



TEXAS A&M INTERNATIONAL UNIVERSITY

2011 - 2012 CATALOG

A Member
of
The Texas A&M University System

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More current information may be found online at

<http://www.tamui.edu/catalog/current/>

www.tamui.edu
5201 University Boulevard, Laredo, Texas 78041-1900
Phone (956) 326-2001

TEXAS A&M INTERNATIONAL UNIVERSITY INFORMATION

The Office of Recruitment and School Relations oversees student recruitment. To obtain application forms and/or information on degrees and student life at Texas A&M International University (TAMIU), call or write:

Office of Recruitment and School Relations

Texas A&M International University
5201 University Boulevard
Laredo, Texas 78041-1900, USA
(956) 326-2270 Fax: (956) 326-2269
Toll Free: 1-888-4TX-AMIU (489-2648)
e-mail: enroll@tamiu.edu
Web page: <http://www.tamiu.edu/apply>

Submit all documents required for application to TAMIU to:

Office of Admissions

Texas A&M International University
5201 University Boulevard
Laredo, Texas 78041-1900, USA

ACCREDITATION AND MEMBERSHIP IN EDUCATIONAL ASSOCIATIONS

Texas A&M International University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number (404) 679-4501) to award bachelors, masters and doctoral degrees.

The undergraduate and graduate programs in the College of Business Administration are accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

The Texas A&M International University Dr. F. M. Canseco School of Nursing in the College of Nursing and Health Sciences is accredited by the Texas Board of Nurse Examiners and the National League for Nursing Accrediting Commission, 3343 Peachtree Road NE, Suite 500, Atlanta, GA 30326, P. 404.975.5000, F. 404.975.5020, www.nlnac.org.

Texas A&M International University is also accredited by the Texas Education Agency.

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

Querido viajero, Dear traveler,

In his most celebrated poem, Amado Nervo discovers life's fundamental truth: we build the life we lead. "Porque veo al final de mi rudo camino/ que yo fui el arquitecto de mi propio destino." At the end of my own rough road I see/that I was the architect of my own destiny. Texas A&M International University exists to join with you, to find your road and to construct your destiny.

A gifted faculty, a dedicated staff, and inspirational facilities will fuel your self-discovery here, challenging you to greatness. Perhaps you will find your muse in the study of literature or criminal justice; perhaps you will express yourself best in painting or the arts; perhaps you will be consumed by an appreciation of mathematics or delve deep into the intricacies of the global economy. You might wish to pursue doctoral studies in Education, Hispanic Studies, or International Business. Perhaps you will develop the power to comfort others in need. Whatever your passion, wherever your road, you will find it here.

At Texas A&M International University, we bring you a rich tradition of educational excellence now in its thirty-fifth year. As the campus has grown, so have opportunities for you to augment classroom experience with a broad array of student clubs, internships, activities, and opportunities for study abroad.

While detours may on occasion impede your progress, know that our expanded student support services will return you to your chosen path.

Begin your new life here. Let us enable you to discover who you might be, support you as you construct that identity, and celebrate with you as you become that new being. You are the architect; let us help you design and build your future.

I hope our paths will cross soon. Bienvenido, bienvenida, y que sus sueños se vuelvan realidad.

Sincerely,

A handwritten signature in black ink that reads "Ray M. Keck, III". The signature is written in a cursive style with a horizontal line extending from the end.

Ray M. Keck, III, Ph.D.

President

TEXAS A&M UNIVERSITY SYSTEM

- Texas A&M University
- Texas A&M International University
- Texas A&M University - Central Texas
- Texas A&M University - Commerce
- Texas A&M University - Corpus Christi
- Texas A&M University - Kingsville
- Texas A&M University - San Antonio
- Texas A&M University -Texarkana
- Texas A&M Health Science Center
- Prairie View A&M University
- Tarleton State University
- West Texas A&M University

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**TEXAS A&M INTERNATIONAL UNIVERSITY
FALL 2011 ACADEMIC CALENDAR**

Apr 4	Registration opens (Returning students see Faculty Advisors or University College Academic Advisors; new transfer students register by appointment with Registrar's Office Advisors); first year students register by appointment with the Office of Recruitment and School Relations. Transfer orientation available online, contact Student Affairs, 326-2280.
June 16-17	New Student Orientation: Dusty Camp - Session I. For more information, call the Office of Student Affairs, 326-2280.
June 30- July 1	New Student Orientation: Dusty Camp - Session II. For more information, call the Office of Student Affairs, 326-2280.
July 14 - 15	New Student Orientation: Dusty Camp - Session III. For more information, call the Office of Student Affairs, 326-2280.
Aug 4 - 5	New Student Orientation: Dusty Camp - Session IV. For more information, call the Office of Student Affairs, 326-2280.
Aug 15 - 16	New Student Orientation: Dusty Camp - Session V. For more information, call the Office of Student Affairs, 326-2280.
Aug 22	Dustdevil Transition. Orientation for Transfer and Non-Traditional Students. For more information, call the Office of Student Affairs, 326-2280.
Aug 23	International Student Orientation. For more information, contact the Office of International Student Services, 326-2428.
Aug 23	Faculty and Staff Assembly. ALL TUITION AND FEES. A \$50 Late Fee will be assessed to students registering and/or paying after this date.
Aug 25	First Class Day.
Aug 31	Final Late Registration Day; course changes continue through September 9 with permission of instructor.
Sep 2	Freshman Convocation.
Sep 5	Labor Day. Classes meet.
Sep 9	Twelfth Class Day; last day courses may be dropped without record. December 2011 graduation application and payment deadline. NO REGISTRATION BEYOND THIS POINT
Sep 11	National Remembrance Day.
Sep 19	Constitution Day.
Sep 21	Twentieth Class Day. All tuition and fees MUST be paid in full to avoid being dropped from course(s) for non-payment. Reinstatement is not an option.
Oct 8	Autmus Fest. Classes meet.
Oct 20 - 22	Midsemester Break. No classes.
Oct 31	Spring 2012 Registration Opens.
Nov 2	Mid-Term Grades due.
Nov 11	Last day to drop a course or withdraw from the University.
Nov 14 - 19	Faculty Evaluations.
Nov 23 - 26	Thanksgiving Holidays.
Dec 6	Last Class Day.
Dec 7	Reading Day. No classes. No Exams.

Dec 8 - 14 Final Examination period.
Dec 17 Commencement; end of Fall 2011 semester.
Dec 18 Grades due, midnight.

SPRING 2012 ACADEMIC CALENDAR

Jan 11 Dustdevil Transition. Orientation for Transfer and Non-Traditional Students. For more information, call the Office of Student Affairs, 326-2280.
Jan 12 **ALL TUITION AND FEES DUE.** A \$50 Late Fee will be assessed to students registering and/or paying after this date. International Student Orientation.
Jan 16 Martin Luther King Holiday; University closed.
Jan 17 First Class Day.
Jan 23 Final Late Registration day; course changes continue through February 1 with permission of instructor.
Feb 1 Twelfth Class Day; last day courses may be dropped without record. May 2012 graduation application and payment deadline.
NO REGISTRATION BEYOND THIS POINT.
Feb 13 Twentieth Class Day. All tuition and fees **MUST** be paid in full to avoid being dropped from course(s) for non-payment. **Reinstatement is not an option.**
Mar 2 Midsemester.
Mar 12 - 17 Spring Break; no classes.
Mar 14 Mid-term Grades due.
April 2 Registration opens for Maymester, Summer and Fall 2012. Orientation dates for all entering students to be announced.
Apr 6 - 7 Easter Holiday; no classes; University open.
Apr 13 Last day to drop a course or withdraw from the University.
Apr 16 - 21 Faculty Evaluations.
May 1 Last Class Day.
May 2 Reading Day. No classes. No Exams.
May 3 - 9 Final Examination period.
May 12 Commencement; end of Spring 2012 semester.
May 13 Grades due, midnight.

MAYMESTER 2012 ACADEMIC CALENDAR

May 11 **ALL TUITION AND FEES DUE.** A \$50 Late Fee will be assessed to students registering and/or paying after this date.
May 14 First Class Day.
May 28 Memorial Day Holiday. No classes.
Jun 1 Last Class Day and Final Exams.

SUMMER SESSION I 2012 ACADEMIC CALENDAR

Jun 1	ALL TUITION AND FEES DUE. A \$50 Late Fee will be assessed to students registering and/or paying after this date.
Jun 4	First Class Day.
Jun 5	Final Late Registration Day.
Jun 7	Fourth Class Day; last day courses may be dropped without record. August 2012 graduation application and payment deadline (no ceremony).
	NO REGISTRATION BEYOND THIS POINT.
Jun 19	Midsemester.
Jun 22	Fifteenth Class Day. All tuition and fees MUST be paid in full to avoid being dropped from course(s) for non-payment. Reinstatement is not an option.
Jun 29	Last day to drop a course or withdraw from the University.
Jul 4	Independence Day Holiday
Jul 5	Last Class Day.
Jul 6	Final Examinations; end of Summer Session I, 2012.
Jul 11	Grades due, 5 p.m.

SUMMER II 2012 ACADEMIC CALENDAR

Jul 5	ALL TUITION AND FEES DUE. A \$50 Late Fee will be assessed to students registering and/or paying after this date.
Jul 9	First Class Day.
Jul 10	Final Late Registration Day.
Jul 12	Fourth Class Day; last day courses may be dropped without record.
	NO REGISTRATION BEYOND THIS POINT.
Jul 24	Midsemester.
Jul 27	Fifteenth Class Day. All tuition and fees MUST be paid in full to avoid being dropped from course(s) for non-payment. Reinstatement is not an option.
Aug 3	Last day to drop a course or withdraw from the University.
Aug 8	Last Class Day.
Aug 9	Final Examinations. End of Summer Session II, 2012.
Aug 15	Grades due, 5 p.m.
Aug 31	Diploma and transcript available for summer degree completers.

SUMMER III 2012 ACADEMIC CALENDAR

LONG SESSION

Jun 1	ALL TUITION AND FEES DUE. A \$50 Late Fee will be assessed to students registering and/or paying after this date.
Jun 4	First Class Day.
Jun 5	Final Late Registration Day.

Jun 7	Fourth Class Day; last day courses may be dropped without record. NO REGISTRATION BEYOND THIS POINT.
Jul 22	Fifteenth Class Day. All tuition and fees MUST be paid in full to avoid being dropped from course(s) for non-payment. Reinstatement is not an option.
Jul 4	Independence Day Holiday
Jul 11	Midsemester.
Aug 3	Last day to drop a course or withdraw from the University.
Aug 8	Last Class Day.
Aug 9	Final Examinations. End of Summer Session III, 2012.
Aug 15	Grades due, 5 p.m.
Aug 31	Diploma and transcript available for summer degree completers.

GENERAL UNIVERSITY INFORMATION

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, Texas A&M International 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 4-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, Texas A&M International University, a member of The Texas A&M University System.

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 bilingual and bicultural community.

Laredo is 156 miles south of San Antonio, 158 miles west of Corpus Christi, and 153 miles north of Monterrey, Nuevo Leon, 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 seem drawn by a colorful environment and tropical climate that affords a pleasant lifestyle for all.

Over 225,000 people call Laredo home and the city is one of the fastest growing cities in Texas and the United States.

The Río Grande river winds its way between Laredo and its sister city, Nuevo Laredo, Tamaulipas, México. Nuevo Laredo is home to over 550,000 people and offers its own rich culture, history and traditions, most proudly shared by the peoples of Los Dos Laredos.

EQUAL OPPORTUNITY POLICY

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, or disabled veteran or veteran of the Vietnam Era who are otherwise eligible for admission as students. Furthermore, Texas A&M International University is an Equal Opportunity Employer and no applicant or employee will be discriminated against because of race, color, religion, sex, national origin, age, disability, or disabled veteran or veteran of the Vietnam Era status.

This University will not enter knowingly into any contractual agreements for services or supplies with any firm failing to follow fair employment practices.

INSTITUTIONAL EFFECTIVENESS

The Southern Association of Colleges and Schools (SACS) and the State of Texas require institutions to demonstrate the outcomes and effectiveness of their programs and services. Information necessary to determine institutional effectiveness may take the form of surveys, focus groups or evaluations. Students will be expected to participate in the collection of this information.

THE SUE AND RADCLIFFE KILLAM LIBRARY

Students and faculty at Texas A&M International University benefit from an attractive library facility that is well equipped to handle traditional print library resources as well as the rapidly expanding electronic library services. It houses more than 273,643 bound volumes, 1,100,305 microfiche and microfilm and over 53,133 state and federal documents. Library users

have access to 1,444 print subscriptions and approximately 32,143 electronic journals in full text or full image. Other research resources include over 51,954 electronic books.

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.

RETENTION STATEMENT

The University is committed to ensuring that all students are provided with an excellent curriculum and support services designed to assist the students to be successful in achieving their individual goals in a reasonable period of time. Entering first year students are offered the opportunity to enroll in a Freshman Year Experience course designed to introduce the students to University resources while enhancing their writing and other academic survival skills. All students have access to a University supported tutoring center.

The 6-year graduation rate for the first-time, full-time freshman class at Texas A&M International University enrolled in Fall 2004 is 39.6%. The 6-year graduation rate for Fall 2004 student athletes is 30%.

STUDENT RIGHT-TO-KNOW AND CAMPUS SECURITY ACT, PUBLIC LAW 101-542 AND AMENDMENTS THERETO

This act is designed to provide prospective or entering students with information concerning (a) campus security policies and procedures, security services available, campus crime statistics, and alcohol and drug use policies; (b) completion or graduation rate of full-time certification-seeking or degree-seeking undergraduate students; and (c) graduation rate of student athletes who receive athletic scholarships. The information concerning campus security is published yearly by the University Police Department and is available on the Internet at: <http://www.tamiau.edu/adminis/police/Crime.htm>. The 6-year graduation rate for the first-time, full-time freshman class at Texas A&M International University enrolled in Fall 2004 is 39.6%.

TUITION REBATES 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. Hours attempted include transfer credits, course credits earned through examinations, courses dropped after the official census date, for credit developmental courses, internship and cooperative courses, and repeated courses. The rebate for eligible students is a maximum of \$1,000.

To be eligible for rebates under this program, students must have: (1) enrolled for the first time in an institution of higher education in the Fall 1997 semester or later, (2) receive the baccalaureate degree from a Texas public university, and (3) been a resident of Texas and entitled to pay resident tuition at all times while pursuing the degree.

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.

Tuition rebates shall be reduced by the amount of any outstanding loan, including an emergency loan, owed to or guaranteed by the state. If a student has an outstanding student loan, the institution shall apply the amount of the rebate to the loan.

Application forms and instructions are available in the Office of the Registrar.

