5342 Tech Asp of Hisp in SPAN
This course prepares graduate students in counseling psychology in utilizing correct clinical Spanish terminology in the counseling session, case presentation, and documentation. The class is taught in Spanish and it is required for counseling psychology students planning to earn the Certificate in Bilingual Counseling offered by the Masters in Counseling Psychology Program.
Prerequisites: Students must be fluent in Spanish, Graduate standing or permission of the instructor and successfully complete PSYC 5341.

PSYC 5350 Counseling Practicum
Provides supervised practice in counseling in a departmentally approved facility. Enrollment in this course is restricted to students who are currently matriculated through the M.A. Counseling Psychology program. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: PSYC 5301, PSYC 5303, PSYC 5315, PSYC 5307 and PSYC 5310.

PSYC 5352 Counseling Internship I
This course provides supervised experience in a departmentally approved training facility. Enrollment in this course is restricted to students who are currently matriculated through the M.A. Counseling Psychology program. Evaluation of performance in this course is on CR/NC basis. If successfully completed, course is followed by PSYC 5354, Counseling Internship II. May be repeated with permission of instructor.
Prerequisites: PSYC 5305 or permission of instructor.
PSYC 5354 Counseling Internship II
This course provides the advanced supervised clinical experience in a departmentally approved training facility. Enrollment in this course is restricted to students who are currently matriculated through the M.A. Counseling Psychology program. Evaluation of performance in this course is on CR/NC basis. May be repeated with permission of instructor. Prerequisites: PSYC 5350 and PSYC 5352, or permission of instructor.

PSYC 5363 Foundations of Psychology
Advanced survey course examining the major theories of personality and the development of psychopathology. Consideration of such topics as Freudian and neo-Freudian theory, interpersonal, humanistic and existential theories, and behavioral and social cognitive approaches. Causes, treatment, and phenomenology of psychopathology are explored, with emphasis on the integration of personality and models of abnormality. This course may be taken to fulfill the PSYC 4301 and PSYC 4303 stem-work requirement. Prerequisites: Graduate standing, or permission of the instructor.

PSYC 5365 Advanced Statistics
Analyzes the fundamentals of multiple regression and correlation, principles of experimental design, analysis of variance (ANOVA) including factorial and repeated-measures designs and a priori and post hoc comparisons. Introduces computer-based statistical packages in the analysis of categorical and continuous data from psychological research. Prerequisites: PSYC 5320 or permission of the instructor.

PSYC 5368 Spec Topics Research Methods
Examines specific methods of quantitative research, qualitative research, program evaluation, or statistics not addressed in other courses and/or current issues/debates in the area of research methods. May be repeated when topic changes by permission of the instructor. Prerequisites: Graduate standing and permission of the instructor.

PSYC 5369 Bilingual Cognition
This interdisciplinary course provides a general overview of bilingual cognition from the perspectives of cognitive, social, and developmental psychology, anthropology, linguistics, neuroscience, and sociolinguistics. It examines issues related to how bilinguals learn and use their languages, create and store memories, solve problems, and perceive the world. It also focuses specifically on research methods employed to study bilingual cognitive and neurological mechanisms and offers insights into educational and cross-cultural perspectives. Prerequisites: PSYC 4307 or any of the following, PSYC 3304, PSYC 4305, PSYC 4325, PSYC 5370, PSYC 5374.

PSYC 5370 Cognitive Science
Familiarizes the student with a variety of theoretical and methodological approaches to the scientific study of intelligent thought and behavior in humans, animals, and machines. Students will explore the intricacies of the human mind, broadly defined, by approaching it from the fields of cognitive psychology, social cognition, artificial intelligence, linguistics, neuroscience, philosophy, and evolutionary psychology. Prerequisites: Graduate standing, or permission of the instructor.

PSYC 5373 Topics in Social Psychology
Explores selected issues in social cognition, prejudice and discrimination, identity, attitudes, social influence, social perception and the empirical methods used to study the effects of social variables in the individual's behavior. Course may be repeated when topic changes. Prerequisites: PSYC 3301, or permission of the instructor.

PSYC 5374 Human Memory
Examines the processing systems that underlie human learning, memory and cognition. Involves discussion an critical evaluation of current, historical, and interdisciplinary readings relevant to human memory. Prerequisites: Graduate standing or permission of instructor.

PSYC 5375 Intro to Neuropsychology
Analyzes the relationship between the nervous system and behavior. Emphasis on neuronal transmission, transmitter dynamics, and principles of nervous system organization. Other areas of emphasis include the psychobiology of drug actions, pain, modulation of consciousness, regulatory processes, information processing, emotion, and the pathophysiology of various mental disorders. Prerequisites: Graduate standing, or permission of the instructor.

PSYC 5388 Psychology Internship I
This is the first in a two-semester sequence in Psychology Internship. This course provides the first supervised service learning experience in a departmentally approved internship training facility. Enrollment in this course is restricted to students who are currently matriculated through the MS in Psychology program. May be repeated with permission of instructor. Evaluation of performance in this course is on CR/NC basis. If successfully completed, course is followed by PSYC 5389, Psychology Internship II. Prerequisites: PSYC 5302, 5304, and 5320 or permission of instructor.

PSYC 5389 Psychology Internship II
This is the second in a two-semester sequence in Psychology Internship. This course provides the first supervised service learning experience in a departmentally approved internship training facility. Enrollment in this course is restricted to students who are currently matriculated through the MS in Psychology program. May be repeated with permission of instructor. Evaluation of performance in this course is on CR/NC basis. Prerequisites: PSYC 5302, 5304, 5320, and 5388, or permission of instructor.

PSYC 5397 Graduate Research
This course enables students to engage in research on a related to psychological inquiry. Research topic is chosen by the student with the approval of the professor prior to registration. Course may be repeated but not to exceed 12 semester hours. Hours do not count toward the student's major degree plan. Prerequisites: Graduate standing, PSYC 5320 or permission of instructor and department chair.

PSYC 5398 Thesis I
This course is designed to be the first step towards the successful completion of the Psychology thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on a draft. If the grade of IP is received, the student must enroll again for credit. Prerequisites: Graduate standing, successful completion of 27 SCH of the major curriculum, including PSYC 5320, successful completion of the written comprehensive examination, and approval of the major professor and department chair.
PSYC 5399 Thesis II
This course is designed to be the final step towards the successful completion of the Psychology thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of PSYC 5398, and approval of the major professor and department chair.

PSYC 5698 Thesis I
This course is designed to be the first step towards the successful completion of the Psychology thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on a draft. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of 27 SCH of the major curriculum, including PSYC 5320, successful completion of the written comprehensive examination, and approval of the major professor and department chair.

PSYC 5699 Thesis II
This course is designed to be the final step towards the successful completion of the Psychology thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of 27 SCH of the major curriculum, including PSYC 5320, successful completion of the written comprehensive examination, and approval of the major professor and department chair.

PSYC 5999 Thesis I
This course is designed to be the first step towards the successful completion of the Psychology thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee and the required evidence of progress on a draft. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of 27 SCH of the major curriculum, including PSYC 5320, successful completion of the written comprehensive examination, and approval of the major professor and department chair.

PSYC 5999 Thesis II
This course is designed to be the final step towards the successful completion of the Psychology thesis. Students schedule the coursework in consultation with their major professor. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of IP is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of PSYC 5398, and approval of the major professor and department chair.

Public Administration (PADM)

PADM 5301 Adv Methods of Social Rsrch
This course introduces the student to the essentials of conducting social science research. Students will be introduced to the different dimensions of social research: ethics, theory, hypothesis testing, research design, sampling, measurement, and quantitative data analysis. Students will also become familiar with using SPSS, a common statistical software package. By the end of the course students will possess the foundation to begin applying this knowledge to real world applications - in academia, government, non-profit, or private industry. (Cross-listed with PSCI 5301)
Prerequisites: CRIJ 3305, PSCI 3301, SOCI 3305, or similar undergraduate coursework in social scientific research methods, or permission of instructor.

PADM 5332 Program Evaluation
This course is a broad introduction to the framework of program evaluation. It is designed to introduce students to the major concepts, approaches, methods, theories, and the processes in the field of program evaluation. In this course students will learn the primary tools and techniques of the evaluation process, as well as, the organizational and political context in which evaluators operate.
Prerequisites: Graduate standing and PADM 5301 or equivalent, and PADM 5375, or permission from instructor.

PADM 5334 Administrative Law
An in-depth analysis of the constitutional and legal foundations of public administration, as well as court decision rules, precedents, and practices as they relate to public organizations.
Prerequisites: Graduate standing and PADM 5301 or equivalent, and PADM 5375, or permission from instructor.

PADM 5342 Organization Theory
This course explores the evolution of organization theory, from classical to the modern with a main focus on public organizations. It is designed as a broad introduction to the structure and function of organizations. The primary focus is to equip students with organizational concepts and theoretical perspectives for public management.
Prerequisites: Graduate standing and PADM 5375, or permission from instructor.

PADM 5344 Communication for Public Adm
The study of communication challenges and strategies for public administration professionals. Compare communication demands placed on public organizations versus private corporations. Apply theories of public discourse and public service to specific cases.
Prerequisites: Graduate standing and PADM 5375 or permission from instructor.

PADM 5362 Administrative Ethics
Practicing ethics in government, including the philosophy of ethics, the role of ethics in public organizations, and applications of case studies to ethical problem-solving in public service as well as nonprofit organizations.
Prerequisites: Graduate standing and PADM 5375, or concurrently with 5375.

PADM 5375 Surv of Pub Adm&Pub Affairs
Theories of public organization, public service, and public administration are examined as they influence individual and group behaviors and decision making in public sector environment.
Prerequisites: Graduate standing.
PADM 5377 Survey of Nonprofit Lead & MGT
Through a fusion of best practices and nonprofit management research literature, this course provides an overview of nonprofit leadership, including CEO/Executive Director management, volunteer leadership, recruitment, selection, training, management, retention, including theories of motivation, leadership and ethics. It also provides a broad overview of the management of nonprofit organizations' finances, financial development, legal requirements and the role of nonprofits in community and as a global phenomenon.
Prerequisites: Graduate standing in the Master of Public Administration program at TAMIU or graduation from a master's degree program from any accredited university.

PADM 5378 Human Resources Mgt in PADM
This course examines the principles and practices of personnel administration in public bureaucracies. It includes the development of human resources management as a branch of knowledge and as a partner in the management of public organizations. Some of the key functions noted are personnel motivation, personnel recruitment and retention, bureaucratic subculture, organizational change, and political climate.
Prerequisites: Graduate standing and PADM 5375 or concurrently with 5375.

PADM 5379 Philanthropy, Fund Raising NPO
Methods of allocating financial resources in public bureaucracies are studied. Course covers relevant accounting procedures, statistical presentations of budgets, lobbying legislative bodies for budgetary resources, and the politics of agency funding.
Prerequisites: PADM 5375.

PADM 5380 Prin & Politics of Public Bud
Methods, norms, and practices of public budgeting and fiscal management are studied. Course covers the politics of budgeting, principles of public finance, and the analysis of fiscal management processes, procedures, and standards.
Prerequisites: Graduate standing and PADM 5375.

PADM 5381 Grant and Contract Management
This course presents hands-on training in grant writing and contract management for nonprofit organizations. Including how to respond to grant solicitations, how to prepare/present a grant/contract application and an overview of how to develop a program evaluation of grant/contract funded programs. This course includes a service learning component as students will research and produce a grant/contract proposal and application for a local nonprofit organization.
Prerequisites: Graduate standing in the Master of Public Administration program at TAMIU or graduation from a master's degree program from any accredited university.

PADM 5382 Public Policy Dev & Implem
This course focuses on the public policy process in the United States, including agenda setting, policy formulation, implementation, evaluation, and termination. While the focus is on policy making at the national level, similar dynamics occur at the sub-national level. This course examines policy-making environment in the United States from a political, social, economic, and cultural context and covers selected substantive policy areas.
Prerequisites: Graduate standing and PADM 5375 or concurrently with PADM 5375.

PADM 5383 Nonprofit Law and Process
This course covers nonprofit law in the United States for nonprofit organizations. It includes the legal steps to form a nonprofit organization, reporting requirements, boards of directors' responsibilities, audit requirements and other legal obligations for nonprofit organizations.
Prerequisites: Graduate standing in the Master of Public Administration program at TAMIU or graduation from a master's degree program from any accredited university.

PADM 5385 Strategic Plan & Fiscal Admin
This course provides hands-on training in the development and management of a nonprofit strategic plan and strategic action plan including goal setting, development, and analysis. It will also provide an overview of budgeting, cost accounting, estimating income and expenses, financial reporting and ethical implications of managing financial resources for nonprofit organizations as they develop and implement their strategic plans. This course provides an opportunity for service learning as students will work with a local nonprofit organization to create a strategic plan that will be presented to the organizations' executive director and board of directors.
Prerequisites: Graduate standing in the Master of Public Administration program at TAMIU or graduation from a master's degree program from any accredited university.

PADM 5387 International Nonprofit Mgt
This course deals with formation of nonprofits in nations other than the United States with special emphasis on Mexico and Central/South America. It may be taken as a for-credit course or as a continuing education course for no credit.
Prerequisites: graduate standing in the Master of Public Administration program at TAMIU or graduation from a master's degree program from any accredited university; for continuing education, permission of instructor.

PADM 5388 Lead for Perfom in Nonprof Org
This course will cover essentials in recruiting and hiring employees, employee development and evaluating employee performance as these issues particularly relate to nonprofit organizations in order to ensure optimum performance in a nonprofit organization.
Prerequisites: graduate standing in the Master of Public Administration program at TAMIU or graduation from a master's degree program from any accredited university.

PADM 5389 Lead for Perfom in Nonprof Org
This course will cover essentials in recruiting and hiring employees, employee development and evaluating employee performance as these issues particularly relate to nonprofit organizations in order to ensure optimum performance in a nonprofit organization.
Prerequisites: graduate standing in the Master of Public Administration program at TAMIU or graduation from a master's degree program from any accredited university.

PADM 5390 Special Topics in Public Adm
Special topics relevant to public administration. May be repeated for credit when topic changes.

PADM 5395 Project
Individual supervision of a project paper, approved by student's advisor, to be undertaken at or near the end of student's classwork.
Prerequisites: Permission of instructor.

PADM 5396 Internship
Individual supervision of a project paper, approved by student's advisor, to be undertaken at or near the end of student's classwork.
Prerequisites: Permission of instructor.
Public Health (PHLT)

PHLT 2320 Nutrition
This course covers the principles and application of evidence-based nutritional therapy throughout the life span for disease prevention and health promotion with integration of influencing variables of physiological, psychological, cultural, religious, and socioeconomic conditions. This course is 3 hours of theory per week. Prerequisites: BIOL 2301/2101 or BIOL1306/1106 and CHEM 1311/1111 or CHEM 1307/1107 or instructor permission.

PHLT 3301 Introduction to Public Health
This a course that provides an overview and basic principles of public health; including the public health history, system, concepts and tools for measuring health in populations, the relationship between public health and the medical care system, and the role of law and government in public health; includes an introduction to the five core disciplines of public health (Epidemiology, Biostatistics, Environmental Health, Social and Behavioral Health, and Health Policy & Management). Prerequisites: Junior Standing and admission into BSPH program.

PHLT 3302 Writing for Public Health Prof
The purpose of this course is to assist public health professionals develop the skills and techniques required to write reports, articles, and grant proposals. Included are methods to improve efficiency and effectiveness of writing and presenting data; including how to use of graphs and tables. Essentials of how to identify, research and prepare grant proposals will be explored. Prerequisites: Junior Standing and admission into the BSPH program or permission of instructor.

PHLT 3304 Public Health Systems
This course provides an overview of the organization of health care within the context of the public health. There is an emphasis on the political, social, and cultural influences affecting the community. The structure, objectives, and trends of major health and health related programs and systems in the United States will be examined. Prerequisites: Junior Standing and admission into the BSPH program.

PHLT 3306 Emergency Mgt in Publ Health
Provides an overview of disasters and emergencies through the lens of Public Health Professionals. It covers theory and practice of incident command system, role of local, state and federal agencies, surveillance and information systems, risk communications, training and evaluation. Prerequisites: Junior Standing and admission into the BSPH program or permission of instructor.

PHLT 3308 Resrch Methods in Publ Health
Covers the basic concepts of public and community health research, including study designs, human subjects protection, quantitative and qualitative research techniques, and data collection. All concepts will be applied to public health settings and topics. Prerequisites: MATH 1342 and admission into the BSPH program.

PHLT 3310 Environmental&Occupational Hlt
Introduction to the major areas of environmental health presented in the context of epidemiology, toxicology, and health effects. Subjects include water and air quality, solid and liquid waste, hazardous chemicals, radiation, infectious agents, food safety, and occupational health. Prerequisites: Junior Standing and admission into the BSPH program or permission of instructor.