SUPPLEMENTARY UNIVERSITY PUBLICATIONS

Student Handbook (published by the Office of Student Affairs available online)

Student Financial Aid Handbook (published by the Office of Financial Aid available online)

Class Schedule (published by the Office of the Registrar available online)

Faculty Handbook (published by the Provost's Office available online)

STUDENT SERVICES

RECRUITMENT AND SCHOOL RELATIONS

The Office of Recruitment and School Relations is responsible for student recruitment and the Concurrent High School student program. To obtain information on degrees and student life at Texas A&M International University, call or write to:

Office of Recruitment and School Relations

Texas A&M International University
University Success Center Room 126
5201 University Boulevard
Laredo, Texas 78041-1900, U.S.A.
(956) 326-2270 Fax: (956) 326-2269
Toll Free: 1-888-4TX-AMIU (489-2648)
email: enroll@tamiu.edu
<http://www.tamiu.edu/apply>

CONCURRENT ENROLLMENT PROGRAM FOR HIGH SCHOOL STUDENTS

Qualified high school students in 11th and 12th grade may seek early admission to Texas A&M International University for the purpose of gaining credits in university-level classes. A student may not enroll at Texas A&M International University for more than six (6) credit hours each long semester or summer session. A Concurrent Admission Re-authorization Statement must be submitted each subsequent semester and students must maintain a 2.0 or higher grade point average based on a 4.0 scale in order to continue in the program.

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 and reapply before attempting to enroll for another semester.

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 admission policy.

To be admitted as a concurrent student, an applicant must meet the following requirements and submit required documents to the Office of Recruitment and School Relations:

- 1. Application for Concurrent Admission.** This application must include a signed authorization from the applicant's high school counselor. Application should include signature of parent on the Parental Permission statement provided in the application.
- 2. Official High School Transcript** showing completion of the sophomore year with at least an 85 out of 100 grade average for all coursework completed in high school. Copy of current schedule of classes must be attached to transcript. Official transcript must be sent directly from high school attending.
- 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. A minimum overall grade point average of 2.0 is required.

All students must meet Texas Success Initiative (TSI) requirements before enrollment. Concurrently enrolled students who have failed any section of the Texas Higher Education Assessment (THEA), may not take college level courses related to the sections of the test that have not been passed. See [Texas Success Initiative](#) in the section entitled [University College](#).

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, disabled veteran or veteran of the Vietnam Era who are otherwise eligible for admission as students.

Admission to Texas A&M International University is only granted for the semester for which students apply. The University Admissions Standards and Exceptions Committee must approve any exception to admission policy for undergraduate applicants.

Admission Deadlines

The deadlines below are applicable to the semester of entry.

Undergraduate applicants

U. S. Students' Deadlines:

Fall Semester	- July 1 st	Summer Session I - April 1 st
Spring Semester	- November 1 st	Summer Session II - May 1 st

International Students' Deadlines:

Fall Semester	- June 1 st	Summer Session I - March 1 st
Spring Semester	- October 1 st	Summer Session II - April 1 st

**Late applications will be evaluated on a case-by-case basis if there is available space in the program.

Graduate applicants

U. S. Students' Deadlines:

Fall Semester	- April 30 th	Summer Session I - April 30 th
Spring Semester	- November 30 th	Summer Session II - April 30 th

International Students' Deadlines:

Fall Semester	- April 30 th	Summer Session I - April 30 th
Spring Semester	- October 1 st	Summer Session II - April 30 th

*Late Graduate Application Fee applicable to all applications submitted after the deadline.

**Late applications will be evaluated on a case-by-case basis if there is available space in the program.

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
University Success Center Room 129
5201 University Boulevard
Laredo, Texas 78041-1900, U.S.A.
(956) 326-2200 Fax: (956) 326-2199
email: adms@tamiu.edu

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

Office of Graduate Studies and Research

Texas A&M International University
Student Center Room 124
5201 University Boulevard
Laredo, Texas 78041-1900, U.S.A.
(956) 326-3020 Fax: (956) 326-3021
email: graduatestudies@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 (Banner 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 Office of Graduate Studies and Research. 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 TAAS/TAKS 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.

JOINT ADMISSIONS BETWEEN TAMIU AND LAREDO COMMUNITY COLLEGE

The joint admission agreement provides students who wish to begin at LCC the opportunity to be admitted to both institutions and have use of both facilities. Students earn credit towards an associate degree and toward a bachelor's degree simultaneously. For additional information, contact the office of Recruitment and School Relations at (956) 326-2270 or the Office of Admissions at (956) 326-2200.

ADMISSION REQUIREMENTS

ENTERING FRESHMEN

A person having earned a high school diploma, GED, or who is in the process of completing high school credits within two (2) semesters, but not having more than thirty (30) college semester hours of credit, is considered an entering freshman.

To be admitted as an entering freshman, an applicant must meet the following requirements and submit required documents to the Office of Recruitment and School Relations:

1. **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. A minimum overall grade point average of 2.000 is required.
4. The **Scholastic Aptitude Test (SAT) or the American College Testing (ACT) scores.** SAT or ACT scores should not be older than three (3) years prior to enrollment. Students in the top 40% of their high school graduating class are not required a minimum score, but must submit either an SAT or ACT test score. Students not graduating in the top 40% must score a minimum of 900 total on the SAT or a minimum of 19 composite on the ACT.
5. **High School Credits Required** are as follow:

<u>Subjects</u>	<u>Credits</u>
English (I, II, III, IV)	4 units
Mathematics (Algebra I and II, Geometry)	3 units
Science - any two science courses	2 units
Social Studies - any three social studies courses	3 units
Computer Technology	1 unit
The following units are recommended:	
Foreign Language	2 units
Fine Arts	1 unit
6. The Test of English as a Foreign Language (**TOEFL**) is required of students graduating from a high school in a country where English is not the native language. A minimum TOEFL score of 79 (ibt TOEFL) or 213

(Computer-based) or 550 (Paper-based) is required. This score must be sent directly from the Educational Testing Service (ETS) 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 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 at the sophomore (30 to 59 hours), junior (60 to 89 hours), or senior (90 or more hours) level from an accredited college or university is considered a transfer student. Texas A&M International University allows credit for work completed in other institutions which are approved by the appropriate regional accrediting agency.

To be admitted as a transfer student, an applicant must submit the following information to the Office of Admission (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 DEGREE.):

- 1. Application for Undergraduate Admission.**
- 2. Official college/university transcript(s)** from institutions other than Texas A&M International University 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. The Test of English as a Foreign Language (TOEFL)** 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) or 213 (Computer-based) or 550 (Paper-based) is required. This score must be sent directly from the Educational Testing Service (ETS) 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 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.

UNDERGRADUATE ADMISSION AS A SPECIAL NON-DEGREE STUDENT (TRANSIENT)

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.

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

(six-years in the case of some master's programs). 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 2.000 is required.
3. The **Test of English as a Foreign Language (TOEFL)** 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) or 213 (Computer-based) or 550 (Paper-based) is required. This score must be sent directly from the Educational Testing Service (ETS) 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 for UNIVERSITY COLLEGE.

ACADEMIC PROBATION AND PROVISIONAL ADMISSION

Freshmen applicants that are graduating below the top 40% are granted provisional admission for a single semester with a minimum of 840 total on the SAT (Critical Reading and Math sections) or a minimum of 17 composite on the ACT. The applicant may also petition to have their academic credentials reviewed by the University Admissions Standards and Exceptions Committee (USAEC) for a single semester conditional admission. The required documentation, including the *Application for Admissions and Exceptions Committee Review* form, must be submitted to the Office of Admissions no later than two weeks prior to the start of the semester. The committee review form may be obtained at the Office of Admissions or 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 overall 2.0 GPA (including developmental courses) the first semester will be placed on academic suspension.

Transfer applicants with an overall grade point average below 2.00 from all colleges or universities attended may petition to have their academic credentials reviewed by the University Admissions Standards and Exceptions Committee (USAEC) for a single semester conditional admission. The required documentation, including the *Application for Admissions and Exceptions Committee Review* form, must be submitted to the Office of Admissions no later than two weeks prior to the start of the semester. The committee review form may be obtained at the Office of Admissions or 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 2.000 semester grade point average (GPA) by the end of the first semester. Students will be removed from probation when the overall GPA is greater than or equal to 2.000. Students that earn below a 2.0 GPA the first semester or combined summer sessions will be placed on academic suspension.

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.

GRADUATE ADMISSION REQUIREMENTS

A person who has earned a baccalaureate degree and is earning university credit hours is considered a graduate student.

To be admitted to the University as a Graduate or Post-Graduate Student, an applicant must submit the following information to the Office of Graduate Admissions and Research: (For additional requirements see ACADEMIC REGULATIONS - GRADUATE).

- 1. Application for Graduate Admission.**
- 2. Graduate Application Fee of \$35.00; late fee, \$25.00.** (Refer to Admissions Deadlines section)
- 3. Official college/university transcript(s)** from institutions other than Texas A&M International University must be sent directly from each institution attended. Degree must be posted on transcript. The degree must be from a college or university of recognized standing with degrees from institutions outside the U.S. and evaluated for equivalency to U.S. degrees.
- 4. Official Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT)** scores are required only if pursuing a Master's degree or Professional Certificate. Official test scores must be sent directly from the Educational Testing Service (ETS) and be dated within five years of enrollment. Students pursuing the MBA taught in Spanish may choose to take the Examen de Admisión. No admission decision will be made prior to receipt of an official GRE, GMAT, or Examen de Admisión score.
- 5. The Test of English as a Foreign Language (TOEFL)** 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) or 550 (Paper-based) is required.

For Ph.D. in International Business Administration applicants, a minimum TOEFL score of 100 (ibt TOEFL) or 600 (paper-based) 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.

This score must be sent directly from the Educational Testing Service (ETS) and dated within two (2) years of enrollment.

Note: International students must also complete requirements listed under International Student Admission.

Provisional admission may be granted to a student who has not submitted all documents or test scores. The student will be allowed to attend for one semester (i.e., enroll in up to 6 graduate semester credit hours and earn a 3.0 or better grade point average.) 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.

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, departmental requirements or lack of appropriate background for the chosen master's program. Probationary status 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 any additional requirements.

Graduate Admissions Formula *

To meet the minimum admissions requirement, the following formula is used:

$$(\text{Upper-Level GPA} \times 200) + \text{GRE Verbal} + \text{GRE Quantitative}$$

Applicants with formula scores **above 1500** will be **fully admitted** into their graduate program.

Applicants with formula scores **between 1499 and 1200** will be admitted to their graduate program under **Probationary Admissions** status.

Applicants with formula scores between 1499 and 1200 will be holistically reviewed by the department or program admissions committee.

*Applicants to programs with additional admission requirements will need to satisfy all requirements before being admitted into that graduate program.

All other admissions to graduate programs is through departmental admission committees. 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), and professional and/or academic experience.

Students who are not in good standing, who apply to a new graduate program, must be reviewed by the new program's departmental/ program admission committee.

Individual departments may require other indicators of potential for success. Applicants should check the specific program admission requirements. Contact the Dean's Office in the College for additional information. Applicants to individual colleges who have obtained a Master's or Law degree from a regionally accredited institution may be exempt from the GRE.

The **College of Arts and Sciences (COAS)** reviews applicants prior to the beginning of each long semester. All COAS master program applicants must submit satisfactory GRE scores to be admitted, with the exception of the MPA program which will accept the GMAT in lieu of the GRE. Spanish majors must also pass a departmentally administered examination.

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 ADMISIÓN), statement of purpose, résumé, 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, GRE scores, letters of recommendation, interviews, and other relevant documentation. The College may grant conditional admission for a maximum of six graduate hours to students who have not met the GRE requirement and who hold a bachelor's degree from an accredited institution. Conditional status must be removed at the end of the six semester credit hours and before any other coursework can be taken.

The **Canseco School of Nursing in the College of Nursing and Health Sciences** reviews applicants in June prior to the beginning of graduate coursework in the Fall. All MSN program applicants must apply directly to the College of Nursing and Health Sciences.

Deferment of Admission: Students wishing to defer their offer of admission can do so using the Leave of Absence Form available from the Office of Graduate Studies and Research. Deferrals will only be granted for a term of up to one year from the offer of admission. Students who defer their admission for more than one year will have to reapply.

To meet the minimum admissions requirement, the following formula is used:

$$(\text{Upper-Level GPA} \times 200) + \text{GRE Verbal} + \text{GRE Quantitative}$$

Applicants with formula scores above 1500 will be fully admitted into their graduate program. Applicants with formula scores between 1499 and 1200 will be admitted to their graduate program under Probationary Admissions status.

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.

For additional information or to access the Undergraduate Enrollment in Graduate Course Form, contact the Office of Graduate Studies and Research by phone at (956) 326-3020 or by email at graduateschool@tamiu.edu.

GRADUATE ADMISSION AS A SPECIAL NON-DEGREE STUDENT

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, etc., 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 Office of Graduate Studies and Research. 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 Office of Graduate Studies and Research.

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

1. **Application for Graduate Admission.**
2. **Graduate Application Fee of \$25.00; late fee, \$10.00.** (Refer to Admissions Deadlines section)
3. **Official college/university transcript(s)** Graduate students must 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. The **Test of English as a Foreign Language (TOEFL)** 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) or 550 (Paper-based) is required. This score must be sent directly from the Educational Testing Service (ETS) and dated within two (2) years of enrollment.

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 UNDERGRADUATE ADMISSION REQUIREMENTS or GRADUATE ADMISSION REQUIREMENTS 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 and graduate applicants must submit the documentation to the Office of Graduate Studies and Research. In addition, International students must submit the following:

1. A minimum **Test of English as a Foreign Language (TOEFL)** score of 79 (ibt TOEFL) or 213 (Computer-based) or 550 (Paper-based) is required. For Ph.D. in International Business Administration applicants, a

minimum TOEFL score of 100 (ibt TOEFL) or 600 (paper-based) or 250 (computer-based) is required. This score must be sent directly from the Educational Testing Service (ETS) and dated within two (2) years of enrollment. Residual TOEFL exam taken at another institution will not be accepted. See TOEFL exemptions below.

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 400 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	Dominica	New Zealand
Australia	Grenada	Guyana
Bahamas	Grand Cayman	Sierra Leone
Barbados	Ireland	Trinidad/Tobago
Belize	Jamaica	United Kingdom
Canada (except Quebec)	Liberia	U.S. Pacific Trust

2. Only graduate students need an **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 Office of Graduate Studies and Research. Students who graduated from Mexican institutions must present an original *Titulo* to be photocopied at the Office of Graduate Studies and Research. The *Carta de Pasante* will not be accepted.
3. A completed **Financial Statement form**. This form requires official certification of sources of funds from the student.
4. A **Letter of Sponsorship** is required from the party who will financially support the applicant during pursuit of degree. The letter should certify the sponsor's commitment to pay the educational, living, health, and personal expenses of the applicant until completion of the degree(s). A sponsor may be the student, student's parents or a third party organization. The sponsor's letter must be dated within six months of the first enrollment according to dates listed below.
5. A **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:

Fall Semester-January 1 or later	Spring Semester-May 1 or later
Summer I-October 1 or later	Summer II-November 1 or later
6. Proof of sufficient **Medical Insurance** Coverage. The University requires each international student to have mandatory health insurance coverage while in the USA. The student should enroll in the University plan, Associated Insurance Plans International, Inc. (see website www.tamuinsurance.com). The university plan will cost approximately \$702 to \$2,998 per year. This coverage is the same for all Texas A&M University System schools. The student may enroll once arriving on campus or through the automated tuition and fee process.

Immigration documents such as passport, I-p4 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).

Contact the Office of Student Affairs for additional information at (956) 326-2282 or visit the office located in SC 226.

Note: 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 Department of International Student Services. For more information regarding student visa requirements, please contact International Student Services by calling (956) 326-2282 or (956)326-2428.

RESIDENCY REQUIREMENTS

All students enrolled at Texas A&M International University in academic courses must meet the residency requirements as set by Texas State Law.

RESIDENTS

All students who are U. S. citizens or Permanent Resident Aliens or persons permitted by the U. S. Government 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 Office of Graduate Studies and Research. Information on these rules and regulations is also available at the THECB website at <http://www.thecb.state.tx.us>.

NON-RESIDENTS

All students coming from outside the state for the sole purpose of studying shall be classified as non-resident for the duration of their program. However, pursuant to *Vernon's Texas Codes Annotated-Education Code*, Section 54.052(e), "An individual who is 18 years of age or over who has come from outside Texas and who is gainfully employed in Texas for a 12-month period immediately preceding registration in an educational institution shall be classified as a resident student as long as he/she continues to maintain a legal residence in Texas.

RESPONSIBILITIES AND PENALTIES

The responsibility of enrolling under the proper status is placed on the student. Any attempt on the part of a non-resident to evade the non-resident fees will be taken seriously and may lead to expulsion from the University. *Vernon's Texas Codes Annotated-Education Code*, Section 54.061 states "The governing board of an institution of higher education may assess and collect from each non-resident student who fails to comply with the rules and regulations of the Board concerning non-resident fees a penalty not to exceed \$10 a semester."

If a student has been erroneously classified as a non-resident and subsequently proves to the satisfaction of the Residency Determining Officer(s) of the University that he/she was entitled to Texas residency status, the classification will be corrected and the student will be entitled to a refund of the difference between in-state and non-resident fees for each semester in which he/she was erroneously classified.

RECLASSIFICATION

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 Office of Graduate Studies and Research.

MILITARY RESIDENCE

U. S. Military personnel and reservists stationed in Texas and their dependents are eligible to pay in-state tuition during their tour of duty in Texas. A verification of duty status form or letter from the military member's commanding or personnel officer must be submitted before enrolling as an in-state student. Any change in the duty status could necessitate a review of a previous decision.

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 Office of Office of Graduate Studies and Research at (956)326-3020.

BINATIONAL CENTER

The Binational Center enhances relationships between the United States and other countries by promoting civic and social organizations and institutions through research, education, leadership, and public service. Selected activities of the Binational Center include:

- Designing educational venues that will contribute to the successful development of international relationships between practitioners and government.
- Creating communication streams between American and Mexican universities and other organizations, as well as highlighting public service with specific programs geared to train or enhance the management of local and international non-profit organizations.
- Enhancing the development of binational community service programs.
- Training, developing, and educating the next generation of leaders through diverse campus resources.
- Providing grant writing resources for non-profit organizations through our regional Cooperating Collections Library.

Texas A&M International University
5201 University Boulevard
Pellegrino Hall #301 and Student Center #118
Laredo, Texas 78041-1900
Tel: 956-326-3067 and 956-326-2834
Fax: 956-326-2836
Email: binationalcenter@tamiu.edu

OFFICE OF CONTINUING EDUCATION

The Office of Continuing Education offers the opportunity to continue learning through our exciting programs for professional development, adult learning courses, and stimulating children summer camps that enrich and enhance their professional and personal life. It offers local conferences, institutes, and seminars to further the continued professional development related to discipline specific topics, such as Advanced Placement Certification for teachers. The Office of Continuing Education also provide training resources for the continuing education units of professional occupations that require licenses, certificates, and credentials such as the GRE, SAT, ACT, and paralegal certification courses. Additionally, it offers enrichment programs of non-traditional courses and camps for individuals of all ages, such as academic, robotics, fine arts, and dance camps for children, to name a few. There are adult seminars for varying interests such as computer classes and dance classes.

Office of Continuing Education
5201 University Boulevard, Pellegrino Hall 302C
Laredo, TX 78041
Tel. 956.326.2765 — Fax 956.326.2909
Email: kim.martindelcampo@tamiu.edu
Office Hours: Mon - Fri, 8 am - 5 pm
<http://www.tamiu.edu/dip/ContEducationIndex.shtml>

CERTIFICATE IN INTERNATIONAL STUDIES

This Certification is intended for undergraduate students in various disciplines across TAMIU 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 Binational Center for Research, Education, Leadership, and Public Service (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 proves useful both in terms of career opportunities and contribution 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 TAMIU
- submit an application for the CIS program to the Binational Center

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 a focus group scheduled by the Binational Center after completion of required CIS courses

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 International Programs Advisor.

College of Arts and Sciences

ANTH 3304	ENGL 4397	HIST 3394	PSCI 4309
ANTH 3306	GEOG 3351	HIST 4342	PSCI 4335
ANTH 3308	GEOG 3352	HIST 4391	PSCI 4340
ANTH 4302	GEOG 3353	MATH 4385	PSCI 4350
ANTH 4351	GEOG 4395	PORT 3324	SOCI 3308
ARTS 3310	HIST 3330	PSCI 3305	SOCI 4318
COMM 4320	HIST 3351	PSCI 3308	SPAN 4317
ENGL 3326	HIST 3352	PSCI 3310	SPAN 4371
ENGL 4326	HIST 3380	PSCI 3340	SPAN 4397
ENGL 4334	HIST 3392	PSCI 3353	Study Abroad
ENGL 4355			

A. R. Sanchez, Jr. School of Business

BA 3320	ECO 4340	ECO 4390	TIL 3311
BA 4390	ECO 4350	FIN 4380	Study Abroad
ECO 3325	ECO 4370	MKT 4310	

College of Education

EDBE 3322	EDBE 3340	EDBE 4336	EDRD 3302
EDBE 3325	EDBE 4310	EDBE 4399	EDRD 4317
EDBE 3326	EDBE 4334	EDDP 4324	Study Abroad
EDBE 3338	EDBE 4335	EDHW 3341	

College of Nursing and Health Sciences

NURS 1302	NURS 4340	Study Abroad
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Students interested in pursuing the Certificate in International Studies should register with the BNC and meet with its faculty advisor. Students must complete the appropriate form with the BNC as soon as possible, but no less than one semester before completion of their degree. The BNC and the Office of the Registrar will provide, at graduation, the documentation certifying the completion of the certification.

CERTIFICATE IN LATIN AMERICAN STUDIES

Awareness of Latin America 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 Binational Center for Research, Education, Leadership, and Public Service (BNC) and the Office of the Registrar.

The rapid growth in relations between the United States and Latin America has created the need for professionals who are able to bridge both cultures. TAMIU's international faculty and the university's location on the US-Mexico border make a 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 proves useful both in terms of potential career opportunities and 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 program to the Binational Center

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 a focus group scheduled by the Binational Center after completion of CLS required classes

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 Binational Center advisor.

College of Arts and Sciences			
ANTH 3308	HIST 3385	SOCI 3308	SPAN 4309
GEOG 3352	PORT 3324	SOCI 4317	SPAN 4317
HIST 3301	PSCI 3308	SOCI 4318	SPAN 4371
HIST 3330	PSCI 4309	SPAN 3323	URBS 4302
HIST 3352	SOCI 3307	SPAN 3326	

A. R. Sanchez, Jr. School of Business

ECO 3325 ECO 4370

Study abroad in a Latin American Country

Students interested in pursuing the Certificate in Latin American Studies should register with the BINC and meet with its faculty advisor. Students must complete the appropriate form with the BINC as soon as possible, but no less than one semester before completion of their degree. The BINC and the Office of the Registrar will provide, at graduation, the documentation certifying the completion of the certification.

CERTIFICATE IN INTERNATIONAL LEADERSHIP

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:

- have a completed at least 30 of 42 SCH core curriculum and have at least sophomore standing
- be pursuing an academic major at TAMIU
- submit an application for admission to the program to the Binational Center

Criteria for Earning the Certificate

The student must:

- successfully complete a minimum of four required courses noted below
- attain at least a 2.75 GPA in the selected courses with no less than a C in any course
- present a portfolio of work completed to the Binational Center in conjunction with the capstone course.

Each 3-credit course has been selected based on its context and relevancy for fostering understanding of the identified learning outcomes. It is not an exclusive list. Other courses that address the learning outcomes may be substituted with approval of the Binational Center advisor and the instructor offering the course. The introductory Foundations of Leadership course and the capstone course cannot be substituted.

- Group 1 - One course from
COMM 4320 Transnational Trends in Communication **OR**
COMM 4340 Intercultural, Professional and Personal Ethics
- Group 2 - One course from
ANTH 4351 Cultural Anthropology
ENGL 4355 History of Literary Thought
SOC 4317 Race and Ethnic Relations
SOC 4318 Globalization
- Group 3 - Completion of the following
UNIV 2301 Foundations of Leadership
UNIV 4301 International Leadership Capstone
Successful service learning experience
Forty hours of documented community service

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 decision-making is a continuous process that involves active learning about self, education, and career possibilities. Career Services' mission is to help students explore, select, prepare for and enter satisfying careers fitting their personal interests, abilities, and values. There are two ways to go about making a career decision: a.) select a major based on interest, and gradually develop a career goal along the way, or b.) establish a career goal first, and then select a major that will provide the best preparation for that goal. Either way, it is important to understand the relationship between your academic goals and your career goals. Career Services offers the following services to assist students and alumni in this quest:

- ◆ **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 Brigg Type Indicator (MBTI) personality type inventory, or the Self-Directed Search Inventory.
- ◆ **Career Fairs:** Held on a semester basis, these fairs provide current job, internship, graduate school information, and networking opportunities. A teacher fair is also organized on a semester basis. These events enable participants to talk directly with representatives of corporations, non-profit agencies, federal and state agencies, government, school districts, volunteer organizations, and graduate schools, among others.
- ◆ **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 Spring Fair provides an opportunity to interact with prospective employers. The Fall Fair facilitates contact between graduate and professional schools. The Teacher Fair brings students and school district representatives together for networking and employment opportunities.
- ◆ **Job Vacancy Notices:** Current job openings are advertised via Dusty Works, an online job database, and are categorized by information by on-campus, part-time, full-time and internship 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. Sign up for on campus interviews are available online through Dusty Works.
- ◆ **Résumé Referral Service:** Students and alumni can upload their resume online through Dusty Works! With this free resume referral service, students' resumes are sent directly to employers with immediate hiring needs.
- ◆ **Résumé Critiques and Practice Interviews:** Professional staff provides objective feedback and helpful suggestions to assist students and alumni in composing a high-quality resume and improve their interviewing skills.
- ◆ **Workshops:** Throughout the semester, these group sessions aid students in writing cover letters, resumes, and preparing for an interview. Special topics and other career-related issues are presented regularly to student groups, classes, or upon request.
- ◆ **Special Programs:** Activities include employers making presentations to classes with topics ranging from careers and internship opportunities, interviewing techniques and business etiquette.

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) 326-2260.

COUNSELING SERVICES AND DISABILITY SERVICES FOR STUDENTS

COUNSELING AND PSYCHOLOGICAL SERVICES

Counseling and psychological services are available to all Texas A&M International University students. Student Counseling Services offers a broad range of psychological services for currently enrolled students at no cost. Our Mission Statement reads,

“The Office of Student Counseling and Disability Services works to promote a supportive learning community to empower all TAMIU students to be capable and competent adults while adjusting to the challenges and transitions to University life and a multicultural setting. The services include: individual, couple and group counseling; mental health awareness programs; special events; and academic and facility accommodations for students with disabilities.”

Student Counseling Services staff understand that psychological adjustment is connected to the health of the whole person—including the physical, mental, emotional, spiritual, and social well-being of the individual. As such, staff clinicians may use testing and assessment to assist in diagnosis, treatment planning and to facilitate the helpfulness of therapy. The majority of our counseling activities span social-emotional and educational-career concerns. Assistance is often provided for concerns such as stress management, adjustment to college, study skills, time management, depression, anxiety, relationship difficulties, grief, and self-destructive behaviors.

The Student Counseling Services provides a variety of services for the TAMIU community. Our main service is counseling/psychotherapy provided individually, as a couple, or as a group. Psychological education is also offered through workshops held periodically around campus.

In general, our staff’s work with individuals emphasizes short-term treatment, which utilizes an issue of focus for counseling determined by both the individual and the clinician, and aims at management of that particular issue within a relatively brief amount of time. Student Counseling Services offers support for a variety of challenges and concerns that at times do require professional assistance as well as referral to medical, nutritional, and/or other appropriate community resources to maximize health and well-being. Additionally, the staff is happy to assist individuals in identifying long-term or more intensive treatment options in the community in cases where extended care is indicated.

Through our endeavors we support the educational mission of Texas A&M International University. As a staff, we attempt to facilitate mutual respect and understanding among people of diverse backgrounds, spiritual beliefs, sexual orientation, physical ability and other types of diversity.

Student Counseling Services is located in the Student Center building, Room 124. The staff is on call after regular hours of operation of the University. Typical hours of service include Monday through Friday, 8 am -5 pm, throughout the year. In the event of a crisis after regular hours of service or during university holidays, campus police may be contacted at 326-2100.

For questions, or to make an appointment to speak with a counselor, please call (956) 326-2230 (voice/TTY), or stop by Student Center, Room 124.

DISABILITY SERVICES FOR STUDENTS

Texas A&M International University is aware of and deeply concerned with the unique challenges that face students with disabilities. Texas A&M International University is committed to reducing and eliminating a number of barriers that such students may encounter as they work towards their educational goals.

Our mission statement reads, “Disability Services for Students promotes a supportive learning community to empower students with disabilities to accomplish their academic goals by ensuring accessibility to university programs. We aim to foster greater awareness both of, and for, persons with disabilities in our multilingual, multicultural international environment.” Disability Services for Students will assist any student who has an appropriately documented disability in coordinating needed support services, physical or academic. These services will be coordinated between the University and if available, with government or private agencies.

Students with appropriately documented disabilities may request reasonable accommodations which will afford them equal access to all educational programs and activities that Texas A&M International University provides or sanctions. The Rehabilitation Act of 1973, Section 504, states and requires that qualified students with disabilities have the right to request

and obtain reasonable accommodations to afford students equal access to courses, program services, activities, and facilities offered through the University.

Although students with disabilities may request services at any time during the school year, students are encouraged to meet with the Disability Coordinator or Director of Student Counseling Services to request services at least (3) three months before entering Texas A&M International University. To be eligible for services, a student must be enrolled at Texas A&M International University, have submitted to Disability Services for Students appropriate, current documentation concerning the disability, and have made a special request concerning the disability.

Each request for services made to Disability Services for Students will be taken into consideration on an individual basis. Students have the right to due process proceedings to challenge or correct actions the University or Disability Services for Students has taken, may take, or has not taken for an individual student's benefit, or if Disability Services for Students has failed to aid the student in a reasonable fashion. If the student feels that her or his documented disability is not being appropriately accommodated by Texas A&M International University's Disability Services for Students, the student has the right to obtain outside legal counseling or proceedings.

Texas A&M International University's Disability Services for Students offers a variety of services for students with disabilities, including the following: accessible furniture in classrooms, assistance in recruiting note takers, assistance in ordering textbooks on tape, assistance in taping textbooks when textbooks on tape are not available, equipment loan (cassette players/recorders), materials enlarged (e.g., exams, handouts), sign language interpreters, alternative testing arrangements, counseling and other reasonable services.