PHLT 3311 Cult Determ of Hlth Behave-WIN
This course explores relationships between cultural phenomena and health behavior. Cultural forces that enhance or reduce the capacity of patients throughout the life span to maintain health are analyzed. This course is interchangeable with NURS 3311. Prerequisites: ENGL 1302 and admissions to BSPH program.

PHLT 3312 Global Health- WIN
The purpose of this course is to examine Global Health problems and challenges within the context of current realities. Looking at health and health care as a basic human right, students will explore health related concepts and trends within a global context. Geopolitical, immigration, socioeconomic conditions, and environmental factors will be analyzed in relation to health and health care delivery. Students will examine multinational corporate activities, the social and health consequences of armed conflict and rapid development, and the ways in which cultural and religious practices and beliefs may influence an individual's health or potential for recovery. This course is interchangeable with NURS 3312. Prerequisites: ENGL 1302 and admissions to BSPH program.

PHLT 3364 Biostats for Public Health
This course will cover application of statistical methodologies, probability, probability distributions, graphical analysis, table construction, and numerical data summary measures, study of rates, life tables, hypothesis testing, correlation and regression and regression analysis, to health data, clinical and biological. Prerequisites: MATH 1342 and admission into the BSPH program.

PHLT 4213 Applied Research Project I
An independent senior applied research course with faculty advisor; subject matter will vary depending upon student’s topic. These takes two semesters to complete. Prerequisites: Senior standing and faculty approval.

PHLT 4214 Applied Research Project II
An independent senior applied research course with faculty advisor; subject matter will vary depending upon student’s topic. These takes two semesters to complete. Prerequisites: Senior standing and faculty approval.

PHLT 4303 Epidemiology
Course that will introduce students to an overview of the science of epidemiology and the role of epidemiology in public health. Subjects include key terms and concepts, calculating rates, epidemiology investigations, methods, and data collection. It will also cover topics on the contribution of genetic risk factors to disease development across populations and social groups. Prerequisites: MATH 1342, and PHLT 3308 or PHLT 3364.

PHLT 4318 Public Health Policy & Advocacy
An introduction to health policy making and advocacy. The course will include the role of genetics and health policy decisions Students will explore factors that shape the United States health care system and policy, such as advocacy, values, models, and stakeholders, and compare them to other countries for international context. Techniques and skills needed for to effective advocacy related to public health policy will be provided. Prerequisites: PHLT 3301 and PHLT 3304.
PHLT 4322 Vulnerable Populations' Health
This course provides students with an overview of health care disparities affecting vulnerable populations from a public health perspective. Health promotion and disease prevention/management needs of select vulnerable populations (gender, sexual identification, race, ethnicity, and disability status) will be examined and evaluated. The interaction of societal expectations and the special health needs and its impact on health care policy decisions will be analyzed.
Prerequisites: Senior standing and admission into the BSPH program or permission of instructor

PHLT 4324 Health & Economics Disparities
Deals with key themes that recur across time and place, and explores global health and development discourse and focuses on using theory and practice in negotiating and interrogating the experience of volunteering as an instance of social change in under-resourced communities. The course is grounded in applied reflection and interdisciplinary social analysis of volunteer and community mobilization efforts in resolving global health and economic disparities. This course may be used for study abroad or away.
Prerequisites: Senior Standing, and faculty approval

PHLT 4329 Prncpls of Public Hlth Infomat
Provide students with a basic understanding of “informatics” and its application in the public health setting. The importance of public health informatics and its role in public health will be examined. Students will be introduced to basic technological tools needed to develop and manage public health data collection systems that meet the analytic needs of public health.
Prerequisites: PHLT 3303 and PHLT 3305 or faculty approval

PHLT 4337 Data Analysis & Management
Study of the skills required to design, organize and implement a data management system in public health applications. The course will provide students with the basic data management and analytical skills necessary for carrying out quantitative analysis and presenting the results to both lay and professional audiences in public health. The basic components of research design required for secondary data analysis will also be covered.
Prerequisites: Junior Standing and PHLT 3308 or PHLT 3364 or faculty approval

PHLT 4415 Community Immersion
A community immersion course designed to provide students the opportunity to synthesize knowledge from other course work to address public/community health problem related to health promotion/disease prevention. Supervised/preceptor clinical in a private or public health-related agencies. This course is 2 hour lecture and 2 hour clinical.
Prerequisites: Senior standing, PHLT 3301, PHLT 3303, and PHLT 3310.

PHLT 4416 Prncpls Public Hlth Edu&Promo
The purpose of this course is to help students understand and implement the responsibilities and competencies of an entry level community health educator. It provides an overview of the theory, organization, role, and structure of community health agencies with an emphasis on health education services. Students will examine concepts of health and wellness, the determinants of health behavior. In addition, students will be provided the opportunity to gain experience in the role of a health care educator. This course is 3 hours of lecture and one hour of lab.
Prerequisites: Senior standing and admissions into the BSPH program

PHLT 4420 Public Health Internship
This internship provides an opportunity for students to work in a collaborative relationship with other members of the community/public health care team. This course is one hour lecture and 3 hour lab.
Prerequisites: Senior standing, PHLT 4415, and faculty approval

Reading (EDRD)

EDRD 3303 Teaching Reading & Lang Arts
This course provides a comprehensive survey of the elementary school reading and language arts instructional program, with an emphasis on the foundations of reading and the language arts as a developmental process. Appropriate methods and materials for the elementary school are examined. Students must have at least an overall grade point average of 2.7 in order to register for this course.
Prerequisites: Admission to the College of Education.

EDRD 3309 Fdn & Strat. Teach Lit EC-12
The course is designed to provide a history of reading instruction and foundational skills for literacy development. This course acquaints students with a variety of reading programs to foster emergent literacy, beginning reading, and content area reading development middle school through high school grades.
Prerequisites: Admitted to and in good standing in the College of Education or department approval.

EDRD 3320 Content Reading-WIN
This course focuses on content reading instruction in grades 4-12. Emphasis on reading strategies and study skills for reading specialized texts. This course is designated as a Writing Intensive (WIN) course where writing will play a central role in the learning process and grades earned on written work will constitute a significant portion of the grade for the course. Sixty percent (60%) or more of the course grade will be devoted to the evaluation of written work, including writing assignments, research projects, and exams. Students must have at least an overall grade point average of 2.75 in order to register for this course.
Prerequisites: Admission to the College of Education and successful completion of EDCI 3301.

EDRD 4303 Spec Top in Sec Reading
The course will focus on the integration of reading and language arts in the content areas to develop general and specialized vocabularies; and reading and language arts skills, including critical thinking, research, and study skills. Also emphasized will be methods for teaching reading and content to diverse school populations, especially ESL students. Students must have at least an overall grade point average of 2.7 in order to register for this course.
Prerequisites: Admission to the College of Education.

EDRD 4305 Rdg Materials Ind Instruction
This course is designed to help the student select, develop, and use appropriate instructional materials and strategies to meet the individual reading needs and learning styles of all children. The course will include a survey of reading curricula and models of reading program organization in the elementary and secondary school. Students must have at least an overall grade point average of 2.75 in order to register for this course.
Prerequisites: Admission to the College of Education, EDRD 3303 and EDRD 3309 or permission of instructor.
EDRD 4311 Classroom Diagnosis and Remediation of Reading Difficulties
This course addresses the characteristics and learning patterns of all children. The focus will be on developing a knowledge of formal and informal classroom reading diagnosis procedures and the design of appropriate research-based, best practice, elementary and middle school setting interventions to remediate reading difficulties.
Prerequisites: Successful completion of EDEL 3362 and EDRD 3303 or EDRD 3309 or EDRD 3320 or permission of instructor.

EDRD 4315 Reading Problems in Middle and High School
This course focuses on the identification of reading problems among the middle school and high school students. Examines a variety of assessment and evaluation strategies and materials that are appropriate for the classroom teacher to utilize. Although both formal and informal procedures are introduced, the main focus is non-intrusive, naturalistic procedures. Reading problems from the developmental perspective and the special learning needs of students who encounter difficulties with reading are examined. Students must have at least an overall grade point average of 2.75 in order to register for this course. This course is not required for reading majors.
Prerequisites: Admission to the College of Education.

EDRD 4317 Teaching English Language Proficiency in Spanish and English
Delivered in Spanish and English, this course examines the interdependence among curricular organization, instructional delivery, and assessment to facilitate the development of English literacy from a foundation in Spanish literacy. Special attention is given to relevant theories which support the use of appropriate instruction and resources to facilitate the literacy needs. Students must have at least an overall grade point average of 2.75 in order to register for this course.
Prerequisites: Admission to the College of Education, oral and written proficiency in Spanish and English, EDCI 3301, EDBE 3325, EDRD 3309 and SPAN 3310.

EDRD 5199 Special Issues in Reading
Course examines timely topics of concern to educators involved in making decisions regarding reading. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDRD 5299 Special Issues in Reading
Course examines timely topics of concern to educators involved in making decisions regarding reading. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDRD 5303 Theoretical Models and Procedures in Reading
Historical perspectives on literacy instruction and literacy research are examined. A variety of reading models are explored with an emphasis on language and cognition, literacy development, comprehension, motivation, current literacy trends, and digital literacies.
Prerequisites: Graduate standing.

EDRD 5305 Content Reading Instruction
The course focuses on foundations of reading instruction, with emphasis on research and its applications regarding reading and learning from different types of texts through the use of various methods, materials, and programmatic schemes, especially those appropriate for secondary school reading programs. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to and in good standing in the College of Education. Candidates enrolled in this course will be required to complete the Youth Mental Health, Substance Abuse, Youth Suicide and Dyslexia Training as required by 19 Texas Administrative Code Section 228.30(c)(2) and (3).
Prerequisites: Graduate standing

EDRD 5309 Theory and Practice of Early Reading Development
The purpose of this course is to provide the student with an in-depth understanding of children's early development in reading and writing. The course will have a field-based component so that students can assess children and design and implement an instructional program integrating the processes of written language. Ongoing assessment will be a key factor of the children's program. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to and in good standing in the College of Education.
Prerequisites: Graduate standing.

EDRD 5313 Design, Implementation, and Evaluation of Reading Programs
This course focuses on methods, materials, and organization of reading programs, with emphasis on the scope and sequence of the total reading program from pre-K through 12th grade. Theories, principles, and strategies for designing and implementing developmentally appropriate reading programs will be reviewed and programs will be evaluated to prepare the Reading Professional to make appropriate instructional decisions. Attention will be given to professional development models and professional ethics.
Prerequisites: Graduate standing.

EDRD 5319 Advanced Diagnostic Reading Difficulties
Students will use formal and informal instruments to diagnose reading problems. Students will review a variety of case studies and develop their own case study throughout the semester as they monitor and assess students with reading difficulties. Students pursuing the Master of Arts in Teaching (MAT) must be admitted to and in good standing in the College of Education. Practicum and Field Hours are required.

EDRD 5321 Practicum in Diagnosis and Remediation of Reading
Students will work closely with Reading Faculty in the administration of diagnostic assessment instruments and procedures. Students will plan and carry out remedial programs and interventions for struggling readers through field classroom-based experiences. Practicum portfolio and field-based experiences required.
Prerequisites: EDRD 5313

EDRD 5323 Individualized Instruction in Reading
Teaching strategies for individualization in reading to provide for the effective use of teacher-made and commercially prepared materials, with attention to the diverse needs of children, are explored. Special emphasis will be given to application of whole language philosophy in reading instruction, student-centered instruction, and authentic assessment techniques. Practicum and supervised field-based experiences required for Reading Specialist Certification.
Prerequisites: EDRD 5313 and EDRD 5319.
EDRD 5324 Professional Preparation Sem
Graduate students will engage in and successfully complete a series of On-line Modules in preparation for the Reading Specialist Certification State Exam. Graduate students will complete practicum Field Clock Hours and will engage in Leadership practices as required involving curriculum and assessment of literacy practices.

EDRD 5399 Special Issues in Reading
Course examines timely topics of concern to educators involved in making decisions regarding reading. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDRD 6301 Teach RDG to Ling Div Pops
This course will examine research and theories relating to the cognitive, affective, social, cultural, and linguistic factors influencing the literacy teaching and learning of linguistically diverse populations.
Prerequisites: Doctoral standing.

EDRD 6303 Curr Trends&Iss in Lit/Bilit
Recent research and development in theories and practices in the field of literacy and biliteracy will be explored and analyzed, as well as critical issues, including current policy and best instructional practice, using findings from psycholinguistic, sociolinguistic and multicultural research on the influence of social, cultural, political, and psycholinguistic factors that affect the development of literacy and biliteracy.
Prerequisites: Doctoral standing.

EDRD 6305 Res on Assessment and Diag R&W
Current research on assessment and diagnosis of reading and writing will be explored and analyzed to identify significant trends and issues in the field. New research hypotheses will be generated. Guidelines for improving current practice in the field of reading assessment and diagnosis will be developed. Program.
Prerequisites: Doctoral classification.

EDRD 6307 Theoretical Foundations of Rdg Seminar for doctoral students to study and critique major theoretical models and processes of reading. Special emphasis will be given to cognitive, constructivist, and socio-linguistic theories. Psychological, linguistic and physical factors related to reading performance will be explored and special attention will be given to consideration of implications for teaching reading across the grades and across the curriculum. Theoretical models of reading, including developmental, interactive-transactional, and affective models, will be reviewed, with an end to the generation of new research hypotheses and the development of paradigms for improving reading instruction of diverse populations.
Prerequisites: Doctoral classification.

Social Studies (SOST)

SOST 4391 Topics in Social Studies
A general survey of social studies that emphasizes content relevant to public school teachers. The primary subject matter of this interdisciplinary course is economics, political science, history, geography, culture and society. This course may not be taken as an elective.

Sociology (SOCI)

SOCI 1301 Intro to Sociology
A scientific approach to the study of the cultural and social basis for human behavior, including the impact of societal groups and organizations on personal identity, feelings and behavior. Topics for special focus include the individual impact of ethnicity, social class, gender, religion, family structure, peer groups, complex organizations, mass media and educational, political and economic systems.
TCCN: SOCI 1301

SOCI 1306 Cont Social Prob&Social Pol
A survey and analysis of the causes and consequences of major social problems in American Society, such as poverty, environmental pollution, domestic violence and substance abuse. An examination of the effectiveness of current social policies being used to address major American social problems.
TCCN: SOCI 1306

SOCI 3301 Research Methods in Social Sci
An introduction to the scientific method as applied to social science research. Topics include research methods, research designs, the analysis of data, and basic computer techniques. This course is interchangeable with CRJ 3301 and PSCI 3301.
Prerequisites: Junior or Senior Standing and consent of COAS Advisor.

SOCI 3302 Social Welfare&Human Service
An introduction to the helping professions with emphasis on human service organizations, and models of social service delivery. Discourse on current controversial issues, social welfare policies and the code of professional ethics.

SOCI 3304 Sociological Theory
The study of how theories are formulated in social science. Overview of classical and contemporary sociological theories including functionalism, conflict theory, symbolic interactionism, phenomenology and postmodern theory.
Prerequisites: SOCI 1301, and three hours of any Sociology course for a total of six credit hours in Sociology.

Second Language Education (EDSL)

EDSL 3325 Srvy Models/Practices in ESL
This course surveys various models of language instruction and English as a second language program types. These models will be explored as they apply to meeting the cultural, linguistic, affective, and cognitive needs of ESL students. ESL classroom practices, materials, and resources will be studied as they relate to different instructional goals.
Prerequisites: EDCI 3302, admitted to and in good standing in the College of Education.

EDSL 4325 Assessment & Instruction ESL
This course introduces different assessments and instructional practices used with ESL students. Diagnostic and formal assessments for the ESL student at various grade levels will be examined. Instructional practices in response to informal assessments will be practiced.
Prerequisites: EDCI 3302, admitted to and in good standing in the College of Education.
SOCI 3307 U.S.-Mexico Border Subcultures
Analysis of Spanish, Mexican, and European American cultural influences upon the development of contemporary U.S.-Mexico border subcultures. The implications of Mexican American and new Mexican immigrant subcultures for education and social service delivery.