Students with disabilities at Texas A&M International University are expected to: meet the University's qualifications as well as essential technical, academic, and institutional standards; provide documentation from an appropriate professional explaining how their disability limits functioning in courses, programs, services, etc.; identify themselves in a timely manner to the Office for Disability Services for Students when seeking reasonable accommodations; meet qualifications and maintain essential instructional standards for courses, programs, services, etc.; seek information, counsel, and assistance as necessary; and follow specific procedures for obtaining reasonable accommodation(s) and/or auxiliary aid(s) and services.

This office is part of the Student Counseling Services. To make an appointment, call (956) 326-2230 (voice/TTY), Room 124, Student Center.

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. The financial aid program is designed for all students who have demonstrated financial need for assistance to meet University expenses and who are making satisfactory academic progress, as defined by the Office of Student Financial Aid. A copy of the Satisfactory Academic Progress Policy (SAP) is available online. All students who apply for financial aid must meet the SAP Policy at all times whether financial aid was received or not. Those students who fail to comply with the SAP Policy by the end of the academic year or semester will be given the opportunity during the summer sessions "probation" period to regain satisfactory academic standing before being denied financial aid. Students who are on scholastic probation or enforced withdrawal are not eligible for financial aid.

To apply for financial aid, a student must submit to the U. S. Department of Education a *Free Application for Federal Student Aid* (FAFSA) at www.FAFSA.gov or mail it. Students who have previously applied for federal student aid will receive a reminder to do their application by mail or e-mail.

Federal financial aid applications are available from high school counselors, online at www.FAFSA.ed.gov, or by contacting:

The Office of Financial Aid
Texas A&M International University
5201 University Boulevard
University Success Center, Room 214
Laredo, TX 78041-1900
(956) 326-2225
Email: financialaid@tamiu.edu

FAFSA School Code: 009651

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/affairs/financial/>.

The priority deadline to complete financial aid folders for each semester is as follows

Semester	Priority Deadline
Fall or entire financial aid year	March 15
Summer	May 1
Spring	December 3

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 Financial Aid Office.

GRANTS

The **Federal Pell Grant** is available to undergraduates who have not received a baccalaureate degree and that demonstrate financial need. This grant provides a foundation of financial aid to which assistance from other sources may be added.

The **Federal Supplemental Educational Opportunity Grant (FSEOG)**, the **Texas Public Education Grant (TPEG)**, and the **Resident Assistant Grant** are available to students whose federal financial aid application results show evidence of financial need, and enroll full-time (12) hours each semester provided funds are available.

Toward EXcellence, Access, and Success (TEXAS) Grant is available to Texas residents who have financial need according to the FAFSA and have completed the recommended or distinguished curriculum from an accredited public or private Texas high school; it is also subject to funds availability.

LOAN PROGRAMS

The Texas B-On-Time Loan program is available to eligible Texas residents having completed the recommended or distinguished curriculum from an accredited public or private Texas high school. Application information will be furnished with the financial aid offer, if applicable, and as funds are available. The no-interest loan may be forgiven upon graduation

if the student receives an undergraduate degree or certificate from an eligible institution and the student graduated with a cumulative GPA of at least a 3.0 on a four-point scale, within 4 calendar years after the date the student initially enrolled in an eligible institution, or graduated with a cumulative GPA of at least 3.0 on a 4.0 scale, with a total number of credit hours (including transfer hours and hours earned exclusively by examination) that is no more than 6 hours beyond what is required to complete the degree or certificate.

IRS regulations indicate that these loans must be reported as taxable income when they are forgiven. For more information, please call (512) 427-6340 in Austin or toll-free (outside Austin metro) 1-800-242-3062.

The William D. Ford Direct Student Loan Program (**Federal Subsidized and Unsubsidized Loan Programs**) and the **Hinson-Hazelwood Loan Program** are available to students who have submitted a FAFSA, are meeting satisfactory academic progress and whose need has not been met through other resources. Students will be notified of their eligibility for the Direct Loan program(s) through a financial aid offer.

The **Federal Parent Plus Loan (FPLUS)** is available for parents of enrolled dependent students. Applications for the FPLUS should be submitted at least twelve weeks before the end of the semester for which the student is enrolled. Information on eligibility requirements and applications on these and other long-term loan programs is available upon request from the Office of Student Financial Aid, (956) 326-2216. 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.

The **Federal Graduate Plus Loan (FGPLUS)** is available for 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. Information on eligibility requirements and application is available upon request from the Office of Student Financial Aid, (956)326-2216. 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.

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.

THE STUDENT EMPLOYMENT PROGRAM

The Office of Financial Aid coordinates student part-time employment, both Non-need based (student employee) and Need based (Work Study). Students may visit the online job database (DUSTY WORKS) for applications, eligibility requirements, and current postings at <https://www.myinterfase.com/tamtu/student/home.aspx> located on the Office of Student Financial Aid website http://www.tamtu.edu/affairs/financial/student_employment.shtml. Student employees and work-study employees are paid at least minimum wage and are paid bi-weekly along with regular University employees. Part-time employees are not eligible for fringe benefits, paid holidays, retirement, vacation or sick leave.

Federal and state 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 College Work-Study Programs, a student must have submitted a FAFSA, have financial need, be enrolled or accepted for enrollment and be making satisfactory progress if enrolled.

The Community Service Program allow students who qualify for the federal 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 for area elementary and middle school students. 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 Student Financial Aid has the right to discontinue employment if student/work-study employee does not meet and/or maintain the registration and/or grade point average requirements listed above. All student employee job applications are processed through the Office of Student Financial Aid, University Success Center Room 214, (956) 326-2165.

SCHOLARSHIPS

TAMTU General Scholarship for Incoming Freshmen

The TAMTU General Scholarship applications for competitive one to four year awards for first-time freshmen are available from the Office of Recruitment and School Relations. This program provides awards to high school graduates exhibiting

outstanding academic achievement in high school and/or needing financial assistance to attend the University, Financial benefits range from \$1,000 to \$5,000 and vary in length from 1-4 years. Some awards are restricted as to course of study or degree objective.

High school graduates who have not attended another college or university are eligible to apply for this scholarship program prior to the fall semester entrance. To be considered for such an award the applicant must have been admitted to the University. Recipients are selected on the basis of the applicant's academic record in high school, test scores, activities, leadership and, if applicable, financial need.

Applications must be submitted by February 15 for the priority deadline. For students who did not meet the priority deadline they must submit their application by June 1.

Valedictorians

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 college or university of full-time enrollment. No formal application is required. Qualified students must present their official valedictorian declaration to the Registrar's Office during the beginning of the fall semester.

Early High School Graduation Scholarship Program

This program is subject to state funding from the State Legislature. Texas residents who attended public high school only in Texas and completed grades 9-12 in no more than 36 consecutive months are eligible for a \$1,000 tuition scholarship. The high school counselor must send a letter to the Texas Higher Education Coordinating Board certifying the student's eligibility. A letter is sent to the Office of Financial Aid confirming the student is eligible for the graduation scholarship.

TAMIU General Scholarship for Continuing Students

The TAMIU General Scholarship applications for competitive one year awards for current students are available from the Office of Student Financial Aid. Deadline to apply for this scholarship is June 1. This program provides awards to current TAMIU students exhibiting outstanding academic achievement and/or needing financial assistance to attend the University. Financial benefits 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.

TAMIU General Scholarship for Transfer Students

The TAMIU General Scholarship applications for competitive one year awards for transfer students are available from the Office of Student Financial Aid. Deadline to apply for this scholarship is June 1. This program provides awards to transferring students exhibiting outstanding academic achievement and/or needing financial assistance to attend the University. Financial benefits 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.

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 a citizen of a country other than the United States of America is entitled to pay the fees and charges required of Texas residents without regard to the length of time the student has resided in Texas. This scholarship must be awarded by a scholarship committee officially recognized by the Texas A&M International University Administration, and each waiver must be approved.

Other scholarships are directly available through the Office of Student Financial Aid website, <http://www.tamiu.edu/affairs/financial/> or office at USC 114, (956)326-2229.

Miscellaneous Scholarship Information

Fellowships and scholarships for graduate students are handled 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, deadline is May 1.

HEALTH SERVICES

Student Health Services is staffed with fully qualified nursing personnel. The purpose 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 health care services. Some of the services provided are:

- ◆ Emergency first aid and referral to medical facilities or services
- ◆ Physician Consultation available upon referral
- ◆ Consultation with Physician by appointment, subject to availability
- ◆ Emergencies are seen as soon as possible
- ◆ Immunizations
- ◆ Tuberculosis (TB) screening available Monday, Tuesday, Wednesday, and Friday
- ◆ Blood pressure screening and monitoring
- ◆ Vision screening
- ◆ Weight control monitoring
- ◆ Health promotion and disease prevention for individuals and groups
- ◆ HIV/AIDS information, testing can be confidentially arranged
- ◆ Medication Prescriptions

To make an appointment, call 326-2235.

ALCOHOL/DRUG EDUCATION AND PREVENTION

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

INTERCOLLEGIATE ATHLETICS

Texas A&M International is a member of the National Collegiate Athletic Association (NCAA) and the Heartland Conference. The NCAA is a voluntary organization through which the nation's colleges and universities govern their athletics programs. It comprises more than 1,250 institutions, conferences, organizations and individuals committed to the best interests, education and athletics participation of student-athletes.

The Heartland Conference is a NCAA Division II conference comprised of the following institutions: University of Arkansas-Fort Smith, Dallas Baptist University, Newman University, Oklahoma Panhandle State University, St. Edward's University, St. Mary's University, Texas A&M International University and University of Texas of the Permian Basin.

Athletic teams at Texas A&M International are known as the "Dustdevils" and the official school colors are maroon and silver.

Texas A&M International University currently sponsors the following eleven 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
- Volleyball

RECREATIONAL SPORTS

The 45,000 sq. ft. Kinesiology, Wellness and Recreation Center is located on the southeast side of campus. The Rec. features open recreation areas for indoor sports and exercise as well as scheduled fitness and intramural programming. Recreational Sports provides programs, facilities, and services that promote active participation allowing the opportunity to achieve individual potential while having fun, relieving stress, and promoting community and spirit. The Recreational Sports Department offers informal recreation at the Kinesiology and Wellness Recreational Center, organized competitions (Intramurals and Sport Clubs), structured group/personal fitness opportunities (Fitness), and healthy lifestyle habits seminars (Wellness). In addition to services and programs, the Recreation Center also provides students opportunities to engage in non-recreational activities at our Dusty's Den game room located in room 210 of the Student Center. Whether interested in getting in shape or staying in shape through participation, students, faculty, staff, alumni, and University affiliates are provided an opportunity to relieve stress, be fit and have fun! For more information, tour the facility or call 956-326-3015. Information is also available online at www.tamtu.edu/recsports.

STUDENT AFFAIRS

LEARN SERVE LEAD SUCCEED

The Office of Student Affairs promotes and encourages experiences and opportunities that will allow students the ability to mature and create a positive atmosphere as they excel in their future within themselves, the University and the community at large. The Office of Student Affairs is committed to the co-curricular development of all students enrolled at TAMIU. Through a holistic approach, Student Affairs supports student life and experiences. Student Affairs is charged with new student orientation, student clubs and organizations, the Student Handbook, student conduct, student complaint resolution, student service learning initiatives, and student leadership opportunities.

Involvement in one or more of the university's organizations can add an important dimension to a student's university experience. Involvement is a way to balance one's life, meet new people, and develop interpersonal and leadership skills. In addition, prospective employers often look at what students have accomplished and experienced outside of their coursework. For all these reasons, the Office of Student Affairs supports the belief that students can and should learn from experiences as well as from their courses.

The Office of Student Affairs provides direct advisement to the Student Government Association, Orientation Leaders, Campus Activities Board, the Honor Council, and the Student Conduct Board, among others. The staff of the Office of Student Affairs is committed to providing Texas A&M International University students with the best possible programs and services that meet the needs of all students. For more information call (956) 326-2280.

Student organizations on campus include:

- Alpha Psi Lambda, INC.
- American Medical Student Association (A.M.S.A.)
- ANIME
- Association of International Students
- Baptist Student Ministries (BSM)
- Campus Activities Board
- Campus Crusade for Christ
- Club Alma Gitana
- College Assistance Migrant Program Organization of Students (CAMPOS)
- Delta Psi Alpha
- Gay and Straight Alliance
- Indian Students Association TAMIU
- International Business Association
- Kappa Delta Chi
- Kappa Delta Pi
- Lady Lilies
- Laredo Lynx
- Mathematical Society of TAMIU
- MENC Collegiate Chapter #1167
- Model United Nations
- National Student Speech Language Hearing Association (NSSLHA)
- Newman Club
- Omega Delta Phi Fraternity Inc.
- Phi Alpha Delta Pre Law
- Psychology Club
- Sigma Nu Delta
- Social Work Student Organization
- Society of Engineering at TAMIU (SET)
- Spanish Club
- Star Club
- Student Government (SG)

- Student Nurses Association
- Students in Free Enterprise (SIFE)
- Tae Kwon Do
- TAMIU Ballet Folklorico
- TAMIU College Democrats
- TAMIU Criminal Justice
- TAMIU Dance Club
- TAMIU Guitar Club
- TAMIU History Club
- TAMIU Student Ambassadors

Honor Societies:

- Nu Kappa Tri Beta Biological Honor Society
- Phi Delta Kappa
- Phi Kappa Phi
- Sigma Delta Pi Hispanic Honor Society
- Sigma Tau Delta International English Honor Society
- Psi Chi The International Honor Society in Psychology

NEW STUDENT ORIENTATION

Students entering Texas A&M International University have individual interests, goals, abilities, and needs. Hundreds of students enter the university each year. New student orientation has been developed to address the needs of students.

A \$50 nonrefundable fee is assessed to all first time freshmen students for orientation. Orientation is mandatory for all first time freshmen and offered throughout the months of June, July and August.

Freshmen and transfer students participating in these orientation activities conducted by the Office of Student Affairs will be given information and assistance relating to housing and opportunities available for them in student life areas. International students will also have specific sessions addressing their particular needs, all of which are in addition to attending the standard new student orientation activities. For information, call 326-2280.

STUDENT GOVERNMENT ASSOCIATION

The representative governing body of all students at Texas A&M International University is Student Government. 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. Student Government 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.

INTERNATIONAL EDUCATION PROGRAMS

The Office of International Education (OIE) 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 year long 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. Study abroad information sessions are conducted on a weekly basis in Student Center 224.

Office of International Education
www.tamui.edu/dip/oie
Texas A&M International University
Student Center 224
5201 University Boulevard
Laredo, Texas 78041-1900, U.S.A.
(956) 326-2565 Fax: (956) 326-2279

INTERNATIONAL STUDENT SERVICES

The University recognizes that international students on this campus bring with them both special resources and special needs. The increased international awareness which they create is important to the entire academic community. At the same time, the University wants each student to have the best possible educational and personal experience while in the United States. To achieve these objectives, International Student Services offers a variety of services to international students. These include assistance with academic direction, vocational and education direction, immigration regulations, community adjustment, and coordination of services provided by Admissions, Financial Aid, Business, Housing and Registrar's offices.

International Student Services
Texas A&M International University
Student Center 226
5201 University Boulevard
Laredo, Texas 78041-1900, U.S.A.
(956) 326-2282 Fax: (956) 326-2279

STUDENT CENTER

Whether you stop for a meal, or would like to apply for an on-campus job, the Student Center is one-stop-shopping for Student Services. 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.