SOCI 3308 Latin American Cultures
The study of the impact of Spanish and Portuguese colonization upon the indigenous cultures and political economy of Latin America. Analysis of the development of new cretico Latino cultural forms reflecting Iberian, Native American and African heritage in contemporary Central and South America and the Caribbean. (Cross-listed with ANTH 3308)

SOCI 3310 Sociology of Education
This course will introduce the student to sociological perspectives on the institution of education in societies and the educational organizations which this institution generates. Several sociological-theoretical perspectives will be used to analyze this institution and its consequent organizations. The structure, functions, and processes of education will be reviewed. Different societies will be compared with respect to these. It is anticipated that the student will be able to use sociological theory, research methods, data, and concepts to analyze educational organizations to introduce appropriate interventions, and to evaluate the impact of such interventions. The course should be particularly helpful to individuals expecting to work with, and in, educational organizations. However, it should also be valuable to parents and citizens interested in the importance of education in society, community, and individually. (Formerly SOCI 2310)

SOCI 3316 Urban Sociology
The study of the culture, history, and growth patterns of cities, including current trends toward suburbanization and its environmental impact. Examination of the emergence of cities with global or regional orientations and the impact of the decline of manufacturing and emergence of information and technology on city growth. Consideration of housing, budget and other problems faced by cities. Special emphasis on the growth of twin cities along the U. S.-Mexico border. (Cross-listed with URBS 3316)

SOCI 3336 Criminology
The development of criminological thought; critical evaluation of theories of criminality, the study of criminal organization and socialization; and the extent, type, and sources of crime.

SOCI 4310 Social Inequality
Analysis of theory and research on social inequality, its causes and consequences. Special attention will be given to an examination of poverty in the South Texas region. Prerequisites: Junior standing.

SOCI 4311 Marriages & Families
Analysis of the family as an educational and social institution in light of historical relationships and present-day social economic conditions, including a study of family cohesion, adaptability, satisfaction and conflict. Prerequisites: Junior standing.

SOCI 4316 Social Service Internship
The internship is designed to offer supervised on the job training experiences and career opportunities in various settings in health, education, and human service organizations. The course requires the completion of 160 hours of internship service to an agency approved by the Internship Coordinator and the department chair. Students will apply sociological knowledge in a social service setting, attend class and individual conferences with the Internship Coordinator, produce time sheets, reports and a supervisor's evaluation based on internship performance. Non-Sociology majors may take this course with permission of student's advisor. Students receive a certificate upon successful completion of the Internship. Evaluation of performance in this course is on CR/NC basis. Prerequisites: Junior standing.

SOCI 4317 Race & Ethnic Relations
Critical analysis of the concepts of race and ethnicity and the changing basis for racial and ethnic identity in the multicultural United States. An examination of patterns of dominant-minority relations in the United States as compared to other world societies. An overview of the history and current social conditions of Native Americans, Hispanic Americans, Asian Americans and European Americans. Prerequisites: Junior standing

SOCI 4318 Globalization
This course focuses on developing sensitivity to cultural differences, becoming knowledgeable of global issues, and developing the ability to play significant roles in formulating and recommending solutions to contemporary national, transnational and global problems and concerns. Prerequisites: Junior standing.

SOCI 4320 Women in Criminal Just Syst
Analysis of incidence studies and examination of theories about women's criminality. The study of mass media stereotypes of female offenders and victims; female victimology; issues concerning women who work in police, court, and correctional facilities and criminal justice system processing of women offenders. Interchangeable with CRIJ 4320. Prerequisites: Junior standing.

SOCI 4325 Sociology of Gender Roles
An analysis of the role of biology, cultural socialization, and social institutions in the formulation and maintenance of constructs of masculine and feminine gender in world societies. The study of the social impact of changes in men's and women's roles in postindustrial societies upon the family, the workplace and other major social institutions. The examination of the impact of gender constructs upon familial relationships, spirituality and policy orientations. An evaluation of the positive and negative impact of the women's movement and men's movement upon the status of women and men of different race/ethnicity and social class. (Cross-listed with WGST 4325) Prerequisites: Junior standing.

SOCI 4330 Sociology of Sexualities
This course examines theory and research of human sexualities. It analyses the social, legal and medical changes connected to sexualities and their implications for individual and the family.
SOCI 4370 Medical Sociology
The role of social and cultural factors in the distribution and causes of disease; doctor-patient relationships; beliefs about health, illness, treatment and recovery; access to health institutions and the organization of health care systems.
Prerequisites: Junior standing.

SOCI 4375 Special Studies in Sociology
An intensive examination of special topics of study in sociology. May be repeated for credit if the topic changes. Topics may include, but are not limited to, the Study of Society, Collective Behavior and Social Movements, Comparative Organizations, Sexualities, Environmental Justice, Sociology of Law, Sociology of Religion, Contemporary U.S. Culture, Institutional Care of the Aged, Immigration issues and Demography.
Prerequisites: SOCI 1301 or six hours of Sociology.

SOCI 4380 Senior Proseminar
Designed to consolidate the academic foundations of Sociology with the transition to becoming a professional sociologist. Highlights are: review of the major sociological theories and methods of conducting research, core concepts, communication skills, career development, the code of ethics, job opportunities, and effective assertiveness. This capstone experience, required of all sociology majors, includes weekly seminar meetings with faculty. Prospective graduate students from non-Sociology majors are required to take this course as stem work.
Prerequisites: Senior standing in sociology.

SOCI 4385 Child Maltreatment
This course examines theory and research on child abuse and neglect with a focus on interventions for offenders and victims.
Prerequisites: Junior standing.

SOCI 4390 Domestic Violence
Analysis of theory and research on the prevalence of domestic violence and its patterns and dynamics. An examination of preventative education and interventions for offenders and victims. Special focus will be placed upon multicultural populations.

SOCI 4616 Social Service Internship
The internship is designed to offer supervised on the job training experiences and career opportunities in various settings in health, education, and human service organizations. Students will apply sociological knowledge in a social service setting, attend class and individual conferences with Internship Coordinator, produce time sheets, reports and a supervisor’s evaluation based on internship performance. Non-Sociology majors may take this course with permission of students’ advisor. Students receive a certificate upon successful completion of the Internship. Evaluation of performance in this course is on CR/NC basis.
Prerequisites: Junior standing.

SOCI 5301 Contemp Studies of Soc Probs
This course offers advanced study of various topics in sociology that reflect the needs of students and expertise of the faculty. Topics may include, but are not limited to, sociological theory, research methods, sociological practice, poverty, medical/health, family violence and aging. May be repeated for credit when the topic changes.
Prerequisites: Graduate standing.

SOCI 5303 Seminar in Sociological Theory
Study of the process of formulation of theory. In-depth analysis of the work of classical, contemporary, multicultural and postmodern theorists.
Prerequisites: Graduate standing.

SOCI 5304 Rac, Eth, Soc Class&Gen Ineq
An overview of racial, ethnic, social class and gender theory. Analysis of how race, ethnicity, social class and gender impact on individual life outcomes and group stratification. Social policy issues are examined using qualitative and quantitative data analysis techniques useful for community organizations.
Prerequisites: Graduate Standing.

SOCI 5305 Sociology of Health & Illness
The course is designed to examine and analyze the social antecedents, causes, correlates, and consequences of health, disease, illness, and medicine. It is focused on understanding the nexus between social dimensions and health, disease and illness; and on the application of sociological concepts and perspectives -- including research methodological techniques -- to issues and inquiries pertaining to disease, illness, health, and health care.

SOCI 5306 Sociology of Education
Sociological analysis of the formal and informal sociocultural structures of educational organizations and educational learning theories in light of historical and present-day social conditions.
Prerequisites: Graduate standing.

SOCI 5307 Multicult Domestic Violence
Survey of theory and research on domestic violence in ethnic communities with a focus on Hispanics and new immigrants. Areas addressed will include both dating and intimate partner violence, social policy and coordinated community interventions.

SOCI 5309 Immigration & Biculturalism
The study of the social demography of the new immigration; social dynamics of relations between sending and receiving countries for new immigrants; context of reception of new immigrants in the host country and occupational and economic incorporation; and types of acculturation, assimilation and multiculturalism among the new immigrants.
Prerequisites: Graduate standing.

SOCI 5312 Applications in Social Plan
The study of specific social problems with an assessment of governmental response, availability of relevant social policies and development of skills in writing and submitting proposals.
Prerequisites: Graduate standing.

SOCI 5321 Social Inquiry
An orientation to the scientific study of social phenomena. Topics include the philosophy of science; ethical considerations in human subjects research; measurement; theory-building; reviewing and integrating existing research; research design (experiments, quasi-experimental designs, surveys, non-obtrusive methods, observation); and written and oral presentation of research.
Prerequisites: SOCI 3305, PSCI 3301, or similar undergraduate coursework in social scientific research methods, or consent of instructor.

SOCI 5322 Advanced Quantitative Methods
An advanced course in the practical application of quantitative research methods in social scientific research. Topics include data management using computer software; bivariate and multivariate statistics, including chi-square, correlation, ordinary-least-squares regression, and limited dependent variable models (logit/probit), with an emphasis on computer applications; and presentation of results from quantitative research.
SOCI 5340 Sem in Study of Social Change
Overview of social change theories using a macro-level of analysis; includes an examination of various methodological approaches to assess global stratification.
Prerequisites: Graduate standing.

SOCI 5395 Graduate Research
This course enables graduate students to actively participate in the process of scholarly inquiry. The research topic is chosen by the student with the approval of the supervising professor prior to registration. This course may be repeated but not to exceed 12 semester hours. These hours do not count towards the student's major degree plan.
Prerequisites: Graduate standing, SOCI 5321 or permission of instructor and department chair.

SOCI 5398 Thesis I
This course is designed to be the first step towards the successful completion of a thesis in sociology. Students schedule the coursework in consultation with their thesis committee chair. Evaluation of performance is CR/NC. Students will receive credit for the class when they have a proposal approved by their thesis committee, and the required evidence of progress on a draft. If the grade of NC is received, the student must enroll again for credit.
Prerequisites: Graduate standing, SOCI 5321 or permission of instructor and department chair.

SOCI 5399 Thesis II
This course is designed to be the final step towards the successful completion of a thesis in sociology. Students schedule the coursework in consultation with their thesis committee chair. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of NC is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of 24 SCH, and permission of student's thesis committee chair.

SOCI 5699 Thesis II
This course is designed to be the final step towards the successful completion of a thesis in sociology. Students schedule the coursework in consultation with their thesis committee chair. Evaluation of performance is CR/NC. Students will receive credit for the class when they have successfully written and defended their thesis to their thesis committee. If the grade of NC is received, the student must enroll again for credit.
Prerequisites: Graduate standing, successful completion of 24 SCH, and permission of student's thesis committee chair.

Spanish (SPAN)

SPAN 1311 Intro Spanish for Non-Native I
An oral and written introduction to Spanish for students with no previous knowledge of the language. The course emphasizes the need to acquire an ear for the sound of Spanish and an introduction to the language's grammatical structures. This is the first part of a two-part introduction to Spanish. SPAN 1311 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received 6 SCH of introductory Spanish by having taken either the CLEP exam or AP high school courses.
Prerequisites: Departmental placement exam.
TCCN: SPAN 1411

SPAN 1312 Intro Span for Non-Native II
An oral and written introduction to Spanish for students with no previous knowledge of the language. The course emphasizes the need to acquire an ear for the sound of Spanish and an introduction to the language's grammatical structures. SPAN 1312 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received 6 SCH of introductory Spanish by having taken either the CLEP exam or AP high school courses.
Prerequisites: SPAN 1311 or equivalent course, or departmental placement exam.
TCCN: SPAN 1412

SPAN 1620 Intro Span Non-Native I & II
An intensive beginning Spanish course for non-native speakers. An oral and written introduction to Spanish for students with no previous knowledge of the language. The course emphasizes the need to acquire an ear for the sound of Spanish and an introduction to the language's grammatical structures. This course offers students a one-semester course equivalent to SPAN 1311 and SPAN 1312. SPAN 1620 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received 6 SCH of introductory Spanish by having taken either the CLEP exam or AP high school courses.

SPAN 2307 Intro to Creative Writing
Conducted in Spanish. This introductory course is designed to give students the opportunity to explore their abilities and interests in a variety of genres. The course will emphasize the aesthetic demands of different genres through formal study of required readings and especially through first-hand experience of writing exercises. Students will write in at least two of the following genres: poetry, fiction, drama, screenwriting, and non-fiction.
Prerequisites: Any 2000 level SPAN course, or Spanish proficiency (with consent of the instructor).
SPAN 2311 Inter Span for Non-Native I
Conducted in Spanish. For students who have finished the beginning sequence of SPAN 1311/1312, or who, as a result of testing, demonstrate their readiness for this course. Emphasis includes both the oral and written language. Local Spanish language resources and media are used to help students exploit the linguistic resources of this Hispanic community and develop proficiency in their total use of Spanish. SPAN 2311 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received Spanish credit by having taken the AP exam.
Prerequisites: SPAN 1312, or SPAN 1620, or equivalent course, or departmental placement exam.
TCCN: SPAN 2311

SPAN 2312 Inter Span for Non-Native II
Conducted in Spanish. This course is the last course in a four-course sequence for non-native speakers of Spanish. As students complete their study of the oral and written conventions of Spanish, they are encouraged and prepared to make extensive use of the Hispanic environment which surrounds our University. SPAN 2312 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received Spanish credit by having taken the AP exam.
Prerequisites: SPAN 2311 or equivalent course, or departmental placement exam.
TCCN: SPAN 2312

SPAN 2313 Span Heritage Lang Speak I
Conducted in Spanish. A course for students from an English-Spanish dual language environment who have been exposed to spoken Spanish, but have little or no formal study of the language. A systematic presentation of oral and written conventions in Spanish will be presented along with identification of regional varieties of usage. This is the first part of a two-part introduction to Spanish for Spanish speakers.
Prerequisites: Departmental Placement exam.
TCCN: SPAN 2313

SPAN 2315 Span Heritage Lang Speak II
Conducted in Spanish. This is the second half of a course designed for students from a Hispanic environment who have been exposed to spoken Spanish, but have little or no formal study of the language. A systematic presentation of oral and written conventions in Spanish will be presented along with identification of regional varieties of usage, providing opportunities for expanding proficiency in Spanish for personal and professional use.
Prerequisites: SPAN 2313 or departmental placement exam.
TCCN: SPAN 2315

SPAN 2350 Intro to the Hispanic World
This is an introductory course for students interested in understanding Hispanic culture from general concepts of culture to different art expressions. How does a major geographical area come to be defined as Hispanic? What diverse elements merge together to form an identity? The course will focus on four fundamental elements: FAMILY (organization of the household, gender roles and personal interrelations); ETHNIC DIVERSITY (contributions to culture according to ethnicity); BELIEF SYSTEMS (religions, supernatural and superstitions –including holidays and practices); and ENTERTAINMENT (sports, telenovelas, secular celebrations). Literature, radio, film, music, painting and other art expressions will be used during classes.

SPAN 2351 Intro to Iberian Culture&Civ
This is an introductory course for students interested in understanding Spanish culture from pre-Roman times onwards. It promotes awareness of the cultural, linguistic, and geographic diversity of the Iberian Peninsula with an emphasis on Spain. It analyzes the main periods in Spanish cultural history, with attention to Spain's multicultural origins. Topics may include literature as a reflection of social reality nationalism and identity, contemporary artistic and cinematographic expressions, entertainment, sports, and gastronomy.

SPAN 2620 Inter Span Non-Ntve Spkrs I&II
An intensive intermediate Spanish course for students who have completed the beginning Spanish sequence (SPAN 1311 and SPAN 1312) or who, as a result of testing, demonstrate their readiness for this course. Emphasis includes both the oral and written language. As students complete their study of the oral and written conventions in Spanish, they are encouraged and prepared to make extensive use of the Hispanic environment that surrounds our university. This course offers students a one-semester course equivalent to SPAN 2311 and SPAN 2312. SPAN 2620 will not fulfill the COAS Foreign Language/Study Abroad requirements if a student has already received Spanish credit by having taken the AP exam.

SPAN 2630 Span for Heritage Lang I & II
Conducted in Spanish. A course for students from an English-Spanish dual language environment who have been exposed to spoken Spanish, but have little or no formal study of the language. A systematic presentation of oral and written conventions in Spanish will be presented along with identification of regional varieties of usage. This course offers the student a one-semester course equivalent to SPAN 2313 and 2315, Spanish for Spanish speakers.
Prerequisites: Departmental placement exam.

SPAN 3303 Spanish Language for Bil Teach
Conducted in Spanish. This course is for Bilingual Teachers to develop communicative competence and academic language proficiency in Spanish. A systematic presentation of oral and written conventions in Spanish will be provided along with opportunities for expanding vocabulary, enhancing reading comprehension, and achieving grammatical correctness in Spanish for personal, professional, and academic use.
Prerequisites: SPAN 2313 & 2315 or 2630 or by placement test Spanish Skills Assessment (SSA).