“What’s in the Student Center?”

Aramark Foodservice: Located on the first floor in room 127, 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.

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.

Dusty's Diner: Located on the first floor in room 105, an all-you-can-eat buffet serving breakfast, lunch, and dinner seven days a week catering to students, faculty and staff.

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.

Game Room: Located on the second floor in room 210, 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.

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.

Office of Special Programs: Located on the first floor in room 118, provides services by bringing kids to the University. Services take the form of grants and continuing education programs.

Student Activities: Located on the second floor in room 226, Student Activities provides support for student organizations, and helps develop educational programs outside of the classroom to enhance university life.

Student Counseling and Disability Services for Students: Located on the first floor in room 124, Student Counseling and Disability Services for Students provides counseling and psychological services as well as coordinates needed support services for students with a documented disability.

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 Affairs: Located on the second floor in room 226, the Office of Student Affairs provides administrative oversight of Student Health Services, Student Activities, Student Counseling and Disability Services for Students and Recreational Sports. The office also maintains the Student Handbook and is responsible for the student disciplinary process.

The Food Court: Located on the first floor near the bookstore, the Food Court sells a variety of menu items for breakfast and lunch. Catering Services are also available for on-campus events.

STUDENT HOUSING

On-campus residential communities provide students with outstanding living and dining facilities, a staff devoted to students success, and easy access to university resources and services.

FINANCIAL AID

TAMIU students receiving financial aid may apply those funds to housing/meal plan costs. The Office of Housing and Residence Life bills each student account the full cost of the semester prior to move-in.

DINING CENTER

Meals serviced in Dusty's Diner are all-you-care-to-eat; however, food items must be eaten in the dining center. The student ID card must be presented for entrance into the diner and the meal plan only covers the purchaser.

HOUSING COMMUNITY STANDARDS

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

HOUSING FACILITIES

Campus housing facilities can accommodate 436 students in the residence halls and 250 students in apartment styled facilities. The amenities featured in housing are designed to provide a resort-like atmosphere.

RELEASE FROM HOUSING CONTRACT

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.

UNIVERSITY COLLEGE (UC)

University College (UC) oversees six departments: General University, The Testing Center, The Writing Center, The University Learning Center, TRIO Student Support Services, and The Advising and Mentoring Center. University College's mission is to provide learning assistance to all students.

GENERAL UNIVERSITY

General University's mission is to prepare students for the challenges of academic life through two programs: 1) the first year experience which offers the freshman seminar classes, UNIV 1101 and 1102, which provide learning and critical thinking skills necessary for a successful college experience and 2) Developmental Studies which teaches academic skills in mathematics, writing and college reading under-prepared students. For a listing of these courses, please refer to the section entitled General University Course Descriptions.

First Year Experience and Learning Communities

First time freshmen are required to participate in the TAMIU's Learning Community Program which includes a freshman seminar class (UNIV 1101 and 1102) and one or more core curriculum classes that are linked to each other. UNIV 1101 and 1102 are designed to increase students' critical thinking skills through interdisciplinary thinking, help students adjust to the rigors and challenges of university study, and provide academic support through university resources and student mentoring.

Developmental Studies

The goals of this department are to 1) comply with the Texas Success Initiative (TSI) through an effective developmental education plan for each student, 2) prepare students for the rigor of college core curriculum, 3) raise the retention rates of under-prepared students, 4) teach successful learning and study strategies, and 5) provide learning assistance through the promotion of the University Learning Center (ULC) and the Writing Center.

Grading Policy

The Department of Developmental Studies has adopted the following grading scale. All developmental courses must be passed with a grade of "C" or better to meet the course prerequisite for entry into college-level classes.

A	93-100
B	84-92
C	75-83
D	70-74
F	69 and below

Completing Developmental Studies Courses

Students requiring developmental studies courses must complete their remedial obligation prior to the completion of thirty college level semester credit hours. Students who have not met this obligation by the completion of the hours specified will have their enrollment restricted to developmental courses only until all required developmental courses have been successfully completed. In no case may a student enroll in the same developmental course more than three times.

Completing Developmental Studies Courses for Transfer/House Bill (HB1)/Early College High School (ECHS)

Transfer students requiring developmental studies courses must complete their remedial obligation by the end of the second semester in which they are enrolled. Students who have not met this obligation will have their enrollment restricted to developmental courses only until all required developmental courses have been successfully completed. In no case may a student enroll in the same developmental course more than three times.

Attendance Policy

Students who have five or more un-excused absences will receive a "W" in the course. If the student is more than ten minutes late for a class, the student will be marked tardy. Two tardies are equivalent to one un-excused absence.

TEXAS SUCCESS INITIATIVE (TSI)

The Texas Success Initiative (TSI) was adopted by the legislature in Summer 2003 (Texas Education Code, Section 51.307) and became effective September 1, 2003. TSI replaced the Texas Academic Skills Program (TASP). Every Texas public institution of higher education must meet the Texas Success Initiative (TSI) mandates which require them to provide

individualized programs to ensure the success of students in higher education. Texas A&M International's Developmental Education Plan is available on the web under the University College link.

In addition, each entering undergraduate student must take one of the following tests prior to enrollment, all of which are approved by the Texas Higher Education Coordinating Board (THECB):

- ASSET and COMPASS offered by ACT;
- ACCUPLACER offered by the College Board;
- Texas Higher Education Assessment (THEA) offered by Evaluation Systems Group of Pearson

These tests measure skills in reading, mathematics, and writing. None of these tests can be used as a criterion for admission.

While each institution may require a higher standard for entry into college level classes, the State requires the following minimum passing standards:

TESTS	READING	MATH	WRITING/ESSAY
THEA	230	230	220
COMPASS	81	39	59/5
ASSET	41	38	40/5
ACCUPLACER	78	63	80/5

To take MATH 1314, College Algebra, students at Texas A&M International must score above the minimum TSI requirement for math and earn the appropriate placement score from at least one of the following placement examinations: THEA Math 250, SAT Math 450, ACT Math 19, or COMPASS Algebra 45. Effective Spring 2008, to take English 1301, English Composition I, students at Texas A&M International must score the minimum TSI requirement for English and earn the appropriate placement score from at least one of the following examinations: THEA score of 240, TCOMP essay score of 6 and a 59 or above objective score; or ACCUPLACER essay score of 6 and an objective score of 80 or above, SAT Verbal 450, ACT English 19.

Students who do not pass or take all sections of one of these tests are required to take developmental education courses in at least one of these areas to enroll at Texas A&M International.

Students may not enroll in college level courses related to their TSI deficiencies. SAT, ACT scores must not be used for placement unless the TSI requirements have been met. Consequently, the following courses may not be taken if the corresponding test section has not been passed.

Students who have not passed the reading, math or writing section may not enroll in the following classes:

Reading	Math	Writing
HIST 1301	MATH 1314	ENGL 1301
HIST 1302	MATH 1316	ENGL 1302
PSCI 2305		
PSCI 2306		
PSYC 2301		
All Sophomore English Literature		

These courses may only be taken if the developmental sequence has been completed, required testing has been completed, or if the passing TSI score for the corresponding section has been achieved. For further information, contact University College, University Success Center, 222.

Texas Success Initiative Exemptions: Students who have scored at or above the test scores listed below are exempt. Students can claim partial exemption if composite score is met. For further information, contact University College at the, University Success Center, 222.

TEST	ENGLISH	MATH	COMPOSITE
SAT (valid for 5 years)	500	500	1070
ACT (valid for 5 years)	19	19	23
TAAS (valid for 3 years)	89 reading 1170 writing	86 Texas Learning Index	
TAKS	2200 writing sub score - 3	2200	

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.

For more information or for TSI academic advising, students may contact the Office of the Executive Director for University College, the Testing Center, or the Advising and Mentoring Center located on the second floor of the University Success Center.

TESTING CENTER

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

CREDIT BY EXAMINATION

The 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. Texas A&M International University also offers eligible students opportunities to earn credits by taking departmental examinations listed in the Catalog as authorized by the appropriate faculty. **Regulations concerning credit by examination include:**

- 1 Students may not receive credit by examination for courses that are prerequisites to courses for which they already have credit except with the approval of the department authorizing the examination and the Dean of the student's College.
- 2 Students may not receive credit by examination for courses in which they have been enrolled through the first class day.
- 3 Students will not be eligible for exam credit in a course if they have already taken a more advanced course in that area unless otherwise designated by the Chair of the department in which the subject is offered.
- 4 Students who are not successful on an examination may not retake it and must enroll in the course to receive credit.
- 5 Students must be officially enrolled at Texas A&M International University to receive official credit with a grade of "CR" or a letter grade. This grade option will be available only in certain disciplines.

Students must select TAMIU as school recipient in order to receive credit to be posted on TAMIU transcript. The Testing Center does not report CLEP scores to the Office of the University Registrar for posting on the student transcript.

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 a grade or credit only by Advanced Placement (AP) for the following courses:

ARTS 1301	FREN 1312	PHYS 2126
BIOL 1406	HIST 1301	PHYS 2325
CHEM 1411	HIST 1302	PHYS 2326
CHEM 1412	MATH 2413	PSCI 2305
ECO 2301	MATH 2414	PSYC 2301
ECO 2302	MIS 1305	SPAN 1311*
ENGL 1301*	PHYS 1101	SPAN 1312*
ENGL 1302*	PHYS 1102	SPAN 2311*
FREN 1311	PHYS 2125	SPAN 2312*

*Letter grades awarded for these subjects. See Testing Center's "Credit by Examination" brochure available at the Testing Center, USC 201.

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) Students can receive credit by College-level Examination Program (CLEP) for the following courses:

BIOL 1406	ENGL 2327	MATH 2413
CHEM 1411	ENGL 2328	PSCI 2305
CHEM 1412	FREN 1311	PSYC 2301
ENGL 1301	FREN 1312	PSYC 2312
ENGL 1302	HIST 1301	SOCI 1301
ENGL 2322	HIST 1302	SPAN 1311
ENGL 2323	MATH 1314	SPAN 1312

See Testing Center's "Credit by Examination" brochure available at the Testing Center, Student Success building. Spanish or Bilingual-Early Childhood majors may not use these credits to satisfy degree requirements.

COLLEGE-LEVEL PLACEMENT COURSES FOR MATH AND ENGLISH - must have met TSI.

TAMIU Course	THEA Score	COMPASS Writing Sentence Skills and Essay	ACCUPLACER Writing Sentence Skills and Essay	SAT Verbal	ACT English Score
English 1301	240	59 Sentence Skills 6 Essay	80 Sentence Skills 6 Essay	450	19
TAMIU Course	THEA Score	COMPASS College Algebra	COMPASS Algebra	SAT MATH Score	ACT MATH Score
Math 1314	250	N/A	45	450	19
Math 1316	N/A	51	N/A	630	27
Math 1324	N/A	35	81	600	25
Math 2412	280	35	N/A	600	25
Math 2413	N/A	60 and 51 Trigonometry	N/A	660	29

INTERNATIONAL BACCALAUREATE PROGRAM (IB)

A&M International recognizes the value of the International Baccalaureate Program and has approved granting of credit for the IB Higher Level exams with a 5 or higher score. 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:

IB Course	Exam Level	Required Score	TAMIU Course(s)	Credit Hours
Best Language				
Language A1	(SL)	4 or higher	ENGL 1301	3
Second Language				
Language A2	(SL)	4 or higher	SPAN 1311, 1312, 2311, 2312	12
Language B	(SL)	4 or higher	FREN 1311, 1312, 2311, 2312	12
Language Ab	(SL)	4 or higher	SPAN 1311 & 1312	6
	(SL)	4 or higher	FREN 1311 & 1312	6
	(SL)	4 or higher	SPAN 1311	3
	(SL)	4 or higher	FREN 1311	3
Individuals and Societies				
Economics	(SL)	4 or higher	ECO 2301	3
	(HL)	4 or higher	ECO 2301 & 2302	6
History of the Americas	(HL)	4 or higher	HIST 1301 & 1302	6
Philosophy	(SL)	4 or higher	PHIL 1301	3
Psychology	(SL)	4 or higher	PSYC 2301	
Experimental Science				
Biology	(SL)	4 or higher	BIOL 1402	4
	(HL)	4 or higher	BIL 1406 & 1413	8
Chemistry	(SL)	4 or higher	CHEM 1411	4
	(HL)	4 or higher	CHEM 1411 & 1412	8
Physics	(SL)	4 or higher	PHYS 2325, 2125, 2326, 2126	8
Mathematics				
Mathematics	(HL)	4 or higher	MATH 2412 & 2413	8
Further Mathematics	(HL)	4 or higher	MATH 2412 & 2413	8
Mathematical Models	(SL)	4 or higher	MATH 1325 & 2141	7
Mathematical Studies	(SL)	4 or higher	MATH 1324	3
The Arts				
Visual Arts	(SL)	4 or higher	ARTS 1301	3
Music	(SL)	4 or higher	MUSI 1306	3
Theatre Arts	(SL)	4 or higher	DANC 1351	

THE WRITING CENTER

The **Writing Center**, located in Dr. Billy F. Cowart Hall 203, provides individual and small-group tutoring in all subject areas, classroom support, content-specific workshops and presentations, writing resources, and support for other writing-related activities, such as the *Reflections* literary magazine and the Voices in the Monte Writers Series.

UNIVERSITY LEARNING CENTER (ULC)

The University Learning Center, located in Dr. Billy F. Cowart Hall 205, provides academic support to all currently enrolled TAMIU students in math, science, and reading courses. The center offers individual and group tutoring, content-specific study groups, intensive exam reviews, and test preparation workshops.

TRIO - STUDENT SUPPORT SERVICES

The TRIO program gives qualifying students an opportunity to receive academic, personal and career counseling and to attend special interest workshops, film and theater presentations, and university and community activities. Students must be first generation students and economically disadvantaged or disabled to participate. Location is Cowart Hall, Room 207.

ADVISING AND MENTORING CENTER (AMC)

The Advising and Mentoring Center, located on the second floor of the Student Success building, provides academic advising to all freshman and sophomore students, as well as individual support to all incoming freshmen. The freshmen are assigned to weekly meetings with upper division student mentors in order to assist them with a successful transition to university life. The full time advisors work with all sophomores to assist with degree plans as well as semester schedules.

OFFICE OF THE 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.

FRESHMAN REGISTRATION

To assist freshmen who are entering the University in the fall semester, special freshman registrations are held in conjunction with freshman orientation. Only freshmen who attend orientation are permitted to meet with an advisor, be advised and register at this time. Dates for Freshman Orientation are provided for entering freshmen in advance of the scheduled orientation days. Individuals who desire financial aid assistance should have contacted the Office of Financial Aid and completed paper work several months in advance of Freshman Orientation in order for their aid to be processed in a timely manner. (See the Financial Aid section of the catalog and contact the Office of Financial Aid for details regarding financial aid.)

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 on the University Uconnect portal. Students are encouraged to become knowledgeable of the rules governing pre-registration, 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 during the registration days just prior to the commencement of classes if they have been admitted or readmitted. This registration period is provided to enable a student to complete the registration process including consulting advisors, signing up for classes and paying tuition and fees. Students who are seeking financial aid and who have not completed this process several months in advance of this registration will inevitably be delayed in receiving funds from federal grants and secured and unsecured loans. (See the Financial Aid section of the catalog for details regarding financial aid.) Registration dates are listed in the online academic calendar.