SPAN 3305 Spanish Academic Writing
Conducted in Spanish. Required of all Spanish majors, minors, and students of bilingual education or dual language programs. This course will pay special attention to the various uses of writing to communicate effectively in specific rhetorical situations. Grammatical and mechanical correctness and vocabulary development will be studied within the context of producing clear and effective writing. May be taken concurrently with SPAN 3310.
Prerequisites: SPAN 2312, or SPAN 2315, or SPAN 2620, or SPAN 2630, or by placement test, or consent of instructor.
SPAN 3310 Intro to Literature in Spanish
Conducted in Spanish. Required of all Spanish majors and minors, and students of bilingual education or dual language programs. This course will provide students with a general knowledge of the literature of the Spanish-speaking world, while assisting the development of critical and analytical skills. The genres of poetry, prose and drama will be represented. May be taken concurrently with SPAN 3305.
Prerequisites: SPAN 2312, or SPAN 2315, or SPAN 2620, or SPAN 2630, or by placement test, or consent of instructor.

SPAN 3317 Spanish Linguistics
Conducted in Spanish. This course is designed to give students insight into how the Spanish language functions as a system and why it works that way. The focus of the course will be on practical application of linguistic principles to improve the student’s ability to use and perceive Spanish as an integrated linguistic system. It will present an overall view of Spanish phonology, morphology, and syntax as organized systems, pointing out to students relative correspondences and differences.
Prerequisites: SPAN 2312, or SPAN 2315, or SPAN 2350, or SPAN 3311, or SPAN 2620, or SPAN 2630, or by placement test, or consent of instructor.

SPAN 3321 Stud in Span Lit Before 1700
Conducted in Spanish. A chronological survey from the Jarchas and Poema de Mio Cid to the works of Calderon de la Barca.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 3322 Studies in Span Lit After 1700
Conducted in Spanish. A chronological survey beginning with the Enlightenment and including the romantics, nineteenth-century poetry and drama, the emergence of the Generation of 1898, and literary forms of the twentieth-century.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 3323 Stud in Span Am Lit: Conq-Mod
Conducted in Spanish. A chronological survey beginning with Columbus’s letters, chronicles of the Spanish conquistadors, Cortes’ letters, poetry and prose through Modernism.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 3326 Stud in Span Am Lit: 19th & 20th
Conducted in Spanish. A chronological survey including Modernism and poetry, fiction and prose writings of the twentieth century, with emphasis in the development of the modern prose in Spanish America.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 3350 Intro to Span<Engl Translation
Introduction to theory and practice for written and sight translation from Spanish to English in a variety of text categories. Provides students with the tools to identify, analyze, and resolve translation problems of short texts, while developing practical translation skills. Proficiency in English and Spanish is required. This course is interchangeable with TRAN 3350.
Prerequisites: ENGL 1302 and any SPAN 2000-level course, or consent of instructor.

SPAN 3351 Intro to Engl-Span Translation
Introduction to theory and practice for written and sight translation from English to Spanish in a variety of text categories. Provides students with the tools to identify, analyze, and resolve basic translation problems of short texts, while developing practical translation skills. Proficiency in English and Spanish is required. This course is interchangeable with TRAN 3351.
Prerequisites: ENGL 1302 and any SPAN 2000-level course, or consent of instructor.

SPAN 3390 Span Lang&Cult for Professions
Designed for students who are interested in studying Spanish in the context of activities related to the professional world. This course will focus on domestic and international issues related to business and commerce, education, law enforcement, medicine, and social services and includes topics related to cultural considerations, generalized and specific professional concerns, correspondence, and translation.
Conducted in Spanish.
Prerequisites: Any 2000-level SPAN course, or consent of instructor.

SPAN 4300 Contemp Span Am Soc in Lit
This course examines the relationship between art and the political, historical, and social realities of the Spanish American society through fiction written by some of its most distinguished writers such as Garcia Marquez, Allende, Vargas Llosa, Borges, Castellanos, Octavio Paz, Carlos Fuentes, etc.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4301 18th & 19th Cent Spanish Lit
Conducted in Spanish. Studies literary production from 1700-1898 covering poetry, drama, and prose. This course may focus on genre, literary movement, specific authors or literary generations. Course may be repeated twice for credit if topic changes.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4302 20th Century Spanish Prose
Conducted in Spanish. Studies prose production from 1898 to the present covering essay, novel, and short story. This course may focus on specific literary movements, authors, or literary generations. Course may be repeated for twice for credit when topic changes.
Prerequisites: SPAN 3305 or SPAN 3310, or consent of instructor.

SPAN 4303 The Spanish American Novel
Conducted in Spanish. A study of Spanish America’s most widely acclaimed genre. Students will examine representative works of the older generation of novelists, including Sarmiento and Gairalde, Gallegos and Rivera, as well as more modern writers such as Carpenter, Cortzar, Asturias, Vargas Llosa, Fuentes, Rifo, and Garcia Marquez. The novels’ historical, social, cultural and intellectual ambience will form an integral part of the course.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4304 The Generation of 1898
Conducted in Spanish. The Generation and its influence upon the growth and development of Spanish thought.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4305 Mod Span Lit: Drama & Poetry
Conducted in Spanish. The study of two major genres of modern Spanish literature, works of interest to a student planning graduate work in literature and to one interested in the intellectual and artistic life of modern Spain. The topic will be determined each time the course offered, mindful of the needs of both students and faculty. Topics include: Drama: Benavente, Garcia Lorca, Calvo Sotelo, Bueno Vallejo, Sastre, Valle-Inclán. Poetry: Machado, Juan Ramón Jiménez, and Garcia Lorca and his generation. May be repeated once when topic changes.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.
SPAN 4306 Colonial Spanish American Lit
Conducted in Spanish. Study of the Spanish American literature written from the colonial period to the years of the independence declared by the colonies. The course considers literature as well as the social and historical contexts.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4307 Span Am Lit: Poetry&ShortStory
Conducted in Spanish. The study of two major genres of Spanish American literature, works of interest both to students of modern Spanish American culture and to those planning graduate work in Spanish. The topic will be determined each time the course is offered, mindful of needs of both students and faculty. Works studied will include: Poetry: Darío, Neruda, Vallejo, Borges Short story: Cortázar, Rufio, García Márquez, Borges. May be repeated once when topic changes. May be repeated once when topic changes.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4308 Cervantes & Don Quijote
Conducted in Spanish. An introduction to and careful reading of Cervantes' classic, a work which represents the origin of the modern novel and remains the fundamental book of Hispanic culture. The course will focus upon the text of Don Quijote, studied in the social, cultural and intellectual context of the late sixteenth and early seventeenth centuries.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4309 Mexican Literature
Conducted in Spanish. This course will focus on a specific time period, literary movement, genre, or major author in Mexican literature. Topics may vary. May be repeated once when topic changes.
Prerequisites: SPAN 3305 or SPAN 3310, or consent of instructor.

SPAN 4311 Probs in Teaching of Span
Conducted in Spanish. Study of the linguistic principles, methodological theories, and classroom techniques conducive to effective and efficient teaching of Spanish as a native or second language. Recommended for prospective teachers.
Prerequisites: SPAN 3305, or consent of instructor.

SPAN 4312 History of Spanish Language
Conducted in Spanish. This course is an introduction to the history and development of the Spanish language from its origins to the present day. Topics may include: Spanish in relation to Latin and other Romance languages; basic principles of language change; analysis of the stages of the evolution of Spanish since the Ancient Latin period taking into account influences of other cultures and languages; and analysis of American Spanish and Peninsular Spanish.
Prerequisites: SPAN 3305, or consent of instructor.

SPAN 4314 Spanish Literature Before 1500
Conducted in Spanish. Will feature selected studies of the complete versions of major Spanish medieval texts including El Cid, El Conde Lucanor, El libro de Buen Amor and the Celestina.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4315 Spanish Lit of the Golden Age
Conducted in Spanish. Will feature selected authorial, generic or thematic studies of the complete versions of major Spanish Golden Age texts, featuring the picaresque and exemplary novels, the Romancero, Baroque poetry, and the drama of Lope de Vega, Tirso de Molina and Cánder de la Barca.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4316 Studies in Language
A special topics seminar in some aspect of the study of language. The course may focus on a special problem in linguistics, heritage languages, second language acquisition, history of the language, literacy, the teaching of the language or language policy and implementation. May be repeated for credit twice when topic changes.
Prerequisites: SPAN 3303, or SPAN 3305, or consent of instructor.

SPAN 4317 Hispanic Folklore
Conducted in Spanish. A survey of Hispanic folklore. Examination of the principal genres of folklore as found in Spain, Spanish America and the Hispanic Southwest.
Prerequisites: SPAN 3305, or consent of instructor.

SPAN 4320 Span Am Lit: 20th Century
An introduction to the major literary expressions of Spanish America during the XX Century, in which selected works of novel, short story, poetry and drama will be studied. Students will read and examine representative works of authors such as Rivera, Bombal, Vargas Llosa, García Márquez, Borges, Cortázar, Bosch, Neruda, Guillén, Burgos, Dragún, Buenaventura. Conducted in Spanish.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4330 Special Topics in Latin American Lit & Cult
Conducted in Spanish. This course may focus on selected author, historical periods, literary movements, genres, themes or cultural issues in the Spanish literature. Course may also cover any aspect of Spanish culture or Transatlantic approaches to Hispanic cultural production other than literature including but not limited to film, folklore, music, popular culture, visual culture, etc. in any time period. May be repeated for credit once when topic changes.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4335 Special Top in Hisp Lit & Cult
Conducted in Spanish. This course may focus on selected author, historical periods, literary movements, genres, themes or cultural issues in the Transatlantic approaches to Hispanic culture and literature. Course covers productions from literature to film, journalism, music, popular culture, visual culture, etc. in any time period. May be repeated for credit once when topic changes.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4340 Special Topics in Span Am Lit
Conducted in Spanish. This course may focus on selected author, historical periods, literary movements, genres, themes or cultural issues in Spanish American literature. Course may also cover any aspect of Spanish American Culture or Transatlantic approaches to Hispanic cultural production other than literature including but not limited to film, folklore, music, popular culture, visual culture, etc. in any time period. May be repeated for credit once when topic changes.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4341 History of Spanish American Literature
Conducted in Spanish. This course is an introduction to the major literary expressions of Spanish America during the XX Century, in which selected works of novel, short story, poetry and drama will be studied. Students will read and examine representative works of authors such as Rivera, Bombal, Vargas Llosa, García Márquez, Borges, Cortázar, Bosch, Neruda, Guillén, Burgos, Dragún, Buenaventura. Conducted in Spanish.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4345 Special Topics in Latin American Lit & Cult
Conducted in Spanish. This course may focus on selected author, historical periods, literary movements, genres, themes or cultural issues in Latin American literature. Course may also cover any aspect of Latin American Culture or Transatlantic approaches to Latin American cultural production other than literature including but not limited to film, folklore, music, popular culture, visual culture, etc. in any time period. May be repeated for credit once when topic changes.
Prerequisites: SPAN 3305 and SPAN 3310, or consent of instructor.

SPAN 4356 Intermediate Span>Engl Trans
A continuation of the theory and practice of translation from Spanish to English, including consideration of cultural and morpho-syntactical problems. Students learn to apply translation techniques and strategies to resolve language-specific translation problems, while practicing the translation of longer texts in a variety of categories that may include the areas of literature, healthcare, and the law. Proficiency in English and Spanish is required. This course is interchangeable with TRAN 4360.
Prerequisites: SPAN 3305, or TRAN 3350, or SPAN 3351, or TRAN 3351.
**SPAN 4361 Intermediate Engl-Span Trans**
A continuation of the theory and practice of translation from English to Spanish, including consideration of cultural and morpho-syntactical problems. Students learn to apply translation techniques and strategies to resolve language-specific translation problems, while practicing the translation of longer texts in a variety of categories that may include literature, healthcare, and the law. Proficiency in English and Spanish is required. This course is interchangeable with TRAN 4361.
Prerequisites: SPAN 3350, or TRAN 3350, or SPAN 3351, or TRAN 3351.

**SPAN 4371 Hispanic Culture**
This course provides contemporary perspectives on Hispanic cultures in an approach to understanding the Hispanic world, its customs, attitudes, and values as they relate to intercultural communication. Students will achieve familiarity with the major Hispanic figures in history, the arts, political events, and social and religious institutions.
Prerequisites: Any 2000-level SPAN course, or consent of instructor.

**SPAN 4373 Undergraduate Research**
A course adapted to the directed study of topics in Spanish. Advanced students will develop a project in cooperation with an instructor. The project will be established by the student with the approval of the instructor prior to registration. The course may be repeated with a change in project, but total credit cannot exceed eight semester hours.
Prerequisites: Permission of the instructor.

**SPAN 4390 Span for Professional Purposes**
Conducted in Spanish. This course is designed to help students become more proficient in communicating in Spanish about different professions or fields of study. The course introduces specialized vocabulary and technical writing necessary to function in many areas of the professional world.
Prerequisites: SPAN 3305, or consent of instructor.

**SPAN 4397 International Service Learning**
This course seeks to engage students in activities that combine both academic learning and community service in a foreign country. Students participate in an organized service activity that meets identified community needs. Students are required to reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility. Final service projects must be presented to a broad audience. May be combined with Study Abroad and may be conducted in English, Spanish or Portuguese. Faculty supervisor required.
Prerequisites: Consent of instructor.

**SPAN 4398 Creative Writing**
Conducted in Spanish. This course explores current theory and creative writing techniques through the study of required readings and the application of techniques in students’ own work. Genres covered will regularly include poetry, fiction, and screenwriting, with drama, children’s literature, non-fiction and other genres offered occasionally. This course may be repeated for credit but no more than twice in the same genre.
Prerequisites: Any 2000-level SPAN course, or SPAN 3305, or Spanish proficiency (with consent of instructor).

**SPAN 4399 Senior Seminar**
The senior seminar is a special topics capstone course required of all Spanish majors. Course readings, class discussions, and papers will focus on a highly defined issue in the study of literature or language. All senior seminars, however, will require that students develop and demonstrate command of the research process and superior writing skills. Attention will also be paid to professional post-collegiate issues of relevance to Spanish majors.
Prerequisites: SPAN 3305 and SPAN 3310 and Senior Standing and at least 18 semester credit hours completed in SPAN courses.

**SPAN 5302 Problems in Teaching Spanish**
This course focuses on teaching methods, composition theory, and related topics and is directed primarily toward students interested in entering the teaching profession upon earning the M.A. in Language, Literature, and Translation.
Prerequisites: Graduate Standing

**SPAN 5304 Studies in Spanish Language**
A special topics seminar in some aspects of the study of the Spanish language. The course may focus on a special problem in linguistics, second language acquisition, language policy and implementation, literacy or the teaching of the language.
Prerequisites: Graduate standing

**SPAN 5308 Seminar in Hispanic Amer. Lit**
An in-depth study of a theme, an idea, a literary type, a period or school of literature, or a particular writer in Hispanic American Literature. May be repeated when topic changes.
Prerequisites: Graduate Standing

**SPAN 5311 Seminar in Spanish Literature**
An in-depth study of a theme, an idea, a literary type, a period or school of literature, or a particular writer of Spanish literature. May be repeated when topic changes.
Prerequisites: Graduate standing

**SPAN 5348 Seminar in Span Lit and Lang**
An in-depth study of a special problem in Spanish language and/or literature.
Prerequisites: Graduate standing

**SPAN 5349 Maj Writ in Span&Their Milieu**
An in-depth study of one or more writers in Spanish in the historical and cultural contexts in which they write. May be repeated when the topic changes.
Prerequisites: Graduate standing

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**Special Education (EDSE)**

**EDSE 3210 Int Tching through Arts & PE**
This course examines the theories and practices of arts integration, multicultural education, art and culture in community, and arts disciplines, including music, visual art, poetry, storytelling, drama, and physical movement. Candidates will learn effective teaching strategies to address the needs of all diverse learners through integrating arts and PE into the curriculum areas of mathematics, social studies, science and language arts and reading.
Prerequisites: Admitted to and in good standing in the College of Education or department approval.
EDSE 3305 Intro to Special Education
This course provides an introduction to the field of special education including current knowledge on individuals with all types of exceptionalities. Emphasis is placed on historical factors, legislation, litigation, advocacy, etiology, characteristics, needs, educational strategies, including existing and emerging technologies, assessment, and support services of/for individuals with disabilities. Course addresses the collaborative roles of parents and schools within a multidisciplinary approach to supporting individuals with disabilities in a diverse society.

EDSE 3310 High Incidence Disabilities
This course focuses on the characteristics and academic, social and behavioral needs of students with mild OR high incidence disabilities. Emphasis is placed on evidence-based methods for designing, adapting and delivering instruction to students with high incidence disabilities in a variety of settings.

EDSE 3315 Low Incidence Disabilities
This course focuses on the characteristics and academic, social and behavioral needs of students with low incidence disabilities. Emphasis is placed on evidence-based methods for designing, adapting and delivering instruction to students with low incidence disabilities in a variety of settings.

EDSE 3320 Measurement & Eval for Spe Ed
This course focuses on assessment principles and non-discriminatory evaluation procedures used in special education including, statistical concepts, formal and informal measures, and testing instruments used in assessing academics, behavior, intelligence and adaptive behavior. Includes the interpretation of assessment results for educational interventions.
Prerequisites: Admitted to and in good standing in the College of Education or department approval.