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.

STUDENT ADVISEMENT

Students are encouraged to visit with faculty advisors during the fall and spring semesters for degree and class schedule planning. At announced times, all currently enrolled undergraduate students and currently enrolled graduate students who have been admitted to a graduate program or are seeking teacher certification will be permitted to advance register for courses in the subsequent term. Advisors in all disciplines are available at each college or school. Both the Office of Admissions and the Office of the University Registrar can assist students to identify and contact their faculty advisor. Also, please see Academic Responsibilities in the section entitled ACADEMIC REGULATIONS-UNDERGRADUATE.

EDUCATIONAL EXPENSES

FINANCIAL OBLIGATIONS

Students are expected to pay all financial obligations to the University when due. Official registration is not complete until the University Business 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 or to enroll for subsequent semesters. 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; and (6) loss or breakage of instructional material or equipment.

Exemptions for Ex-Servicemen (Hazlewood Act): Men and women who are citizens of Texas, served in the Armed Forces, and were honorably discharged, may be eligible for benefits under the Hazlewood Act after federal education benefits have been exhausted and if no student loans are in default. Exemption from fees also extends to children of members of the Armed Forces who were killed or died while in service.

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 also available at the THECB website at <http://www.collegeforalltexans.com/apps/financialaid/tofa2.cfm?ID=500>.

Senior Citizen Exemption: Senior Citizens 65 or older may have up to six hours of tuition waived per semester. Normal admission and registration procedures must be followed and course prerequisites met. To obtain the exemption, present a valid Texas driver's license or other valid ID showing date of birth to the Business Office by census date. All other fees will be charged. This exemption must be invoked by census date to reduce tuition and fees for the semester.

Other Exemptions: Information on other tuition exemptions granted by the State of Texas may be obtained on the Texas Higher Education Coordinating Board web site: <http://collegeforalltexans.com>.

EXPLANATION OF TUITION AND FEES

Tuition-Resident of Texas: Undergraduate Resident students pay \$50 per semester credit hour. Graduate Resident students pay \$72 per semester credit hour.

Tuition-Non-Resident/International: Non-resident and International students pay \$363 per semester credit hour. Graduate Non-resident and International students pay \$385 per semester credit hour. This fee is subject to change by the Texas Higher Education Coordinating Board.

Board Authorized Tuition: Authorized by The Texas A&M University System, at the rate of \$90.50 per semester credit hour, is required of all students to cover bonded indebtedness incurred for the expansion, air conditioning, rehabilitation of facilities and administrative expenses.

Advising Fee: This \$30 fee is required of all students to provide staffing and management of academic advising.

Assessment Fee: This \$20 fee is required of all students (\$10 for each summer session) to implement assessments required for accreditation.

Athletics Fee: This fee is charged at the rate of \$15.50 per semester credit hour; \$232.50 maximum in Fall and Spring; \$139.50 maximum per summer session.

Endowment Fee: This fee is charged at the rate of \$10.00 per semester to provide student scholarships.

Energy Fee: This fee is charged at the rate of \$3.50 per semester credit hour to offset increases in energy costs.

Health Fee: This \$34.65 fee is required of all students enrolled during the fall and spring (\$17.33 for each summer session) 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.

Identification Card Fee (Non-refundable): This fee is charged at the rate of \$10 each semester and is required for operation and maintenance of the TAMIU OneCard program. The TAMIU OneCard is the official ID card for students. The card is non-transferable and is the property of TAMIU. The card must be presented as a form of identification when requesting service from any University office and will provide access to a number of campus facilities, i.e., Killam Library, academic resources, recreational sports, and game room. The OneCard has a prepaid, stored value account called Dusty Dollars which may be used to purchase products or services at locations accepting the card as payment, providing that funds are available in the Dusty Dollar Account. Meal plan holders must present OneCard at Dusty's Diner for membership verification. Students who lose their ID card should report it immediately to the OneCard Center (326-2877) or the University Police (326-2100). A replacement fee of \$10 will be charged to replace a lost card.

International Education Fee (Non-refundable): This \$4 is assessed to all students to support international education and related University off site study programs.

Library Access Fee: This fee is charged at the rate of \$10.50 per semester credit hour and insures that the library collection supports academic programs and meets accreditation requirements.

Recreational Sports Fee: This fee is charged at the rate of \$48 per semester (\$24 for each summer session) to provide programs for students to participate in a variety of competitive, non-varsity, sports related activities.

Student Center Fee: This fee is charged at the rate of \$6 per semester credit hour for Student Center Maintenance; \$90 maximum; \$45 maximum each summer session.

Student Service Fee: All students pay this fee at the rate of \$25.65 per semester credit hour (not to exceed \$250 per semester). It entitles the student to receive publications and supports various departments in Student Services, as well as student activities such as SG and Clubs.

Technology Access Fee: This fee is charged at the rate of \$15.50 per semester credit hour to insure availability of computing resources to all students at the University and provides for maintenance and expansion of academic computing facilities.

ADDITIONAL FEES (NOT ON FEE TABLES)

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

Course Fee: Certain University courses carry an additional course fee of \$3 - \$500 for educational materials, consumables, and for supervision appropriate to the course.

Distance Education Fee (Non-Refundable): This fee is charged at the rate of \$60.00 per semester credit hour.

Installment Payment Service Charge: Students who choose to pay using the two-payment installment plan pay a \$30 installment payment service charge. This charge is non-refundable once a payment has been made.

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 their due date will be assessed a late payment fee of \$50.

Orientation Fee (Non-refundable): This \$50 fee is assessed to all first time freshmen students 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; late fee, \$25.00
- Application fee, international graduate, \$50.00; late fee, \$25.00
- Bachelor's graduation, \$30.00; late fee, \$50.00
- Certificate/deficiency plan (non-refundable), \$25.00
- Doctoral graduation, \$30.00; late fee, \$50.00
- Duplicate diploma fee, \$15.00
- Emergency Tuition Loan set-up fee, \$30.00
- International student application fee, \$25.00
- Late installment loan payment, \$25.00
- Late emergency loan payment, \$25.00
- Late short-term book loan payment, \$10.00

Non-refundable loan application fee (emergency and book loans), \$30.00
Master's graduation, \$30.00; late fee, \$50.00
Parking Fee, \$20.00 per semester
Returned check charge, \$30.00
Study Abroad Application Fee (non-refundable), \$100.00
Thesis/Dissertation binding fee, \$40.00 first copy; \$10.00 per additional
Transcript (Official - per copy), \$3.00

REFUND OF FEES

A. 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 which is specified by Senate Bill 604 (passed by the 65th Legislature).

LONG SEMESTERS:

100% prior to the first University class day
80% during the first five University class days
70% during the second five University class days
50% during the third five University class days
25% during the fourth five University class days

SUMMER SEMESTERS:

100% prior to the first University class day
80% during the first, second or third University class day
50% during the fourth, fifth, or sixth University class day
No refund during the seventh class day or thereafter

B. 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

C. 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 to student's TAMU Debit Card.
3. A student who pays for the spring semester without knowing the previous fall semester grades and who is required to withdraw because of failure in the work of the fall semester will receive a refund according to the schedule.
4. No refunds will be made unless requested within one year of official withdrawal.
5. 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. Hours attempted include transfer credits, course credits earned through examinations, courses dropped after the official census date, for-credit developmental courses, internship and cooperative courses, and repeated courses. The rebate for eligible students is a maximum of \$1,000. To be eligible for rebates under this program, students must have: (1) enrolled for the first time in an

institution of higher education in the fall 1997 semester or later, (2) receive the baccalaureate degree from a Texas public university, and (3) been a resident of Texas and entitled to pay resident tuition at all times while pursuing the degree.

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.

Tuition rebates shall be reduced by the amount of any outstanding student loan, including an emergency loan, owed to or guaranteed by the state. If a student has an outstanding student loan, the institution shall apply the amount of the rebate to the loan.

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

INCOME TAX CREDIT

The Taxpayer Relief Act of 1997 contains provisions that may impact the student or parent income tax returns.

Under the Hope Scholarship Credit, students in their first two-years of college may receive a credit of up to \$1,500 on tuition paid during the tax year. The Lifetime Learning Credit provides a credit of up to \$1,000 on tuition paid after June 30, 1998.

Note: These two credits may not be combined and cannot be claimed for the same expense for which another tax benefit is received. For further information on these programs, please contact the Business Office or check the IRS web site at

www.ustreas.gov

Texas Resident
Undergraduate* Tuition and Fees - Fall 2011 - Spring 2012

HOURS	TUITION	BAT	ASMT FEE	TECH ACC FEE	INT ED FEE	LIB ACC FEE	ENDW FEE	STU SRV FEE	HLTH FEE	ID FEE	SC FEE	REC FEE	ADV FEE	ATH FEE	ENERGY FEE	TOTAL
1	50.00	90.50	20.00	15.50	4.00	10.50	10.00	25.65	34.65	10.00	6.00	48.00	30.00	15.50	3.50	373.80
2	100.00	181.00	20.00	31.00	4.00	21.00	10.00	51.30	34.65	10.00	12.00	48.00	30.00	31.00	7.00	590.95
3	150.00	271.50	20.00	46.50	4.00	31.50	10.00	76.95	34.65	10.00	18.00	48.00	30.00	46.50	10.50	808.10
4	200.00	362.00	20.00	62.00	4.00	42.00	10.00	102.60	34.65	10.00	24.00	48.00	30.00	62.00	14.00	1,025.25
5	250.00	452.50	20.00	77.50	4.00	52.50	10.00	128.25	34.65	10.00	30.00	48.00	30.00	77.50	17.50	1,242.40
6	300.00	543.00	20.00	93.00	4.00	63.00	10.00	153.90	34.65	10.00	36.00	48.00	30.00	93.00	21.00	1,459.55
7	350.00	633.50	20.00	108.50	4.00	73.50	10.00	179.55	34.65	10.00	42.00	48.00	30.00	108.50	24.50	1,676.70
8	400.00	724.00	20.00	124.00	4.00	84.00	10.00	205.20	34.65	10.00	48.00	48.00	30.00	124.00	28.00	1,893.85
9	450.00	814.50	20.00	139.50	4.00	94.50	10.00	230.85	34.65	10.00	54.00	48.00	30.00	139.50	31.50	2,111.00
10	500.00	905.00	20.00	155.00	4.00	105.00	10.00	250.00	34.65	10.00	60.00	48.00	30.00	155.00	35.00	2,321.65
11	550.00	995.50	20.00	170.50	4.00	115.50	10.00	250.00	34.65	10.00	66.00	48.00	30.00	170.50	38.50	2,513.15
12	600.00	1,086.00	20.00	186.00	4.00	126.00	10.00	250.00	34.65	10.00	72.00	48.00	30.00	186.00	42.00	2,704.65
13	650.00	1,176.50	20.00	201.50	4.00	136.50	10.00	250.00	34.65	10.00	78.00	48.00	30.00	201.50	45.50	2,896.15
14	700.00	1,267.00	20.00	217.00	4.00	147.00	10.00	250.00	34.65	10.00	84.00	48.00	30.00	217.00	49.00	3,087.65
15	750.00	1,357.50	20.00	232.50	4.00	157.50	10.00	250.00	34.65	10.00	90.00	48.00	30.00	232.50	52.50	3,279.15
16	800.00	1,448.00	20.00	248.00	4.00	168.00	10.00	250.00	34.65	10.00	90.00	48.00	30.00	232.50	56.00	3,449.15
17	850.00	1,538.50	20.00	263.50	4.00	178.50	10.00	250.00	34.65	10.00	90.00	48.00	30.00	232.50	59.50	3,619.15
18	900.00	1,629.00	20.00	279.00	4.00	189.00	10.00	250.00	34.65	10.00	90.00	48.00	30.00	232.50	63.00	3,789.15

Undergraduate* Tuition and Fees Summer 2012

HOURS	TUITION	BAT	ASMT FEE	TECH ACC FEE	INT ED FEE	LIB ACC FEE	ENDW FEE	STU SRV FEE	HLTH FEE	ID FEE	SC FEE	REC FEE	ADV FEE	ATH FEE	ENERGY FEE	TOTAL
1	50.00	90.50	10.00	15.50	4.00	10.50	10.00	25.65	17.33	10.00	6.00	24.00	30.00	15.50	3.50	322.48
2	100.00	181.00	10.00	31.00	4.00	21.00	10.00	51.30	17.33	10.00	12.00	24.00	30.00	31.00	7.00	539.63
3	150.00	271.50	10.00	46.50	4.00	31.50	10.00	76.95	17.33	10.00	18.00	24.00	30.00	46.50	10.50	756.78
4	200.00	362.00	10.00	62.00	4.00	42.00	10.00	102.60	17.33	10.00	24.00	24.00	30.00	62.00	14.00	973.93
5	250.00	452.50	10.00	77.50	4.00	52.50	10.00	128.25	17.33	10.00	30.00	24.00	30.00	77.50	17.50	1,191.08
6	300.00	543.00	10.00	93.00	4.00	63.00	10.00	153.90	17.33	10.00	36.00	24.00	30.00	93.00	21.00	1,408.23
7	350.00	633.50	10.00	108.50	4.00	73.50	10.00	179.55	17.33	10.00	42.00	24.00	30.00	108.50	24.50	1,625.38
8	400.00	724.00	10.00	124.00	4.00	84.00	10.00	205.20	17.33	10.00	45.00	24.00	30.00	124.00	28.00	1,839.53
9	450.00	814.50	10.00	139.50	4.00	94.50	10.00	230.85	17.33	10.00	45.00	24.00	30.00	139.50	31.50	2,050.68
10	500.00	905.00	10.00	155.00	4.00	105.00	10.00	250.00	17.33	10.00	45.00	24.00	30.00	139.50	35.00	2,239.83
11	550.00	995.50	10.00	170.50	4.00	115.50	10.00	250.00	17.33	10.00	45.00	24.00	30.00	139.50	38.50	2,409.83
12	600.00	1,086.00	10.00	186.00	4.00	126.00	10.00	250.00	17.33	10.00	45.00	24.00	30.00	139.50	42.00	2,579.83

*Resident Undergraduate Tuition is based on \$50.00/SCH; Resident Graduate Tuition is based on \$72.00/SCH. Tuition and fees are subject to change without notice by the Texas Legislature and/or the Texas A&M University System Board of Regents. Current information is available online.

Non-Resident/Foreign Student
Undergraduate* Tuition and Fees - Fall 2011 - Spring 2012

HOURS	TUITION	BAT	ASMT FEE	TECH ACC FEE	INT ED FEE	LIB ACC FEE	ENDW FEE	STU SRV FEE	HLTH FEE	ID FEE	SC FEE	REC FEE	ADV FEE	ATH FEE	ENERGY FEE	TOTAL
1	363.00	90.50	20.00	15.50	4.00	10.50	10.00	25.65	34.65	10.00	6.00	48.00	30.00	15.50	3.50	686.80
2	726.00	181.00	20.00	31.00	4.00	21.00	10.00	51.30	34.65	10.00	12.00	48.00	30.00	31.00	7.00	1,216.95
3	1,089.00	271.50	20.00	46.50	4.00	31.50	10.00	76.95	34.65	10.00	18.00	48.00	30.00	46.50	10.50	1,747.10
4	1,452.00	362.00	20.00	62.00	4.00	42.00	10.00	102.60	34.65	10.00	24.00	48.00	30.00	62.00	14.00	2,277.25
5	1,815.00	452.50	20.00	77.50	4.00	52.50	10.00	128.25	34.65	10.00	30.00	48.00	30.00	77.50	17.50	2,807.40
6	2,178.00	543.00	20.00	93.00	4.00	63.00	10.00	153.90	34.65	10.00	36.00	48.00	30.00	93.00	21.00	3,337.55
7	2,541.00	633.50	20.00	108.50	4.00	73.50	10.00	179.55	34.65	10.00	42.00	48.00	30.00	108.50	24.50	3,867.70
8	2,904.00	724.00	20.00	124.00	4.00	84.00	10.00	205.20	34.65	10.00	48.00	48.00	30.00	124.00	28.00	4,397.85
9	3,267.00	814.50	20.00	139.50	4.00	94.50	10.00	230.85	34.65	10.00	54.00	48.00	30.00	139.50	31.50	4,928.00
10	3,630.00	905.00	20.00	155.00	4.00	105.00	10.00	250.00	34.65	10.00	60.00	48.00	30.00	155.00	35.00	5,451.65
11	3,993.00	995.50	20.00	170.50	4.00	115.50	10.00	250.00	34.65	10.00	66.00	48.00	30.00	170.50	38.50	5,956.15
12	4,356.00	1,086.00	20.00	186.00	4.00	126.00	10.00	250.00	34.65	10.00	72.00	48.00	30.00	186.00	42.00	6,460.65
13	4,719.00	1,176.50	20.00	201.50	4.00	136.50	10.00	250.00	34.65	10.00	78.00	48.00	30.00	201.50	45.50	6,965.15
14	5,082.00	1,267.00	20.00	217.00	4.00	147.00	10.00	250.00	34.65	10.00	84.00	48.00	30.00	217.00	49.00	7,469.65
15	5,445.00	1,357.50	20.00	232.50	4.00	157.50	10.00	250.00	34.65	10.00	90.00	48.00	30.00	232.50	52.50	7,974.15
16	5,808.00	1,448.00	20.00	248.00	4.00	168.00	10.00	250.00	34.65	10.00	90.00	48.00	30.00	232.50	56.00	8,457.15
17	6,171.00	1,538.50	20.00	263.50	4.00	178.50	10.00	250.00	34.65	10.00	90.00	48.00	30.00	232.50	59.50	8,940.15
18	6,534.00	1,629.00	20.00	279.00	4.00	189.00	10.00	250.00	34.65	10.00	90.00	48.00	30.00	232.50	63.00	9,423.15

Undergraduate* Tuition and Fees Summer 2012

HOURS	TUITION	BAT	ASMT FEE	TECH ACC FEE	INT ED FEE	LIB ACC FEE	ENDW FEE	STU SRV FEE	HLTH FEE	ID FEE	SC FEE	REC FEE	ADV FEE	ATH FEE	ENERGY FEE	TOTAL
1	363.00	90.50	10.00	15.50	4.00	10.50	10.00	25.65	17.33	10.00	6.00	24.00	30.00	15.50	3.50	635.48
2	726.00	181.00	10.00	31.00	4.00	21.00	10.00	51.30	17.33	10.00	12.00	24.00	30.00	31.00	7.00	1,165.63
3	1,089.00	271.50	10.00	46.50	4.00	31.50	10.00	76.95	17.33	10.00	18.00	24.00	30.00	46.50	10.50	1,695.78
4	1,452.00	362.00	10.00	62.00	4.00	42.00	10.00	102.60	17.33	10.00	24.00	24.00	30.00	62.00	14.00	2,225.93
5	1,815.00	452.50	10.00	77.50	4.00	52.50	10.00	128.25	17.33	10.00	30.00	24.00	30.00	77.50	17.50	2,756.08
6	2,178.00	543.00	10.00	93.00	4.00	63.00	10.00	153.90	17.33	10.00	36.00	24.00	30.00	93.00	21.00	3,286.23
7	2,541.00	633.50	10.00	108.50	4.00	73.50	10.00	179.55	17.33	10.00	42.00	24.00	30.00	108.50	24.50	3,816.38
8	2,904.00	724.00	10.00	124.00	4.00	84.00	10.00	205.20	17.33	10.00	45.00	24.00	30.00	124.00	28.00	4,343.53
9	3,267.00	814.50	10.00	139.50	4.00	94.50	10.00	230.85	17.33	10.00	45.00	24.00	30.00	139.50	31.50	4,867.68
10	3,630.00	905.00	10.00	155.00	4.00	105.00	10.00	250.00	17.33	10.00	45.00	24.00	30.00	139.50	35.00	5,369.83
11	3,993.00	995.50	10.00	170.50	4.00	115.50	10.00	250.00	17.33	10.00	45.00	24.00	30.00	139.50	38.50	5,852.83
12	4,356.00	1,086.00	10.00	186.00	4.00	126.00	10.00	250.00	17.33	10.00	45.00	24.00	30.00	139.50	42.00	6,335.83

*Non-Resident Undergraduate Tuition is based on \$363.00/SCH; Non-Resident Graduate Tuition is based on \$385.00/SCH. Tuition and fees are subject to change without notice by the Texas Legislature and/or The Texas A&M University System Board of Regents. Current information is available on line.

PUBLIC INFORMATION POLICY AND FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

Pursuant to the provisions and intent of Chapter 552, Texas Government Code, known as the Public Information Act, and the Family Educational Rights and Privacy Act (FERPA) of 1974 as amended, a University policy has been established relating to the accessibility of student information in the custody of the University.

FERPA affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the university receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department or other appropriate official, written requests that identify the record(s) they wish to inspect. The university 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 university 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 are inaccurate or misleading. Students may ask the university to amend a record that they believe is inaccurate or misleading. They should write the university official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the university will notify the student of the decision and advise the student of his or her 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 consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the university in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel, health staff, and student employees); a person or company with whom the university has contracted (such as an attorney, auditor, collection agent, or the National Student Clearinghouse); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, the university discloses education records without consent to officials of another school in which a student seeks or intends to enroll. A&M International will automatically forward a student's record to these institutions upon their request.

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

Family Policy Compliance Office
U. S. Department of Education
400 Maryland Avenue, S.W.
Washington, DC 20202-4605

Directory information regarding the student will be provided to the public upon request unless student files a request in the Office of the University Registrar asking to be excluded from the directory or from any other requests for open directory information from outside entities. The request should be submitted by the 12th class day in the Fall and Spring terms, the 4th class day in the summer terms. A request to withhold information may be submitted after the stated deadline for a term, but information may be released between the deadline and receipt of the request. The file of a student who has asked to be excluded from the directory information will remain flagged until the student requests that the flag be removed.

Directory information consists of a student's full name, address, telephone number, date and place of birth, major and minor fields of study, classification, enrollment status (full-time, part-time, undergraduate, graduate, etc.), term schedule of classes, roster of classes enrolled, participation in officially recognized activities and sports, weight and height of athletic team members, dates of attendance, degrees, awards received (including types of award), the last educational agency or institution attended previous to TAMIU, and photograph.

Texas A&M International University will disclose information from a student's education records only with the written consent of the student, except:

- To school officials who have a legitimate educational interest in the records.
- To officials of another school, upon request, in which a student seeks or intends to enroll.
- To certain officials of the U. S. Department of Education, the Comptroller General, and state and local educational authorities, in connection with an audit, or certain state or federally supported education programs.
- In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid.
- If required by state law requiring disclosure that was adopted before November 19, 1974.
- To organizations conducting certain studies for on behalf of the University.
- To accrediting organizations to carry out their functions.
- To parents of an eligible student who claim the student as a dependent for income tax purposes.
- To parents of students under the age of 21 years found culpable of alcohol and drug offenses, to the extent authorized by state law.
- To comply with a judicial order or a lawfully issued subpoena.
- To appropriate parties in a health or safety emergency.
- To an alleged victim of any crime of violence or non-forcible sex offense, the results of any institutional disciplinary proceeding against the alleged perpetrator of that crime with respect to that crime or university rules or policy as authorized by state law.
- To release information designated as directory information by the university; unless student has requested such directory information be withheld.
- To a court in which the university is defending itself against legal action initiated by a parent or eligible student.

For information regarding the university's policy on access to records and to request accessibility to university records, contact the Office of University Registrar.

PERMANENT STUDENT RECORD

The permanent record of a Texas A&M International University credit student shall consist of: student name, social security number or student identification number, courses enrolled each term, cumulative University grade point average (GPA), term GPA, hours attempted, hours earned, grades, quality points earned, degrees earned, academic program(s), honors, academic status, and transfer credit. The permanent record will be maintained online and will be available on-campus in the Office of the University Registrar. Online processes are backed up nightly.

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 at a cost of \$3.00 per copy. Student must clear any restrictions from his/her record before any transcript request will be honored. Transcripts may be requested in person, by mail and fax. In compliance with federal privacy laws, a student's signature is required to release transcripts; therefore, transcript requests cannot be accepted by telephone or e-mail.

In Person

A written request must be completed by the student and a valid picture ID must be presented at the Office of the University Registrar. The request will be honored within one working day.

By Mail or Fax

Students may request a transcript by submitting a written request which includes their name, Social Security Number or Campus ID Number, dates of attendance at the university, current address, signature, and a check or money order payable to TAMIU (or payment by credit card). The request will be prepared within one to two working days. The request may be submitted via fax (956)326-2249 or mail to the following address:

Office of the University Registrar-Transcripts
Texas A&M International University
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. Further information can be obtained from the University Registrar. Veterans should 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)326-2250.

COMMENCEMENT

This ceremony occurs two times during the year to honor those students who have successfully completed their degree programs. Only those students who have been certified by their respective colleges and 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, (956) 326-2250.

UNIVERSITY SUCCESS CENTER

The University Success Center provides Texas A&M International University students with one-stop-shopping from admission to graduation.

Admissions: Located on the first floor in room 129, the Admissions Office receives and processes applicant information for undergraduate, graduate and international students.

Advising and Mentoring Center: Located on the second floor in room 222, the Advising and Mentoring Center provides academic advising to all freshman and sophomore students, as well as individual support to all incoming freshmen.

Army ROTC: Located on the second floor in room 230, provides adventure training, fitness, leadership development, travel opportunities, and financial assistance for students seeking a commission as officers in the U. S. Army.

Bursar: Located on the first floor in room 137, the Bursar's Office assists students/parents with questions related to student accounts and processes the following: applications for emergency tuition loans, book loans and installment payment plans; payments for student related billing; and student refunds.

Financial Aid: Located on the second floor in room 214, assists students with applying for financial aid to meet the cost of attending the University.

OneCard Center: Located on the first floor in room 131, the OneCard Center issues ID cards for students. The OneCard Center also accepts Dusty Dollar deposits, which is a prepaid store value account on the TAMIU OneCard. See Explanation of Tuition and Fees in this section for more information about the OneCard program.

Recruitment and School Relations: Located on the first floor in room 126, the Office of Recruitment & School Relations is at the forefront of the recruiting efforts of Texas A&M International University. This office provides prospective students with information on admissions, enrollment, degrees, programs, financial aid, housing, student life, and campus tours.

Testing Center: Located on the second floor in room 201, the Testing Center coordinates university testing which includes credit by examination, placement testing (THEA and COMPASS), departmental exams and other assessment programs.

University Bookstore: Located on the first floor, the University Bookstore sells a variety of items including textbooks, school supplies, clothing and snacks.

University College: Located on the second floor in room 223, University College (UC) oversees six departments: General University, The Testing Center, The Writing Center, The University Learning Center, TRIP Support Services, and The Advising and Mentoring Center. University College's mission is to provide learning assistance to all students.

University Registrar: From your first day of class to your walk across the graduation stage, the Office of the University Registrar follows you through your time at Texas A&M International University. The office is located on the first floor in room 121.

ACADEMIC REGULATIONS

UNDERGRADUATE

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 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 3301**, *Mexico*. Three semester hours. The first digit of the course number is the course level. The second digit is the number of semester credit hours (SCH). The last two digits may indicate the course sequence.

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 course or courses in the subject. In some cases, the completion of courses in another field serves as the prerequisite.

Cross Listed Courses: Students enrolled in a course which 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". However for purposes of grade point average calculation on course work for graduation, grades stand as recorded unless the same course is repeated **at this university**.

GRADING POLICIES

Grades are recorded from “A” to “F”, inclusive and available via the web to each student at the end of each semester. Numerical values corresponding to these letters are as follows:

A	90-100, excellent
B	80-89, good
C	70-79, average
D	60-69, passing (not a passing grade for Nursing and certain other courses)
F	Below 60, failure
S/CR/P	Satisfactory/credit/pass
U/NC	Unsatisfactory (no credit)
IP	In Progress
W	Dropped or withdrawn
I	Incomplete

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 “S/CR” for satisfactory completion of the objectives and “U/NC” for unsatisfactory completion of the objectives. 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: This grading criterion applies only to courses in the College of Arts and Sciences and the A. R. Sanchez Jr. School of Business. This grade can be given for only pre-designated 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.

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 sign contract, and have on file in the Office of the University Registrar, 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 by the Dean of the appropriate College.
- If the student elects not to complete the course and the signed contract within a period of twelve months, 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”.

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 and Honor Roll: Full-time undergraduate students of high academic caliber are honored each long semester by named to the Dean’s List and the Honor Roll. The Dean’s List requires a grade point average of 3.65 on all work attempted for a particular semester, with a minimum of fifteen hours completed.

The Honor Roll requires a GPA of 3.50 on all work attempted for the semester with a minimum of twelve hours completed. The Dean's List and the Honor Roll are compiled as quickly as possible after the close of the semester.

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

- Freshman:** Less than 30 semester hours of credit
- Sophomore:** Thirty to fifty nine (30-59) semester hours of credit
- Junior:** Sixty to eighty nine (60-89) semester hours of credit
- Senior:** Ninety (90) or more semester hours of credit

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 on-line university catalog.

Each student, by registering, enters some college 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 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 or at the latest, the spring semester of their sophomore year. 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 the following semester(s). During that time a currently enrolled student is responsible for making an appointment with the assigned 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.

New transfer students should contact the Office of the University Registrar for an appointment with an advisement counselor who will assist new students in the early registration process. New freshman students should contact the Freshman Counselor in the Office of Recruitment and School Relations for first time enrollment advisement. During the freshman and sophomore semesters, students should contact the Advising and Mentoring Center for early registration, and degree plan assistance. After 60 hours of course credit, students are advised by faculty within the college of their major.

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.

Waitlist: A student may request to be placed on the waitlist for a closed course. If space becomes available, waitlisted students will be added in the order the requests were received **without prior notification to the student**. 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.

Adding a Course: To add a course to a schedule after initial registration, an add form is obtained in the Office of the University Registrar. A student should obtain permission from their assigned faculty advisor to add the course. The faculty advisor must sign the add form. (See Maximum Number of Hours in this section.)

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 permission to audit a course is the Census Date of the Semester.

REGISTRATION POLICIES

Definitions - Dropping and Withdrawal

A student is "dropping" a course or courses if he or she 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 mail, or fax. Courses may not 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, he or she 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 his or her account by a financial assistance agency. 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 section of the catalog 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. is 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.