EDSE 3324 Inclusive Practices Young Child
A survey of information regarding children with special needs including possible causes and characteristics of exceptionalities, inclusive practices, intervention strategies, available resources, and the advocacy role. Emphasis will be placed on working with families and specialists.

EDSE 3325 Management of Special Ed Class
Investigates classroom and behavior management strategies pertaining to special education classrooms. Includes legal implications involving applied behavior analysis and other management issues. A grade point average of 2.75 is required to enroll in this course.
Prerequisites: Admission to the College of Education.

EDSE 4199 Issues in Special Education
This course examines current topics in the field of special education. May be repeated once when topic changes. To be taken as a capstone course by Special Education majors.
Prerequisites: Admission to the College of Education.

EDSE 4299 Issues in Special Education
This course examines current topics in the field of special education. May be repeated once when topic changes. To be taken as a capstone course by Special Education majors.
Prerequisites: Admission to the College of Education.

EDSE 4315 Adapting the Curr for Spec Ed
This course examines the various approaches to teaching and adapting mathematics, science, language arts, and social studies to children with special needs. Special attention will be given to writing behavioral objectives and IEPs based on TEKS. Admission to the College of Education, 2.75 overall grade point average required to enroll in this course.
Prerequisites: EDSE 3310 and EDSE 3315 (may be taken concurrently), or permission of advisor.

EDSE 4330 Special Ed Law & Procedures
Examine the basic principles of IDEA and special education laws with emphasis on IEP requirements; legal and educational terminology and definitions for students with exceptionalities; cases and trends in special education law with case analyses; exploration of the historical, philosophical, and ethical perspectives of diversity and its impact on the educational services for students with special needs.
Prerequisites: Admitted to and in good standing in the College of Education or department approval.

EDSE 4350 Inc Pract Ch & Yth W/Disabilities
This course focuses on the characteristics of children and youth with disabilities. Emphasis is on federal and state legislation, case law, consultative teaching, inclusive practices, and assessment to determine effective interventions, and differentiation of instruction.

EDSE 4360 Tch Children W/Challenging Behaviors
This course focuses on the role of the teacher in meeting the special needs of children with challenging behaviors. Special attention will be given to behavioral management techniques and inclusionary practices.
Prerequisites: Admitted to and in good standing in the College of Education or department approval.

EDSE 4399 Issues in Special Education
This course examines current topics in the field of special education. May be repeated once when topic changes. To be taken as a capstone course by Special Education majors.
Prerequisites: Admission to the College of Education.

EDSE 5190 Special Issues in Special Ed
This course will examine timely topics of concern to educators involved in making decisions regarding special education. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDSE 5290 Special Issues in Special Ed
This course will examine timely topics of concern to educators involved in making decisions regarding special education. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.

EDSE 5305 Teach Diverse & Exceptional Learner
A survey of special education as seen from the perspective of normal psychomotor, cognitive, social, and behavioral norms with the focus on a basic overview of the federally determined categories of disabling conditions. Also includes an overview of the national legislation, litigation and advocacy trends; the Texas Rules and Regulations for Special Education; as well as research in the field.
Prerequisites: Admission to the College of Education.
EDSE 5307 Evid-Based Prac for Stu w/Dis
This course provides students with an overview of special education eligibility categories and the need for Evidence-based Practice when teaching students with identified disabilities. The course will emphasize skills needed to determine when a teaching strategy qualifies as an Evidence-Based practice, and will present teaching strategies that are currently validated.

EDSE 5309 Spe Ed Law&Ethical Resp
This course provides an overview of disability legislation with an emphasis on the Individuals with Disabilities Education Improvement Act, SECT. 504 of the Rehabilitation Act, and the Americans with Disabilities Act. The Individual Education Plans and Family Service Plans will be examined in response to legislative procedural requirements, and ethical guidelines for substantive requirements will be addressed.

EDSE 5310 Survey of Mild Disabilities
Focus will be on legal issues relating to mild disabilities. Research topics in specified Supreme Court cases will be required. Important aspects of IDEA will be discussed. The educational focus will be on inclusion within the mainstream program, and cooperative service programs involving regular and special education teachers, consultative teaching, and content mastery programs.

EDSE 5311 Iss in Dis throughout Lifespan
This course provides an introduction to the culture of disability across the lifespan. The impact of disabilities on an individual across the lifespan will be explored, and the unique culture that is created by having a disability will be addressed. Examines characteristics of children with major biological risk conditions and disabilities, birth-six, with a focus on the impact of these conditions on development; addresses elementary years of the student and impact on the student’s family, and addresses career development and employment of individuals with disabilities. Attention will be placed on determining job options, job development, self-determination and person-centered planning.

EDSE 5315 Survey of Mod, Sev&Pro Dis
Focus will be on legal issues relating to moderate, severe and profound disabilities. Research topics in specified Supreme Court case will be required. Important aspects of IDEA will be discussed. The educational focus will be on resource room and self-contained programs as well as special schools, hospitals or other long-term program.

EDSE 5320 Measurement&Evaluation
This course emphasizes application of standardized, teacher-made, and special tests concepts. Each student will develop a broad knowledge base of tests used in all areas in the assessment of students demonstrating disabling conditions, and developing instructional modifications and adaptations based on assessments. Emphasis will also be placed on factors involved in multicultural, multi-ethnic assessment. May be taken concurrently with EDSE 5330 and EDSE 5340. Prerequisites: Graduate standing.

EDSE 5325 Clsrm&Beh Mang Exctp Child
Each student will demonstrate mastery of major concepts and techniques of effective classroom and behavior management of exceptional students experiencing academic and/or behavioral difficulties. Prerequisites: Graduate standing.

EDSE 5330 Acad Achievement Assessment
Each student will experience performance-based training in the administration, scoring and interpretation of the basic, individually administered academic achievement assessment procedures currently in use in the public schools, such as the Wide Range Achievement Test, Woodcock-Johnson Achievement Tests, Key Math, Peabody Individual Achievement Test, and other selected achievement tests when appropriate. May be taken concurrently with EDSE 5320. Candidates enrolled in this course will complete Youth Mental Health, Substance Abuse, Youth Suicide, and Dyslexia Trainings as required by 19 Texas Administrative Code Section 228.30(c)(2) and (3). Prerequisites: EDSE 5305, EDSE 5320, and admission in the Educational Diagnostician Program.

EDSE 5340 Psychometrics
This course includes performance-based training in major individual intelligence or ability tests, that is the Stanford-Binet, Wechsler scales, and other selected individual intelligence scales. Each student will master the administrative techniques for each test, administer each test to a specific number of students, score, and interpret the results. Bilingual students will also master the Spanish versions when appropriate. May be taken concurrently with EDSE 5320. Candidates enrolled in this course will complete Youth Mental Health, Substance Abuse, Youth Suicide and Dyslexia Training as required by 19 Texas Administrative Code Section 228.30(c)(2) and (3). Prerequisites: EDSE 5305, EDSE 5320, and admission in the Educational Diagnostician Program.

EDSE 5345 Pract Educational Diagnostics
This course requires the satisfactory completion of a 160 clock hour practicum experience under the direction of a practicing educational diagnostician and supervision by a University professor. Participants will work in the field of diagnostics with the administration, scoring and interpreting test instruments and procedures. The practicum student will also be expected to complete a site-based project designed in cooperation with the diagnostician mentor and university supervisor. Prerequisites: Completion of at least 27 hours of the required coursework for the master’s program.

EDSE 5350 Assessment for Diag&Inter
This course will provide the student with an overview of diagnostic assessment instruments to identify students with disabilities. The course will also address assessment instruments for designing individualized interventions as well as general trends and issues in the field. Candidates enrolled in this course will complete the Educational Diagnostician Texas Examination of Educator Standards.

EDSE 5360 Essential Behavior Principles
Introduces graduate students to the basic principles of behavior analysis. Everyday behavior is examined as a part of the natural world and behavior change is explained by principles derived from scientific research. Course content includes principles and procedures of reinforcement, extinction, differential reinforcement, punishment, discrimination and generalization training, shaping, fading, and programming. Classical conditioning, conditional reinforcement, schedules of reinforcement, behavioral definitions, reliability and validity, and direct observation are also addressed.
EDSE 5361 Analytic Tech App Beh Analysis
This is the second course of a graduate-level course sequence. These courses cover academic content required to take the Behavior Analysis Certification Board Examination. This course covers more advanced behavioral principal and provides an in-depth review of applied behavior analytic techniques. It covers BACB exam task areas including conducting behavioral assessments, designing effective behavior change programs, and applying behavioral procedures consonant with ethical standards. Students will learn to apply behavior analytic principles toward the improvement of socially significant behaviors in a wide range of settings as well as to evaluate the effects of behavioral procedures.
Prerequisites: EDSE 5235 and EDSE 5360.

EDSE 5362 Research&App Beh Analysis
This course is the third in a sequence for graduate students leading to a Certificate in Behavior Analysis. It features the use of the scientific method in evaluating assessment and intervention techniques in behavior analysis. Topics include critical analysis of research reports as consumers, measurement techniques, single-subject experimental design, selection of dependent and independent variables, graphical presentation and evaluation of results, and ethics pertaining to human subjects. Principles and procedures involved in the experimental analysis of reinforcement schedules, stimulus control, and stimulus equivalence are included. The sequence fulfills minimum academic requirements of the Behavior Analysis Certification Board.
Prerequisites: EDSE 5325, EDSE 5360 and EDSE 5361

EDSE 5363 Ethical, Legal&Prof Iss
This course is designed to be an introduction to the basic ethical and legal issues involved in the delivery of behavioral interventions with human populations. The course focuses on federal and state legislation, litigation, policies and guidelines of ethical practice of professionals. The format involves reading articles and chapters in a variety of topic areas including the BACB Guidelines for Responsible conduct and answering study questions specific to the content of the areas where the ethical situations are very, very clear.
Prerequisites: EDSE 5325, EDSE 5360, EDSE 5361 and EDSE 5362.

EDSE 5364 Coll&Cons in Ed Settings
This course is designed to develop the knowledge and skills needed to effectively collaborate and consult with families, school personnel and community members in educational settings. Other topics include team membership, co-teaching, supervision of paraprofessionals, partnerships with families and development of interagency agreements to address the needs of individuals with disabilities.

EDSE 5365 Spec Ed Grad Pract
This course requires the satisfactory completion of a field experience under the direction and supervision of a University professor and other appropriate personnel specific to the practicum focus. Participants will identify one of the following concentration areas: 1. Autism: under the direction of special education professor. 2. Emotional Disturbance: under the direction of special education professor. 3. Applied Behavior Analysis: under the direction of special education professor and certified applied behavior analyst. Students selecting option 3 may repeat the practicum course multiple times to acquire required practicum hours for BCBA certification.

EDSE 5370 Intro Evid Inter Autism
This course provides an introduction to the causes and diagnosis of autism, scientific validation, applied behavior analysis, and ethical treatment. Students also learn to write functional objectives, plan positive reinforcement, and design an applied measurement system in the context of developing individualized Family Service Plans and Individualized Education Plans. The issue of culturally appropriate interventions is addressed.
Prerequisites: EDSE 5325

EDSE 5371 Teach Positive Beh Sup Autism
The focus of this course is the design of educational environments that maximize learning. This course covers the application of specific behavioral teaching procedures, including prompting, reinforcement, shaping, chaining, error correction and generalization methods, and the development of instructional plans. Emphasis is placed on function-based interventions to teach communication, social, self-help and pre-academic skills. Application of such methods in inclusive classroom settings is also considered.
Prerequisites: EDSE 5325 and EDSE 5370

EDSE 5372 Intervent Prog Mod Autism
This course covers how educational environments can be designed to maximize learning. Different models of effective, evidence-based behavioral interventions and teaching are analyzed. The use of teaching activity schedules and staff training to build supportive educational settings is also covered.
Prerequisites: EDSE 5325, EDSE 5370 and EDSE 5371

EDSE 5373 Iss Ed Behav Treat Autism
This course provides advanced students with an overview of the legal, ethical and current issues in the education of students with Autism. Topics include fad cures, inclusion, preparing in-home trainers, litigation and the right to appropriate education. This course has been designed to provide advanced students and professionals with an overview of important current issues in the education and behavioral treatment of autism. A majority of the information presented and discussed falls under the umbrella of research based teaching intervention.
Prerequisites: EDSE 5325, EDSE 5370, EDSE 5371 and EDSE 5372.

EDSE 5374 Consult&Colla Autism Spec
This course is designed to develop the knowledge and skills needed to effectively work with faculty, administrators, students, para-educators, families and community members in a consultative and collaborative setting. The course focuses on the applications of collaboration related to consultation, team membership, co-teaching, partnership with families and developing interagency agreements to address the need of individual with autism. In addition, this course focuses on current practices in collaboration used in program planning, and implementation for students receiving special education services.
Prerequisites: EDSE 5325, EDSE 5370, EDSE 5371, EDSE 5372, and EDSE 5373.

EDSE 5390 Special Issues in Special Ed
This course will examine timely topics of concern to educators involved in making decisions regarding special education. May be repeated once when topic changes.
Prerequisites: Graduate standing and permission of instructor.
EDSE 5398 Research Design
This course introduces single subject design, qualitative and quantitative research methods and statistical software applications in the field of Special Education. Students will complete a proposal for a thesis in this course.
Prerequisites: Approval of major advisor.

EDSE 5399 Thesis
This course will provide students with opportunities and support for the satisfactory completion and defense of the Thesis. Grades awarded are P for pass and IP for in progress. If a grade of IP is received, students must enroll continuously until successful completion and defense. Failure to do so will result in a grade change from IP to F after one semester.
Prerequisites: EDSE 5398 or EDGR 5320.

Statistics (STAT)

STAT 5300 Categorical Data Analysis
In this course students will be exposed to statistically significant techniques beyond those of linear regression. Topics to be covered include the Generalized Likelihood Ratio test, theory of a generalized linear model, Poisson regression, logistic regression, and analysis of data on a more categorical basis among others. Crosslisted with DS 5300.

STAT 5305 Applied Data Analysis
Concepts related to the theory and application of analysis of significance in data samples, probabilistic inference, expectation, hypothesis testing, and other statistical analysis methods.

STAT 5306 Generalized Lin Mdl ws Apps
In a broader statistical context, simple discrete statistical modeling does not suffice. To accommodate the analysis of mixed discrete and continuous models and other more general samples, this course implements generalized linear models. This is an extension on linear regression analysis.

STAT 5310 Stat Methods for Clin Trials
This course is designed around the design of data collection and analysis related to experiments conducted in a clinical setting. Approaches towards minimizing bias in sampling and category responses are emphasized.

STAT 5322 Theory of Sampling & Surveys
This course will cover the theory and application of methods geared towards sample intake and survey conduct. Topics include simple random sampling, proportion estimates, regression estimation, cluster sampling, multistage design, and more

STAT 5327 Compt Mthds in Stat
This course will focus on statistically significant computing methods, such as the R programming language, and the implementation of models relevant to such studies.

STAT 5328 Reg & App Time Series Mdl
This course focuses on the study of data correlated over a certain period of time. The correlation of such data can be analyzed using various tools including ARIMA models, suitability estimates, forecast predictions, smoothing methods, cross correlation, lagged regressions, use of time series variables, intervention analysis, longitudinal analysis, multivariate time series, and frequency domain analysis to name a few.

STAT 5329 Anlys of Var in Expt Dsgn Mdl
Experimental data can be correlated via an analysis of the variances related to the data, with a statistically significantly large enough sample. This course focuses on the use of ANOVA methodology to encourage proper model selection for statistical analysis in a laboratory setting.

STAT 5340 Quality Control & Improvement
This course is designed for the study of the theory and application of statistical methods in order to assess the integrity of statistically analyzable processes (like mass production). Methods to increase quality management and productivity while considering variables, attributes, various analysis methodologies, sampling, graphing, model selection, and others will be studied.

STAT 5341 Applied Multivariate Analysis
This course covers the study of more sparsely correlated data. Among the topics are the theory and application of advanced testing of correlations and analysis of varied aggregate data techniques such as cluster and discriminant analysis. Factor analysis is covered in detail, as is graphical display of multivariate data, sample correlations, inference, conditional distribution and partial correlation, principal component analysis, and multivariate analysis of variance.

STAT 5387 Stat Mdl for Spatial Data
This course will cover the linear and general linear regression models with respect to smoothing and in the context of large correlated samples taken over multi-dimensional regions. Some programming experience is recommended for proper implementation of the models and samples to be discussed.

STAT 5390 Case Seminar in App Stats
The student, guided by a chosen faculty member(s), will prepare a project related to statistics and applied mathematics. The student then presents the results in a seminar during the student’s final semester that usually lasts 75 minutes followed by a short Q&A session. This replaces the comprehensive examination requirement. Students must exhibit a working knowledge of two useful computer languages or data analysis software packages.

Systems Engineering (SENG)

SENG 3300 Engineering Economics
Principles of engineering economics including economic equivalence, time value of money; analysis of single and multiple investments, comparison of alternatives; capital recovery and tax implications; certainty; uncertainty; risk analysis; public sector analysis and break-even concepts. Interchangeable with ENGR 3300.
Prerequisites: MATH 2414.

SENG 3301 Engr Proj Mgt & Proposals
Principles of project management; planning, scheduling, and control. Engineering proposals; technical reports. Students prepare proposals, including specifications, timelines, schedule, and budget, for projects to be implemented in SENG 4390. This course should be taken the semester preceding SENG 4390.
Prerequisites: ENGL 2311 and senior standing.
SENG 3310 Intro to Control Systems
Analysis and synthesis of controlled, dynamic, linear mechanical, electrical, fluid and/or thermal systems; introduction to concepts of stability, controllability, and observability. Optimal control systems and nonlinear control theory.
Prerequisites: ENGR 2305, MATH 3310, MATH 3330, COSC 1336 and COSC 1136.

SENG 3320 Engineering Modeling & Design
This course will cover the fundamentals of modeling and design, introduce students to engineering design criteria such as human factors and ergonomics, maintainability, and reliability. The course will also introduce students to project management topics such as project scheduling, schedule reduction, design and project selection models, and multi-criteria decision making. Contemporary case studies of failures in modeling and design will be analyzed to identify lessons learned.
Prerequisites: Junior Standing.

SENG 3330 Operations Research I
Introduction to the fundamental deterministic analytical methods and their applications to the industrial and systems engineering. Modeling and decision making. Methods include linear programming, the simplex method, integer programming, distribution and network models (transportation, transshipment, and assignment problems), nonlinear programming, queuing analysis, simulation, and forecasting.
Prerequisites: MATH 3310 and SENG 3320.

SENG 3337 Software Development
This course will cover advanced software development techniques including object-oriented programming, inheritance, polymorphism, formatted file access, recursion, functional and operator overloading, parsing using a FSM, stacks and queues using linked list, search algorithms using binary search trees, and shortest path algorithms.
Prerequisites: COSC 1336 and COSC 1136.

SENG 3340 Robotics and Automation
Study of the use, design, and deployment of industrial automation and robotics technologies in high-precision, multi-product manufacturing environments. Robot manipulators, kinematics and dynamics, robot automation and control, integrated robotic systems for manufacturing, automation in manufacturing, programmable logic controllers, applications to industrial systems.
Prerequisites: SENG 3310.

SENG 3370 Computer Int Manufacturing
Prerequisites: Junior or Senior standing.

SENG 3380 Measurements and Devices
Basic concepts and principles of measurement methods; characteristics of signals; signal conditioning, data acquisition and processing; transducers and sensors, analog and digital devices, voltage regulators; power supplies; measurements of temperature, pressure, velocity, flow, and strain.
Prerequisites: ENGR 2305/2105.

SENG 4152 Internship in Systems Engr
A directed internship in an organization appropriate to the student's career objectives. May be repeated. Evaluation of performance is on a CR/NC basis.
Prerequisites: Permission of instructor.

SENG 4195 Undergraduate Research
Permits work on a research engineering project. May be repeated.
Prerequisites: Permission of instructor.

SENG 4199 Independent Study in SENG
A directed study course. Topics selected from contemporary developments in the field of systems engineering.
Prerequisites: Permission of instructor.

SENG 4252 Internship in Systems Engr
A directed internship in an organization appropriate to the student's career objectives. May be repeated. Evaluation of performance is on a CR/NC basis.
Prerequisites: Permission of instructor.

SENG 4295 Undergraduate Research
Permits work on a research engineering project. May be repeated.
Prerequisites: Permission of instructor.

SENG 4299 Independent Study in SENG
A directed study course. Topics selected from contemporary developments in the field of systems engineering.
Prerequisites: Permission of instructor.

SENG 4301 Engr Project Mgt and Proposals
Principles of project management; planning, scheduling, and control. Engineering proposals; technical reports. Students prepare proposals, including specifications, timelines, schedule, and budget, for projects to be implemented in SENG 4390. This course should be taken the semester preceding SENG 4390. (Formerly SENG 3301)
Prerequisites: ENGR 2305 and COSC 1336 or CSCE 4315.

SENG 4315 Embedded Systems
Characteristics of embedded systems, microprocessors and microcontrollers, system design, modular programming, interface devices, memory management, interrupts, input/output applications, multitasking, and simulation. Interchangeable with CSCE 4315.
Prerequisites: ENGR 2305 and COSC 1336 or CSCE 1336.

SENG 4330 Operations Research II
This course will present mathematical models for inventory management. It also covers a variety of statistics topics such as analysis of variance (One Factor and Two Factors), simple and advanced multiple linear regression. Techniques to deal with collinearity in datasets such as stepwise regression and best subsets are presented. Other topics include game theory, Markov chains, and multi-criteria decision-making through goal programming
Prerequisites: ENGR 2372 and SENG 3330.

SENG 4340 Intelligent Systems
Introduction to methods for the analysis and design of intelligent engineering systems. Topics include reinforcement learning, optimal estimation, Bayesian networks, expert systems, neural networks, and genetic algorithms. Applications emphasize control and decision making in engineering, finance, and computer science.
Prerequisites: SENG 3340.
SENG 4350 Facilities Design & Logistics
Design and analysis of models and algorithms for facility location, vehicle routing, and facility layout problems. Emphasis will be placed on both the use of computers and the theoretical analysis of models and algorithms in the design of production/service facilities, sequencing, and scheduling. Fundamental concepts applied through a sequence of design projects.
Prerequisites: SENG 3330.

SENG 4352 Internship in Systems Engr
A directed internship in an organization appropriate to the student's career objectives. May be repeated. Evaluation of performance is on a CR/NC basis.
Prerequisites: Permission of instructor.

SENG 4360 Systems Simulation
Study the structure, logic, methodologies, and computer techniques for simulating systems. Topics include fundamentals of discrete simulation, design-modeling and subsequent analysis, model verification and validation, and understanding and predicting the behavior of systems.
Prerequisites: SENG 3330.

SENG 4370 Intro to Virtual Manufacturing
Introduction to virtual manufacturing, virtual reality applications in manufacturing systems design, networked manufacturing applications, and modeling of occupational safety engineering.
Prerequisites: SENG 3370.

SENG 4380 Syst Eng in Oil and Gas Ind
Introduction to the interdisciplinary approach between two different engineering disciplines: Petroleum Engineering and Systems Engineering.
Prerequisites: Senior standing.

SENG 4385 Special Topics in Systems Engr
Topics may be from any area of systems engineering. May be repeated when topic changes.
Prerequisites: Senior standing or permission of instructor.

SENG 4390 Sys Eng Senior Design Project
This capstone course provides students the experience of implementing (including building, testing, and documenting) the approved project in SENG 3301, within budget and on schedule. Requires integration of knowledge from required systems engineering courses. Course requirements include a written report and oral presentation. To be taken during the semester of graduation.
Prerequisites: SENG 4301.

SENG 4395 Undergraduate Research
Permits work on research engineering project. May be repeated.
Prerequisites: Permission of instructor.

SENG 4399 Independent Study in SENG
A directed study course. Topics selected from contemporary developments in the field of systems engineering.
Prerequisites: Permission of instructor.

Theater Arts (THAR)

THAR 1310 Theatre Appreciation
Survey of all phases of theatre including its history, critical analysis, dramatic works, stage techniques, production procedures, and relation to the fine arts. Participation in major University productions may be required.
TCCN: DRAM 1310

THAR 2111 Theatre Practicum
Participation in semester theatrical production required. Participation may include acting, directing or backstage work. Rehearsal or work outside of class may be required. May be repeated twice for additional credit.
TCCN: DRAM 1120

THAR 2354 Acting Fundamentals
A beginning approach to the fundamental of acting, which may include sensory exercises, relaxation, concentration, imagination, improvisation, character analysis and scene work. Rehearsals or work outside of class may be required.
TCCN: DRAM 1351

THAR 2355 Script Analysis-WIN
Examination of foundational skills for understanding the structure and content of play scripts for interpretation and conceptualization in theatre productions by directors, designers, actors, and technicians. Introduces students to significant plays in the history of dramatic literature in the playwright's social and cultural context.
Prerequisites: TSI Ready in Reading and Writing or equivalent.

THAR 2366 Film Appreciation-WIN
Emphasis on the analysis of the visual and aural aspects of selected motion pictures, dramatic aspects of narrative films, and historical growth and sociological effect of film as an art. Interchangeable with COMM 2366.
TCCN: DRAM 2366

THAR 3100 Theatre and Children
An introduction to the principles of theatre performance related to the expressive and developmental needs of children from pre-kindergarten through the sixth grade.

THAR 3320 Survey of Theatre History-WIN
An introductory study of the theatre and its place in the social and cultural evolution from primitive civilization to the present. Selected examples of theatre literature are studied.
Prerequisites: Junior standing or consent of instructor.

THAR 3354 Acting Theory and Practice
An advance acting course in which the student explores and develops techniques of creating a role through analysis, rehearsal, and performance. Note: Outside rehearsal time may be needed throughout the semester. May be repeated twice for additional credit.

THAR 4111 Advanced Theatre Practicum
Participation in semester theatrical production required. Participation may include acting, directing or backstage work. May be repeated twice for additional credit.
Prerequisites: Junior Level Standing
THAR 4313 Special Topics in Theatre Arts
In-depth study of a specific area of theatre arts. Topics will include playwright’s major plays, actor’s film retrospective, film series analysis, and technical theatre & stage management. May be repeated twice for credit.

THAR 4364 Playwriting Workshop-WIN
This course explores writing for the theatre through practice and discussion, with an emphasis on playwriting, action, dialogue, character, and the analysis of contemporary playwrights.

TRAN (TRAN)

TRAN 3350 Intro to Span>Engl Translation
Introduction to theory and practice of written and sight translation from Spanish to English in a variety of categories. Provides students with the tools to identify, analyze, and resolve translation problems of short texts, while developing practical translation skills. Proficiency in English and Spanish is required. This course is interchangeable with SPAN 3350. Prerequisites: ENGL 1302 and any 2000-level SPAN course, or consent of instructor.

TRAN 3351 Intro to Engl>Span Translation
Introduction to theory and practice of written and sight translation from English to Spanish in a variety of categories. Provides students with the tools to identify, analyze, and resolve basic translation problems of short texts, while developing practical translation skills. Proficiency in English and Spanish is required. This course is interchangeable with SPAN 3351. Prerequisites: ENGL 1302 and any 2000-level SPAN course, or consent of instructor.

TRAN 4360 Intermediate Span>Engl Trans
A continuation of the theory and practice of translation from Spanish to English, including consideration of cultural and morpho-syntactical problems. Students learn to apply translation techniques and strategies to resolve language-specific translation problems, while practicing the translation of longer texts in a variety of categories that may include literature, healthcare, and the law. Proficiency in English and Spanish is required. This course is interchangeable with SPAN 4360. Prerequisites: SPAN 3350, or TRAN 3350, or SPAN 3351, or TRAN 3351.

TRAN 4361 Intermediate Engl>Span Trans
A continuation of the theory and practice of translation from English to Spanish, including consideration of cultural and morpho-syntactical problems. Students learn to apply translation techniques and strategies to resolve language-specific translation problems, while practicing the translation of longer texts in a variety of categories that may include literature, healthcare, and the law. Proficiency in English and Spanish is required. This course is interchangeable with SPAN 4361. Prerequisites: SPAN 3350, or TRAN 3350, or SPAN 3351, or TRAN 3351.

TRAN 4375 Special Topics in Translation
Selected topics in the theory and practice of Spanish and English Translation. Topics may include culture and translation, politics and translation, translation in educational settings, translation technologies, as well as, specialized fields such as audiovisual, literary, medical, and legal translation. Prerequisites: SPAN 3350 or TRAN 3350 or SPAN 3351 or TRAN 3351.

TRAN 4380 Fundamentals of Interpreting
A course in the theory and practice of interpreting. General examination of the skills, responsibilities, and role of the interpreter in different settings such as community interpreting, court interpreting, healthcare interpreting, and conference interpreting. Limited practice in sight translation, consecutive interpreting, note-taking, and simultaneous interpreting from Spanish to English and English to Spanish. Prerequisites: SPAN 3350 or TRAN 3350 or SPAN 3351 or TRAN 3351.

TRAN 5321 Theory & Hist. of Translation
This course provides training in the theoretical and methodological tools for translation studies, as well as a survey of history of translation, from the Latin period to the present. Prerequisites: Graduate standing

TRAN 5322 Adv. Trans. Spanish-English
This course provides intensive training in direct and reverse translation of general, non-specialized texts and specialized texts, between the English and Spanish languages. Prerequisites: Graduate standing.

TRAN 5323 Adv. Trans. English-Spanish
This course provides intensive advanced training in direct and reverse translation of general, non-specialized texts and specialized texts, between the English and Spanish languages. Prerequisites: Graduate standing.

TRAN 5326 Literary Translation
This course provides intensive training in direct and reverse translation of literary texts between English and Spanish. Prerequisites: Graduate standing.

TRAN 5330 Special Topics Trans Studies
An in-depth study of a special problem in Translation Studies. Prerequisites: Graduate standing.

Transportation & Logistics (TIL)

TIL 3310 Principles of Transportation
A study of the field of domestic freight and passenger transportation as an environment in which users (shippers, receivers, passengers), providers (carriers) and the government (federal, state, local) operate. Management strategy and decision making of the business firm as user of transportation services are emphasized, as well as domestic intercity transportation of property (freight).

TIL 3311 Export/Import Operations&Pr
Introduction to export and import procedures, international trade terms and applications, government regulations affecting trade, international commercial banking facilities and practices, commercial credit and practices, foreign trade documentation, and export/import traffic forwarding. Prerequisites: Junior standing.

TIL 3340 Business Logistics Management
Examination of logistic systems and management, including coverage of inventory, warehousing, traffic, materials and handling, packaging, order processing, and customer service levels. Prerequisites: MKT 3310.
TIL 3350 Global Business Logistics
This course includes fundamental business concepts related to business and global logistics. Topics include understanding business, international logistics infrastructure, methods of entry, international contracts, terms of trade, Incoterms rules, terms of payment, international commercial documents, and insurance.

TIL 3360 Supply Chain Security & Comp
This course is designed to introduce the student to the complexities of securing all the steps of a supply chain, from producer to final customer. It analyzes globalization, channels of distribution, international practices, regulations, and compliance, as well as sample case studies of supply chain programs of international corporations. It includes information that is useful for the US Custom Broker examination.

TIL 5199 Special Issues in Logistics
A study of topics of current interest in the field of logistics. May be repeated once when topic changes.

TIL 5299 Special Issues in Logistics
A study of topics of current interest in the field of logistics. May be repeated once when topic changes.

TIL 5310 Transportation & Logistics Mgmt
This course provides an overview of all modes of transportation and their institutional and operational environments. The organizational logistics function and the relationship to the distribution channels is also emphasized.

TIL 5311 Import Operations & Practice
An in-depth study of import procedures, international trade terms and applications; practices and processes of import management operations, including government controls and compliance. Skill development in the preparation and understanding of import documents such as customs invoices, packing lists, and commercial invoices.
Prerequisites: Graduate standing.

TIL 5312 Export Operations & Practice
This course will provide students with the fundamentals and profound understanding of export operations in international trade, emphasizing basic terminology used, documentation required and all parties involved in the export process, related operations management, global governments' control and customs clearance, international commercial terms, logistics procedures, and responsibilities for export officials and agencies.
Prerequisites: Graduate standing.

TIL 5313 Customs Broker License Prep
An in-depth study of the Customs laws and Regulations to include the customs broker regulations, entry filing and customs declarations, other governmental agency filing requirements, tariff and duties, and free trade agreements. The course will require an engagement in team projects to determine applicable customs classification processes and duty referral programs for different product and importing scenarios. Three practice exams will be included in the course to prepare for the customs broker exam.
Prerequisites: 3 years' experience in Customs Broker office or successful completion of TIL 5311 or Consent of Instructor.

TIL 5370 International Logistics
This course is designed to enable the students to comprehend and participate in foreign freight forwarding, international transportation, and warehousing. It includes an extensive analysis of the documentation related to international distribution.

TIL 5399 Special Issues in Logistics
A study of topics of current interest in the field of logistics. May be repeated once when topic changes.

University Seminar (UNIV)

UNIV 1102 Learn a Global Context II
Class focuses on information literacy, memory, communication and the role these topics play in successful academic progress. Writing and discussion groups promote academic success through core curriculum-focused assignments. An introduction to academic and student life resources through peer and faculty mentoring and awareness of university resources is also included, particularly as they apply to career choice through self-assessment and goal setting. Departmental Approval required.

UNIV 1201 Learn a Global Context I
This course focuses on developing life-long self-determination skills, specifically self-awareness, self-regulation, self-advocacy, and self-empowerment. Students will learn the importance of having a growth mindset, finding purpose and relevant engagement, and feeling a sense of belonging at TAMU. These concepts will be examined within an international Common Read, and through exploration of students' career paths and financial literacy in relation to their goals.

UNIV 1302 Signature Course
This course builds on UNIV 1201 by expanding student focus from self-awareness to global awareness. Designed to introduce undergraduates to in-depth analysis from an interdisciplinary perspective, students will explore community issues through a problem-based approach. This course will foster community engagement by integrating University and other relevant resources.
Prerequisites: Successful completion or concurrent enrollment in UNIV 1201.

UNIV 2310 Found Civic Engage & Social Chng
This course provides students the opportunity to understand social issues and how they relate to community/society, and their roles as active citizens, as they are engaged in critical reflection of civic experiences. This course develops a conceptual framework of various forms of civic engagement, its importance, and value.
Prerequisites: Sophomore standing or departmental approval.

UNIV 3320 Community Engmt & Agents of Chng
The purpose of this course is to examine how positive change in communities occur, focusing on small and large scale social change. The course examines how individuals and communities envision, promote, and deliver change. Themes to be explored include communities of civic practice; organizational change; examples of change involved in civic causes at the local, national, and international level; and the changes faced when initiating positive change.
Prerequisites: Junior standing or departmental approval.
UNIV 4390 Capstone Experience
The Capstone Experience course is required for all students enrolled in the Bachelor of Arts in Multidisciplinary Studies (MDS) and is designed to integrate student's three areas of concentration. This course reinforces professional writing and communication skills through presentations and relevant applications in a community engagement project. Additionally, students will develop career-oriented skills by creating a portfolio that contains a personal mission statement, objective, and narrative. This course is graded CR/NC. A minimum of a 2.0 institutional GPA is required, as well as a minimum of a 2.0 cumulative GPA in each Area of Concentration for MDS students. Departmental approval is required.

UNIV 4399 Special Topics Course
This course examines selected contemporary issues in order for individuals, or small groups of students, to gain particular and/or additional knowledge in a given area of focus. Students demonstrate competence in the course through sustained critical investigation and evaluation of a chosen topic. May be repeated once when the topic changes.
Prerequisites: UNIV 1402 or consent from instructor.

Women&Gender Studies (WGST)

WGST 2301 Intro Women's & Gender Studies
A multidisciplinary introduction to the study of the gender images of masculinity and femininity. Topics will be framed in a historical perspective and may include how gender affects family dynamics, school and organizational settings, gender roles, sexual identity, verbal communication, the media, and power and violence.

WGST 2302 Intro to LGBTQ Studies
This interdisciplinary course introduces concepts and theories within LGBTQ Studies. Topics include issues related to lesbian, gay, bisexual, transgender, and queer communities. The central focus is to examine, challenge, and destabilize normative conceptualizations and representations of gender and sexuality. This class emphasizes different aspects of LGBTQ studies including history, queer theory, popular culture, media, and literature. Course work centers on complicating notions of queer identity through intersections of race, class, gender, and globalization.

WGST 3301 Topics in Women's Studies
An in-depth study of an issue of significance in the field of Women's Studies. This course may deal with issues including history, literature, art, social or behavioral sciences, communication, business, or education. May be repeated once when the topic changes.

WGST 3302 Topics in Gender Studies
An in-depth study of an issue of significance in the field of Gender Studies. This course may deal with issues including history, literature, art, social or behavioral science, communication, business, or education. May be repeated once when the topic changes.

WGST 4325 Sociology of Gender Roles
An analysis of the role of biology, cultural socialization, and social institutions in the formulation and maintenance of constructs of masculine and feminine gender in world societies. The study of the social impact of changes in women's and men's roles in postindustrial societies upon the family, the workplace and other major social institutions. The examination of the impact of gender constructs upon familial relationships, spirituality and policy orientations. An evaluation of the positive and negative impact of the women's movement and men's movement upon the status of women and men of different race/ethnicity and social class. May be taken for graduate credit. (Cross-listed with SOCI 4325).
Prerequisites: Junior standing.

WGST 4399 Senior Sem: Women&Gender Stud
Students will examine theoretical readings in Women's Studies and Gender Studies and will develop interdisciplinary, independent projects. Prerequisites: WGST 2301 or 2302, and nine hours of Women's and Gender Studies electives.

Young Children (EDYC)

EDYC 1304 Play and Play Environments
Provides an overview of play theories as they apply to the total development of the child. Special attention is given to organizing and scheduling indoor and outdoor developmentally appropriate environments for young children.
TCN: TECA 1311

EDYC 1308 Family Involvement & Advocacy
An exploration of parenting practices and family systems, with an emphasis on the role that early care and education programs and other community support services play in strengthening families. Examines aspects of family life, including social, cultural, economic and personal issues confronting families. Emphasis will be given to identifying healthy family-child interaction patterns. Candidates will be introduced to the important role early childhood professionals play as advocates for children and families.
TCN: TECA 1303

EDYC 2324 The Young Child
This course provides an analysis of major theories and principles of child development and learning related to aesthetic, cognitive, linguistic, social, emotional, and physical development in young children.
TCN: TECA 1354

EDYC 3342 Child Guidance Strategies
This course provides an introduction to guidance strategies for promoting prosocial behaviors with individuals and groups of young children. Emphasis is on positive guidance principles and techniques, family involvement, and cultural and exceptionality influences. Admission to and in good standing in the College of Education.
Prerequisites: EDYC 1304, 1308, and 2324.
EDYC 3350 Home, School, Comm Relations
This course emphasizes the crucial role positive relationships play between programs for young children and the families and communities they serve. Effective strategies for engaging and supporting parents and family will be surveyed. Approaches to identifying and using community resources, services, and programs for young children and families will also be explored.
Prerequisites: PSYC 2314; admitted to and in good standing in the College of Education.

EDYC 3362 Lang Acq Yg Ch Mltlg Set-WIN
This course provides an introduction of theories and models of language acquisition as they apply to teaching young children in multilingual or multicultural settings. The topics include the processes and mechanisms that drive early bilingual and multilingual acquisition, contemporary teaching models of language acquisition and current issues in language acquisition as it applies to teaching young children. The emphasis will be on teaching models of language acquisition that promote linguistic and cultural diversity in early learning settings. EDYC 3362 is designated as a “Writing Intensive” (WIN) course in which writing will play a central role in the learning process and in which grades earned on written work will constitute a significant portion of the course grade.
Prerequisites: EDYC 1304, 1308, 2324, and in good academic standing with the university.

EDYC 3363 Expressive Arts Yng Children
The course provides an understanding of the theoretical principles underlying aesthetic expression and appreciation through the visual arts, music and creative dramas and their application to the instruction of young children. Student must have an overall GPA of 2.75 in order to enroll in this course.
Prerequisites: EDYC 1304, EDYC 2324, and admission to the College of Education.

EDYC 3364 Emergent Lit in Yng Children
This course provides an understanding of the underlying theoretical principles related to emergent literacy in young children. Emphasis is on awareness of typical patterns of emergent reading and writing development, authentic assessment of children’s developing literacy skills, optimal physical and social environments for literacy development, and characteristics of emergent literacy in young children. Admitted to and in good standing in the College of Education.
Prerequisites: EDYC 1304, 1308, 2324 and 3362.

EDYC 3366 Curr Foundtns for Yng Children
This course focuses on curriculum development principles, sound learning environments for young children, authentic assessment for instructional effectiveness, and appropriate evidence based child guidance. Admitted to and in good standing in the College of Education. Students pursuing the Multidisciplinary Degree (MDS), non-certificate program, do not need to be admitted to and in good standing in the College of Education. Students pursuing the MDS need to be in good standing at the university.
Prerequisites: EDYC 2324.

EDYC 3384 Science for Young Children
This course focuses on developmentally effective strategies for teaching science to young children, infancy through age six. Emphasis is on evidence-based instructional strategies, inquiry-based models of teaching science, fostering positive attitudes about science learning. Optimal learning environments, and science learning centers.
Prerequisites: EDYC 2324 and in good standing with the university.

EDYC 3394 Mathematics for Yng Children
This course provides an introduction to appropriate assessments for young children. Emphasis is on authentic, developmentally effective assessments, including developmental screening instruments and procedures, and diagnostic testing.
Prerequisites: EDYC 2324, 3366, and admitted in good academic standing at the university.

EDYC 4292 Infant-Toddler Practicum
This course provides a community-based experience in an infant-toddler program (birth to 3 years), with an emphasis on effective caregiving routines and environments, appropriate materials and activities; and teaching/guidance techniques. Health and safety are emphasized, and experiences with families are included. A minimum of fifty hours of infant-toddler experiences are required. Prerequisites; EDYC 3366 and 4365. Admitted to and in good standing in the College of Education.
Corequisites: EDYC 4345.

EDYC 4325 Trends & Iss in Early Learning
This course provides a critical examination of current issues affecting the education and development of young children with the goal of fostering candidates’ global perspectives on early learning. The topics will include contemporary models of early learning as well as political, educational and economic policies that shape practices in early learning. Admitted to and in good standing in the College of Education.
Prerequisites: EDYC 2324 and EDYC 3366.

EDYC 4335 Cognitive Psych&Early Lning-WIN
This course focuses on the application of concepts and findings from cognitive psychology to teaching practices in early learning settings. Emphasis is on using existing research findings in attention, memory, language, and thinking to improve the effectiveness of instructional design. EDYC 4335 is designated as a “Writing Intensive” (WIN) course in which writing will play a central role in the learning process, and in which grades earned on written work will constitute a significant portion of the course grade. Prerequisites; EDYC 2324, 3362, 3366, and in good academic standing at the university.
EDYC 4345 Infant-Toddler Care & Education
This course provides an introduction to infant and toddler programs (birth to 3 years), including an overview of infant development, effective caregiving routines, cultural issues, affordable environments, materials and activities, and teaching/guidance techniques. Health and safety issues, and family involvement are also emphasized. Admitted to and in good standing in the College of Education.
Prerequisites: EDYC 3366 and EDCI 4366.
Corequisites: EDYC 4292.

EDYC 4355 Professional Develop & Ldrshp
This course focuses upon utilizing models of professional development for continuous improvement, growth, and self-efficacy whereby candidates develop leadership skills related to designing and delivering long-lasting professional development workshops/seminars and materials. Models of professional development will be provided with an emphasis on building a community of learners through interpersonal leadership, team building, and processes by which people affect change. Admitted to and in good standing in the College of Education.
Prerequisites: EDYC 4335 and 4365.

EDYC 4365 Design Early Learning & Environments
This course provides an introduction to the characteristics of quality early learning environments. Emphasis is on physical and social aspects of the indoor outdoor learning environments serving children ages 3-6 years, including whole group space, learning centers, transitions, safety, and adult-child and child-child interactions. A survey of international and national models is included, as is the impact of child care licensure standards on environmental design. The Early Childhood Environment Rating Scale (ECERS-R) will be utilized.
Prerequisites: EDYC 3366 and in good academic standing at the university.
FACULTY

A. R. Sanchez, JR. School of Business Faculty

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NEUMANN, PAMELA, Assistant Professor of Sociology, Department of Social Sciences; B.A., Trinity University; M.A., Ph.D., The University of Texas at Austin.

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SAN MIGUEL, CLAUDIA, Dean and Associate Professor of Criminal Justice, College of Arts & Sciences; B.S., M.S., Texas A&M International University; Ph.D., Sam Houston State University.

SAN MIGUEL, MIGUEL, Instructor of Mathematics, Department of Mathematics and Physics; B.A., Universidad Autónoma de Guadalajara; M.A., Texas A&M International University.

SCAGGS, DEBORAH, Writing Program Director and Associate Professional of English, Department of Humanities B.A., University of Illinois, Urbana-Champaign; M.A., University of Massachusetts, Boston; Ph.D., Saint Louis University.

SHAW, JESSE, Assistant Professor of Arts, Department of Fine and Performing Arts; B.F.A., Austin Peay State University; M.F.A., Rhode Island School of Design.

SHI, WANZHU, Assistant Professor of Public Administration, Department of Social Sciences; M.P.A., Southeast Missouri State University; Ph.D., University of Central Florida.
SITaula, sarita, visiting Assistant Professor of Chemistry, Department of Biology and Chemistry; M.Sc. Tribhuvan University, Nepal; Ph.D., Portland State University.

Soto, Gilberto D., Professor of Music, Department of Fine and Performing Arts; B.Ed., Universidad Autónoma del Noreste; B.A., Abilene Christian University; M.M., Ph.D., University of Southern Mississippi.

Soto-Vasquez, Arthur, Assistant Professor of Communication, Department of Psychology and Communications; B.A., St. Edward's University; M.A., The University of Texas at Austin; Ph.D., American University.

Steele, Catherine C., Assistant Professor of Psychology, Department of Psychology and Communication; B.A., University of Incarnate Word; M.S., Ph.D., Kansas State University.

Summers, Charlene Kay, Assistant Professional of English, Department of Humanities; B.A., Grand View University; M.A., University of Illinois at Springfield; Ph.D., University of Kansas.

Tadoum, Jean Paul, Associate Professional of French and German, Department of Humanities; B.A., University of Lyon; M.A., Johann Wolfgang Goethe University; Ph.D., University of Arizona-Tucson.

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Terrazas-Carrillo, Elizabeth, Assistant Professor of Counseling Psychology, Department of Psychology and Communication; B.S., M.A., Midwestern State University; Ph.D., University of Oklahoma.

Thompson, Jerry D., Regents Professor of History, Department of Humanities; B.A., Western New Mexico University; M.A., University of New Mexico; D.A., Carnegie-Mellon University.

Tobin, Kenneth J., Director, Center for Earth and Environmental Studies and Professor of Geology, School of Engineering; B.A., Boston University; M.S., Tulane University; Ph.D., University of Tennessee, Knoxville.

Vasquez, Desi, Assistant Professor of Psychology, Department of Psychology and Communications; B.A., Ph.D., University of Oklahoma.

Vergaray, Alfonso, Coordinator of International Leadership Program and Assistant Professor of Political Science, Department of Social Sciences; B.A., Rutgers University; M.A., University of Toronto; Ph.D., Virginia Polytechnic Institute and State University.

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Wang, Hongwei, Assistant Professor of Mathematics, Department of Mathematics and Physics; B.S., Chongqing Technology and Business University; Ph.D., Texas Tech University.

Weight, Donovan S., Associate Professional of History, Department of Humanities; B.A., Utah State University; M.A., University of Illinois at Springfield; Ph.D., Southern Illinois University.

Wright, Richard B., Associate Professor of Art, Department of Fine and Performing Arts; B.A., Wesleyan University; M.A., Ph.D., University of Virginia.

Ynalvez, Marcus A., Associate Dean and Associate Professor of Sociology, Department of Social Sciences; B.S., M.A., University of the Philippines; Ph.D., Louisiana State University and A&M College.

Ynalvez, Ruby A., Associate Professor of Biology, Department of Biology and Chemistry; B.S., M.S., University of the Philippines at Los Baños; Ph.D., Louisiana State University.

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Zovogo, Varaidzo, Assistant Professor of Public Administration, Department of Social Sciences; B.S., B.C., University of Cape Town, South Africa; M.P.A., Kennesaw State University; Ph.D., University of Texas at Dallas.

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DEZOUCHE, ELIZABETH, Assistant Professional, Sue and Radcliffe Killam Library; B.A., Georgia Southern University; M.L.I.S., Long Island University.

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HINOJOSA, ROGELIO, Associate Librarian, Sue and Radcliffe Killam Library; B.S., Instituto Tecnológico y de Estudios Superiores de
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RAWLINS, BEN, Library Director, Sue and Radcliffe Killam Library; B.S., University of Rio Grande; M.A., Marshall University; M.L.S., University of Kentucky.

WEBB, RODNEY, Librarian, Sue and Radcliffe Killam Library; B.A., Mississippi College; M.L.S., University of Texas at Austin.
# Appendix A: Core Curriculum and Optional Course Information

## Core Curriculum Requirements

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
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<td><strong>Communication (010)</strong></td>
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<tr>
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<td>Select 6 SCH from the following:</td>
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<tr>
<td></td>
<td>ENGL 1301 English Composition I</td>
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<td>&amp; ENGL 1302 and English Composition II</td>
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<tr>
<td></td>
<td>ENGL 2311 Technical Communication-WIN ¹</td>
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<td></td>
<td><strong>Mathematics (020)</strong></td>
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<td>College Algebra or above ²</td>
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<td><strong>Life and Physical Sciences (030)</strong></td>
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<td>Courses can be taken from ASTR, BIOL, CHEM, EPSC, GEOL or PHYS ²</td>
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<td><strong>Language, Philosophy &amp; Culture (040)</strong></td>
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<td>Courses can be taken from ENGL, PHIL or SPAN ²</td>
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<td><strong>Creative Arts (050)</strong></td>
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<td>Courses can be taken from ARTS, MUSI, or THAR ²</td>
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<tr>
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<td><strong>History (060)</strong></td>
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<tr>
<td></td>
<td>HIST 1301 The US to 1877</td>
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<td>&amp; HIST 1302 and The US Since 1877</td>
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<td><strong>Political Science (070)</strong></td>
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<td></td>
<td>PSCI 2305 American National Government</td>
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<td></td>
<td>&amp; PSCI 2306 and American State Government</td>
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<td></td>
<td><strong>Social &amp; Behavioral Sciences (080)</strong></td>
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<td></td>
<td>Courses can be taken from BA, ECO, GEOG, LEDR, PSYC or SOCI ²</td>
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<td></td>
<td><strong>Component Area Option I (090)</strong></td>
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<td>UNIV 1201 Learn a Global Context I</td>
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<td><strong>Component Area Option II (090)</strong></td>
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<td><strong>Component Area Option III (090)</strong></td>
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<td>UNIV 1302 Signature Course</td>
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<td><strong>Total Semester Credit Hours</strong></td>
<td>42</td>
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</table>

¹ ENGL 2311 may only be used to satisfy the second 3-SCH requirement of the Core Communication Component in programs housed in the School of Engineering.

² See eligible courses under these headings in the following section.

## Mathematics

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<th>Code</th>
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<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
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<td>MATH 1316</td>
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<tr>
<td>MATH 1324</td>
<td>Business Math I</td>
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<tr>
<td>MATH 1332</td>
<td>Mathematics for Liberal Arts I</td>
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<td>MATH 1342</td>
<td>Introductory Statistics</td>
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<td>MATH 2412</td>
<td>Pre-Calculus</td>
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<td>MATH 2413</td>
<td>Calculus I</td>
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## Life and Physical Science

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<td>ASTR 1310</td>
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<td>BIOL 1306</td>
<td>Principles of Biology I</td>
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</tr>
<tr>
<td>BIOL 1311</td>
<td>Principles of Biology II</td>
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<tr>
<td>BIOL 1370</td>
<td>Survey of Life Science</td>
<td>3</td>
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<td>BIOL 1371</td>
<td>Human Biology</td>
<td>3</td>
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<td>BIOL 2301</td>
<td>Anatomy &amp; Physiology I</td>
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<tr>
<td>BIOL 2302</td>
<td>Anatomy &amp; Physiology II</td>
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<td>CHEM 1311</td>
<td>General Chemistry I</td>
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<td>EPSC 1370</td>
<td>Survey of Earth Science</td>
<td>3</td>
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<td>EPSC 2301</td>
<td>Atmospheric Science</td>
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<td>GEOL 1303</td>
<td>Intro to Physical Geology</td>
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<td>PHYS 1370</td>
<td>Survey of Physical Science</td>
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<td>University Physics I</td>
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<td>University Physics II</td>
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## Language, Philosophy and Culture

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<td>British Lit Through Neoclass</td>
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<td>ENGL 2323</td>
<td>British Lit: Romantics-Pres</td>
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<td>ENGL 2327</td>
<td>American Lit to the Civil War</td>
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<td>ENGL 2328</td>
<td>American Lit: Civil War-Pres</td>
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<tr>
<td>ENGL 2332</td>
<td>Survey of World Lit to 1650</td>
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<td>ENGL 2333</td>
<td>Survey of World Lit Since 1650</td>
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<td>ENGL 2365</td>
<td>Literature and Film</td>
<td>3</td>
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<td>PHIL 1301</td>
<td>Introduction to Philosophy</td>
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<td>PHIL 2306</td>
<td>Introduction to Ethics</td>
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<td>SPAN 2350</td>
<td>Intro to the Hispanic World</td>
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## Course Selections to Fulfill Core Options

**NOTE:** Some degree plans require specific courses for the Core Curriculum. See Suggested Four-Year Degree Plan and advisor.
### Creative Arts

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<td>Art Hist Surv: Prehist-Renaiss</td>
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<td>ARTS 1304</td>
<td>Art Hist Surv: Ren-Modern</td>
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<td>MUSI 1306</td>
<td>Music Appreciation</td>
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<td>American Popular Music</td>
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<td>THAR 1310</td>
<td>Theatre Appreciation</td>
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### Social and Behavioral Sciences

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<td>ECO 1301</td>
<td>Survey of Economics</td>
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<td>ECO 2301</td>
<td>Principles of Macroeconomics</td>
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<td>Principles of Microeconomics</td>
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<td>GEOG 1303</td>
<td>General World Geography</td>
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<td>LEDR 2301</td>
<td>Foundations of Leadership</td>
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<td>PSCI 2301</td>
<td>Intro to Political Leadership</td>
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<td>PSYC 2314</td>
<td>Lifespan Growth&amp;Development</td>
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### Component Area Option II

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<td>BIOL 1111</td>
<td>Principles of Biology II-Lab</td>
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<td>Survey of Life Science Lab</td>
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<td>Human Biology-Lab</td>
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<td>CHEM 1111</td>
<td>General Chemistry I-Lab</td>
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<td>CHEM 1170</td>
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<td>EPSC 1170</td>
<td>Survey of Earth Science Lab</td>
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<td>EPSC 2101</td>
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<td>Intro to Physical Geology Lab</td>
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<td>Environmental Geology Lab</td>
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<td>University Physics I Lab</td>
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<td>UNIV 1102</td>
<td>Learn a Global Context II</td>
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APPENDIX B: DEGREES

Undergraduate Degrees - A.R. Sanchez, Jr. School of Business

- Bachelor of Business Administration with a major in Accounting (BBA-ACC) (p. 45)
- Bachelor of Business Administration with a major in Management Information Systems and Data Analytics (BBA-MIS) (p. 47)

Bachelor of Business Administration with a concentration in:

- Business Administration (BBA-BA) (p. 48)
- International Economics (BBA-ECO) (p. 51)
- Finance (BBA-FIN) (p. 50)
- Management (BBA-MGT) (p. 53)
- Marketing (BBA-MKT) (p. 54)
- Transportation & International Logistics (BBA-TIL) (p. 55)

Bachelor of Applied Arts & Sciences in Business with a concentration in:

- Business Administration (BAAS-BA) (p. 57)
- Management (BAAS-MGT) (p. 58)
- Transportation & International Logistics (BAAS-TIL) (p. 59)

Graduate Degrees - A.R. Sanchez, Jr. School of Business

- Master of Business Administration (MBA) with a concentration in the following areas: (p. 245)
  - International Business (taught in English and Spanish)
  - International Banking and Finance
  - International Trade and Logistics
  - Management
- Master of Business Administration with a concentration in Criminal Justice (MBA) (p. 246)
- Master of Business Administration with a concentration in Healthcare Administration (MBA) (p. 246)
- Master of Professional Accountancy (MPAcc) (p. 246)
- Master of Science in Information Systems (MS-IS) (p. 247)
- Doctor of Philosophy in International Business Administration (Ph.D.-IB) (p. 247)

Undergraduate Degrees - College of Arts and Sciences

Bachelor of Applied Arts & Sciences

- Bachelor of Applied Arts and Sciences (BAAS p. 185))
- Bachelor of Applied Arts and Sciences with a Criminal Justice Concentration (BAAS) (p. 186)

Bachelor of Arts

- Bachelor of Arts with a Double Major (BA) (p. 66)
- Bachelor of Arts with a major in Art (BA) (p. 109)
- Bachelor of Arts with a major in Art with All-Level Certification (BA) (p. 111)
- Bachelor of Arts with a major in Biology (BA) (p. 77)
- Bachelor of Arts with a major in Communication (BA) (p. 170)

- Bachelor of Arts with a major in Communication with a concentration in Digital & Strategic Communication (BA) (p. 171)
- Bachelor of Arts with majors in Communication and Spanish (BA) (p. 173)
- Bachelor of Arts with majors in Criminal Justice and Political Science (BA) (p. 187)
- Bachelor of Arts with a major in English (BA) (p. 137)
- Bachelor of Arts with a major in English with Grades 7 -12 Certification (BA) (p. 139)
- Bachelor of Arts with a major in History (BA) (p. 140)
- Bachelor of Arts with a major in History with Grades 7 - 12 Certification (BA) (p. 144)
- Bachelor of Arts with majors in History and Political Science (BA) (p. 142)
- Bachelor of Arts with a major in Mathematics (BA) (p. 157)
- Bachelor of Arts with a major in Mathematics with Grades 7 - 12 Certification (BA) (p. 158)
- Bachelor of Arts with a major in Political Science (BA) (p. 191)
- Bachelor of Arts with a major in Psychology (BA) (p. 174)
- Bachelor of Arts with a major in Sociology (BA) (p. 193)
- Bachelor of Arts with a major in Spanish (BA) (p. 146)
- Bachelor of Arts with a major in Spanish with All Level Certification (p. 148)

Bachelor of Music

- Bachelor of Music in Performance (BM) (p. 112)
- Bachelor of Music Education (BM) (p. 115)

Bachelor of Science

- Bachelor of Science with a major in Biology (BS) (p. 79)
- Bachelor of Science with a major in Chemistry (BS) (p. 80)
- Bachelor of Science with a major in Mathematics (BS) (p. 160)
- Bachelor of Science with a major in Computer Engineering (BS) (p. 94)
- Bachelor of Science with a major in Petroleum Engineering (BS) (p. 96)
- Bachelor of Science with a major in Systems Engineering (BS) (p. 97)
- Bachelor of Science with a major in Science with Grades 7 -12 Certification (BS) (p. 82)
- Bachelor of Science in Criminal Justice (BSCJ) (p. 194)

Graduate Degrees - College of Arts and Science

- Master of Public Administration (MPA) (p. 263)

Master of Arts

- Master of Arts in Communication (MA) (p. 259)
- Master of Arts in Communication Non-Thesis (MA) (p. 259)
- Master of Arts in Counseling Psychology (MA) (p. 259)
- Master of Arts in English (MA) (p. 254)
- Master of Arts in History & Political Thought, History Concentration (MA) (p. 255)
• Master of Arts in History & Political Thought, History Concentration Non-Thesis (MA) (p. 255)
• Master of Arts in History & Political Thought, Political Science Concentration (MA) (p. 262)
• Master of Arts in History & Political Thought, Political Science Concentration Non-Thesis (MA) (p. 262)
• Master of Arts in History and Political Thought - Double Concentration Non Thesis (MA) (p. 261)
• Master of Arts in Language, Literature and Translation (MA) (p. 256)
• Master of Arts in Sociology (MA) (p. 263)
• Master of Arts in Sociology Non-Thesis (MA) (p. 263)

Master of Science
• Master of Science in Biology (MS) (p. 252)
• Master of Science in Biology Non-Thesis (MS) (p. 253)
• Master of Science in Criminal Justice (MS) (p. 264)
• Master of Science in Criminal Justice Non-Thesis (MS) (p. 265)
• Master of Science in Mathematics (MS) (p. 257)
• Master of Science in Mathematics Non-Thesis (MS) (p. 257)
• Master of Science in Mathematics, Applied Statistics Track Non-Thesis (MS) (p. 258)
• Master of Science in Mathematics, Mathematics Education Track Non-Thesis (MS) (p. 258)
• Master of Science in Psychology (MS) (p. 260)
• Master of Science in Psychology Non-Thesis (MS) (p. 261)

Doctor of Philosophy
• Doctor of Philosophy in Criminal Justice (Ph.D) (p. 265)

Undergraduate Degrees - College of Engineering Sciences
• Bachelor of Science with a major in Engineering Sciences (BS) (p. 219)
• Bachelor of Science with a major in Engineering Technology (BS) (p. 220)
• Bachelor of Science with a major in Pre-Physical/Occupational Therapy (BS) (p. 221)
• Bachelor of Science with a major in Pre-Physical/Occupational Therapy - Family Nurse Practitioner (BS) (p. 222)
• Bachelor of Science with a major in Pre-Physical/Occupational Therapy Non-Thesis (BS) (p. 223)

Graduate Degrees - College of Nursing and Health Sciences
• Bachelor of Science in Nursing (RN/BSN) (p. 201)
• Bachelor of Science in Nursing (BSN) (p. 202)
• Bachelor of Science in Nursing Administration (BS) (p. 203)

Undergraduate Degrees - University College
• Bachelor of Arts in Multidisciplinary Studies (BA) (p. 225)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy (BA) (p. 226)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner (BA) (p. 227)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 228)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 229)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 230)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 231)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 232)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 233)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 234)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 235)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 236)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 237)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 238)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 239)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 240)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 241)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 242)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 243)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 244)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 245)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 246)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 247)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 248)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 249)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 250)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 251)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 252)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 253)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 254)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 255)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 256)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 257)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 258)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 259)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 260)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 261)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 262)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 263)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 264)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 265)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 266)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 267)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 268)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 269)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 270)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 271)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 272)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 273)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy - Family Nurse Practitioner Non-Thesis (BA) (p. 274)
• Bachelor of Arts in Multidisciplinary Studies with Pre-Physical/Occupational Therapy Non-Thesis (BA) (p. 275)

Undergraduate Degrees - College of Nursing and Health Sciences
• Bachelor of Science with a major in Kinesiology with a concentration in Exercise Science (BS) (p. 218)
• Bachelor of Science in Public Health (BS) (p. 219)
• Bachelor of Science with a major in Kinesiology with a concentration in Exercise Science (BS) (p. 220)
• Bachelor of Science in Public Health (BS) (p. 221)
• Bachelor of Science in Nursing (BSN) (p. 222)
• Bachelor of Science in Nursing (RN/BSN) (p. 223)

Graduate Degrees - College of Nursing and Health Sciences
• Bachelor of Science in Nursing - Family Nurse Practitioner (p. 281)
• Bachelor of Science in Nursing - Nursing Administration (p. 281)
APPENDIX C: MINORS

Eighteen (18) or more semester credit hours, six (6) of which must be taken at Texas A&M International University. At least twelve (12) semester credit hours must be advanced. Minors are required in many baccalaureate programs. Consult the program of study requirements for the major chosen. Requirements for each minor are listed in the appropriate undergraduate college section of the catalog.

A.R. Sanchez, Jr. School of Business

- Business Administration (p. 60)
- Management Information Systems and Data Analytics (p. 61)
- Economics (p. 61)
- Entrepreneurship (p. 61)
- Management (p. 61)
- Marketing (p. 61)

College of Arts and Sciences

- Anthropology (p. 196)
- Applied Physics (p. 161)
- Art History (p. 117)
- Biology (p. 83)
- Chemistry (p. 83)
- Communication (p. 176)
- Computer Science (p. 99)
- Creative Writing (p. 149)
- Criminal Justice (p. 196)
- Dance (p. 117)
- English (p. 150)
- Environmental Science (p. 84)
- Geography (p. 196)
- Geology (p. 99)
- History (p. 150)
- International Leadership (p. 196)
- Mathematics (p. 161)
- Military Science (p. 163)
- Music (p. 117)
- Petroleum Engineering (p. 99)
- Philosophy (p. 150)
- Political Science (p. 197)
- Prelaw (p. 197)
- Psychology (p. 176)
- Sociology (p. 197)
- Spanish (p. 151)
- Studio Art (p. 118)
- Theatre Arts (p. 118)
- Translation of English and Spanish (p. 151)
- Women’s & Gender Studies (p. 151)
- Writing and Rhetoric (p. 151)

College of nursing and health sciences

- Kinesiology (p. 222)
- Public Health (p. 222)
The Texas Common Course Numbering System was created to facilitate transfer of lower division course credits among Texas colleges and universities. As part of the TCCNS, a course matrix has been established with equivalencies between the common course and the course taught at Texas colleges and universities. Below is the information on common course equivalent courses taught at TAMIU. Additional information may be found at http://www.tccns.org.

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<td>ARTS 2356 Photography I (Fine Arts emphasis)</td>
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<td>BIOL 1106 Biology for Science Major I (lab)</td>
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<td>BIOL 1108 Biology for Non-Science Major I (lab)</td>
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<td>BIOL 1306 Biology for Science Majors I (lecture)</td>
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<td>BIOL 1308 Biology for Non-Science Majors I (lecture)</td>
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<td>BIOL 1413 General Zoology (lecture + lab)</td>
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<td>BIOL 2101 Anatomy &amp; Physiology Laboratory I (lab)</td>
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<td>BIOL 2102 Anatomy &amp; Physiology II (lab)</td>
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