SEMESTER/SESSION	DATE OF RECORD*
Spring	12th Class Day
Summer Sessions	4th Class Day
Fall	12th Class Day

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.

- A) Courses taken by students while enrolled in high school – whether for dual credit, early college credit, or for college credit alone
- B) Courses dropped at private or out-of-state institutions
- C) Remedial or developmental courses, workforce education courses, or other courses that would not generate academic credit that could be applied to a degree
- D) 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.
- E) Courses which 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 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 that 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.

Please note that this policy may vary from other institutions. For more information on this policy, contact the Office of the University Registrar.

Appeal Process:

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

Withdrawal from the University

Students who find it necessary to withdraw from all courses must notify the Office of the University Registrar in person, by mail or by fax. Refer to the Refund of Fees 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

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 Refund of Fees in the section entitled DIVISION OF STUDENT AFFAIRS).

CONTINUATION OF UNDERGRADUATE ENROLLMENT

Minimum Grade Point Average for Good Standing

Standards for good standing are based on an overall 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", and "F" grades.

The cumulative, or overall, grade point average is computed by dividing the total grade points earned by the number of hours of "A", "B", "C", "D", and "F". Effective Fall 2007, only hours earned from Texas A&M International University will be included.

Grade Point Average

The 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. Transfer work will be accepted for fulfilling degree and graduation requirements only.

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 designee, 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 on Academic Probation. Prior to enrolling, the returning student must meet with the dean to develop an academic improvement plan. The dean or designee 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 Summer Study

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

OTHER PROCEDURES AND POLICIES

Death of a Student

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

1. Notifies the President, the Vice-President for 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.
4. Notifies the Financial Aid Office.

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.

Change of Address

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 of local address must also be made with the Office of the University Registrar. Address updates may be made via the web.

Student Conduct

Upon registration, 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 student conduct as stated in the *Student Handbook* which is available online or at the Office of Student Affairs.

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

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 to the Vice-President for Student Success.

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

amount double the loss or expenses incurred because of the hazing incident. It is not a defense to prosecution that the person hazed consented to the hazing activity.

Any person reporting a specific hazing incident to the 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 which constitutes hazing.

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.

CORE CURRICULUM REQUIREMENTS

NOTE: For specific core requirements, consult appropriate degree program.

COMPONENT AREA	COURSE OPTIONS	SCH
Communication	ENGL 1301 and 1302 and one of the following: ENGL 2311/HUM2301/MATH 2371/COMM 1311/COMM 1315*	9
Mathematics**	College Algebra or above	3
Natural Science**	Courses with laboratories can be taken from: ASTR, BIOL, CHEM, ENSC, EPSC GEOL or PHYS	8
Humanities	ENGL 2322, 2323, 2327, 2328, 2332, 2333, or 2365	3
Visual, Literary and Performing Arts**	Courses can be taken from: ARTS, COMM, DANC, ENGL, MUAP, MUEN, MUSI, SPAN or THAR	3
History	HIST 1301 and 1302	6
Political Science	PSCI 2305 and 2306	6
Social & Behavioral Science**	Courses can be taken from: ANTH, CRIJ ECO, GEOG, GIS, HIST, HUM, PHIL, PSCI, PSYC, SOCI, or URBS	3
Institutional Option**	Activity or wellness course	1
TOTAL		42

*D. D. Hachar Honors students must select HUM 2301 unless their declared major specifies otherwise.

**See eligible courses in Appendix A.

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 in parts of the University Core Curriculum to satisfy particular degree requirements. Students may be required to take extra courses if they fail to select these courses.

Transfer of the Core Curriculum

A student who successfully completes a 42- to 48-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. 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.

College or School Requirements

Students must satisfactorily complete all degree requirements specified by the school or college in which the degree is offered. In many instances, the college/school/department academic program requirements may exceed the university core requirements. Individual academic programs may require courses contained in part of 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 admission to Texas A&M International University must demonstrate beginning college-level proficiency in one foreign language. Beginning proficiency is defined as the equivalent of 6 college level semester credit hours (SCH).

Beginning 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. earning a minimum grade of "C" in 6 SCH in one foreign language
or
3. CLEP or AP exam scores that award 6 SCH in one foreign language.
or
4. completion of two foreign language courses in one language with a "C" or better from the University's International Language Institute
5. 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 credits will 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.

University Seminar

First-time freshmen and transfers with less than 30 semester credit hours are required to enroll in University Seminar 1101 and 1102. These two one-hour courses are scheduled within learning communities. The first course focuses on models of academic success, founded on an understanding of learning theories from the fields of education and psychology and the application of those theories to core curriculum content through writing, discussion groups, information literacy, cognitive self-assessment tools, and other related issues. The second course is an introduction to ethics, memory, communication and the role these topics play in successful academic progress. Both courses promote academic and student life success through a variety of academic support interventions, peer mentoring and awareness of university resources.

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 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.

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. Twenty-four semester hours of the last thirty (30) advanced hours required for the degree must be completed at Texas A&M International University. 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: 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 2000-level, and at least one must be in the major in which the student is earning a degree.*

* 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 Census Date of the semester in which the student wishes to graduate.

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 overall 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 GPA of 3.50 or higher but less than a 3.70.

Magna Cum Laude (with high honors): a GPA of 3.70 or higher but less than 3.90.

Summa Cum Laude (with highest honors): a GPA 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.

COLLEGE OF ARTS AND SCIENCES

UNDERGRADUATE DEGREES

UNDERGRADUATE DEGREES

Bachelor of Applied Arts and Sciences (BAAS)
Bachelor of Arts with a Double Major (BA)
Bachelor of Arts with a major in Art (BA)
Bachelor of Arts with a major in Art with All Level Certification (BA)
Bachelor of Arts with a major in Biology (BA)
Bachelor of Arts with a major in Biology with Grades 8 -12 Certification (BA)
Bachelor of Arts with a major in Communication (BA)
Bachelor of Arts with majors in Communication and Spanish (BA)
Bachelor of Arts with a major in English (BA)
Bachelor of Arts with a major in English, Grades 8 -12 Certification in English Language Arts and Reading (BA)
Bachelor of Arts with a major in History (BA)
Bachelor of Arts with majors in History and Political Science (BA)
Bachelor of Arts with a major in History with Grades 8 - 12 Certification (BA)
Bachelor of Arts with a major in Mathematics (BA)
Bachelor of Arts with a major in Mathematics with Grades 8 -12 Certification (BA)
Bachelor of Arts with a major in Music (BA)
Bachelor of Arts with a major in Physical Science (BA)
Bachelor of Arts with a major in Political Science (BA)
Bachelor of Arts with a major in Psychology (BA)
Bachelor of Arts with a major in Sociology (BA)
Bachelor of Arts with a major in Spanish (BA)
Bachelor of Arts with a major in Spanish with Grades 8 - 12 Certification (BA)
Bachelor of Music with a major in Music (BM)
Bachelor of Music with a major in Music with All Level Certification (BM)
Bachelor of Science with a major in Biology (BS)
Bachelor of Science with a major in Chemistry (BS)
Bachelor of Science with a major in Environmental Science (BS)
Bachelor of Science with a major in Mathematics (BS)
Bachelor of Science with a major in Systems Engineering (BS)
Bachelor of Science with a major in Science with Grades 8 -12 Certification (BS)
Bachelor of Science with a major in Social Studies with Grades 8 -12 Certification (BS)
Bachelor of Science in Criminal Justice (BSCJ)
Bachelor of Science in Interdisciplinary Studies with a major in English Language Arts and Reading
with Grades 4 - 8 Certification (BSIS)
Bachelor of Science in Interdisciplinary Studies with a major in English Language Arts and Social Studies
with Grades 4 - 8 Certification (BSIS)
Bachelor of Science in Interdisciplinary Studies with a major in Mathematics with Grades 4 - 8 Certification (BSIS)
Bachelor of Science in Interdisciplinary Studies with a major Science with Grades 4-8 Certification (BSIS)
Bachelor of Science in Interdisciplinary Studies with a major in Social Studies with Grades 4 - 8 Certification
(BSIS)

MINORS

Anthropology	History
Applied Physics	Latin American Studies
Art History	Mathematics
Biology	Military Science
Chemistry	Music
Communication	Political Science
Computer Science	Psychology
Creative Writing	Sociology
Criminal Justice	Spanish
Dance	Spanish-English Linguistics
English	Studio Art
Environmental Science	Theater Arts
Forensics	Translation of English & Spanish
Geography & Urban Studies	Wildlife Management
Geology	Writing and Rhetoric
Gerontology	

SEE APPENDIX C FOR A. R. SANCHEZ, JR. SCHOOL OF BUSINESS MINORS AVAILABLE.

COLLEGE OF ARTS AND SCIENCES (COAS)

The College of Arts and Sciences is the University's largest, most comprehensive academic unit and 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

Graduate programs in the College of Arts and Sciences 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-Undergraduate for specific TAMU regulations.

COMBINED BA/MA DEGREE

Undergraduate students with majors in English, History, Political Science, Sociology or Spanish may pursue a combined BA/MA program. Students with an overall GPA of 3.2 or higher and a field GPA of 3.5 or higher (after completing at least six 3000-4000 level SCH; 9 SCH in Political Science with 3 SCH at the 3000-4000 level) may apply for admission to the Master of Arts program during their junior year. 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 will need to complete all admission requirements to the program during their junior year. This includes: Application to the University for admission to graduate study and submission of an official copy of the student's undergraduate transcript to the Director of Graduate Studies. The student must also submit two letters of recommendation, one from the student's faculty advisor and one from another faculty member. The GRE requirement for the Combined BA/MA will be waived so long as the student maintains continuous registration (fall and spring semesters) through completion of the MA program. The GRE waiver applies to the Combined BA/MA only. Interruption of progress toward the degree may result in the requirement to reapply to the program and include meeting the GRE requirement.

Students seeking the BA/MA degree in English, Political Science, Sociology or Spanish may count nine SCH of graduate coursework taken during the senior year toward both undergraduate and graduate degree requirements. Students electing to complete the BA/MA in English or Sociology are eligible for either the thesis or non-thesis option; in the non-thesis option, unlike the traditional non-thesis MA in English or Sociology, there is no minor curriculum requirement. (That is, either 15 SCH ENGL/SOCI graduate courses + 9 SCH double-counted ENGL/SOCI graduate courses + 6 SCH thesis hours = 30 SCH for the English/Sociology MA Thesis Plan; or 27 SCH ENGL/SOCI graduate courses + 9 ENGL/SOCI double-counted graduate courses = 36 SCH for the English/Sociology MA Non-Thesis Plan.)

Students seeking the BA/MA degree in History may count six SCH of graduate coursework taken during the senior year toward both undergraduate and graduate degree requirements. Students electing to complete the BA/MA in History are eligible for either the thesis or non-thesis option; in the non-thesis option, unlike the traditional non-thesis MA in History, there is no minor curriculum requirement. (That is, either 18 SCH HIST graduate courses + 6 SCH double-counted HIST graduate courses + 6 SCH thesis hours = 30 SCH for the History MA Thesis Plan; or 30 SCH HIST graduate courses + 6 HIST double-counted graduate courses = 36 SCH for the History MA Non-Thesis Plan.)

INTERNATIONAL LANGUAGE INSTITUTE

The International Language Institute (ILI) offers language instruction in English as a second language, TOEFL Preparation, and English Conversation. Courses are designed to meet the needs of individuals interested in preparing for social/professional growth in these languages or for those preparing for academic course work in the United States. Applicants must be 18 years or older or high school graduates.

The ILI offers six levels of English as a Second Language (ESL). Students completing these earn Continuing Education Units (CEUs). The higher levels, 4, 5, and 6, can be taken for academic credit through University College. A placement test is used to evaluate student level. The courses are given in an intensive format (8 weeks) or the semi-intensive format (16 weeks). Each level consists of 160 hours of instruction in listening, speaking, grammar, reading, and writing and requires additional work in the multimedia lab. Students who complete level 6 with a "B" or better are exempt from the TOEFL requirement when applying for admission to Texas A&M International University.

International Language Institute
Texas A&M International University
Pellegrino Hall, Room 302
5201 University Boulevard
Laredo, Texas 78041-1900, U.S.A.
(956) 326-2136 Fax: (956) 326-2909

TEACHER CERTIFICATION

Students pursuing a Bachelor degree in the College of Arts and Sciences may include teacher certification for grades 4-8 or grades 8-12. Teacher Certification in grades 4-8 is available in the following specialization areas: English Language Arts and Reading, Mathematics, Science, Social Studies or English Language Arts and Social Studies. Teacher Certification in grades 8-12 is offered in the following areas: Biology, English Language Arts and Reading, History, Mathematics, Science, Social Studies and Spanish.

Students interested in earning a degree with Teacher Certification must declare their intention to do so in the Registrar's Office by completing the required paperwork. Degree plans leading to Teacher Certification may be obtained in the Registrar's Office or in the College of Arts and Sciences.

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.

LANGUAGE CERTIFICATION IN SPANISH

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

Spanish 3300	Grammar and Composition
Spanish 3305	Advanced Grammar and Composition
Spanish 3317	Spanish Linguistics
Spanish 4390	Spanish for Professional Purposes

Students who complete these courses with the requisite grade point average must request that "Language Certification in Spanish" be noted on their transcripts.

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 October 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 paralegal 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, HIST 3310, PHIL 2301, PHIL 2306, PHIL 3302, PSCI 3311, PSCI 3312, PSCI 4311, PSCI 4326, and 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 an assigned pre-health career advisor in the College of Arts and Sciences. Pre-Medical and Pre-Dental advisors can tailor individual degree plans to meet the specific entrance requirements for each discipline and professional school. 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. However, 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:

Cell & Molecular Biology	4 SCH
General Zoology	4 SCH
General Botany	4 SCH
General Chemistry I & II	8 SCH
Organic Chemistry I & II	8 SCH
University/College Physics I and II	8 SCH
Calculus I	4 SCH
English	6 SCH

Students are encouraged to discuss their application plans during their sophomore year, and to take Medical College Admission Test (MCAT), Dental Admission Test (DAT), or any of the appropriate professional entrance examinations, in April of their junior year.

DISCUSSION SECTION

In selected laboratory courses, under the course description segment, a discussion section may be indicated. This is in-class discussion in lieu of a formal laboratory.

PRE ENGINEERING PROGRAM

- 1. Hours for transfer:** 68 SCH may transfer. Minimum of 42 SCH for automatic transfer.
- 2. Hours required:** 33 SCH including CHEM 1412; ENGL 1301, ENGL 2311; ENGR 1201, ENGR 1202; MATH 2413, MATH 2414, MATH 2415 (only 3 SCH will be accepted in transfer); PHYS 2125, PHYS 2325, PHYS 2126, PHYS 2326
- 3. Other requirements:** 9 SCH for automatic admission to bring total to 42 SCH; 26 additional SCH required to bring total to 68 SCH. Select from: CHEM 1411; ENGR 2103/2303, ENGR 2105/2305 (for non EE majors); ENGR 2176/2376 (for EE majors); MATH 3330 or MATH 3365 (for CSPC majors); PSCI 2305, PSCI 2306; HIST 1301, HIST 1302; EDFS 1152; 1 SCH from EDFS 1101, EDFS 1104, EDFS 1111, EDFS 1130 and EDFS 1143; Visual/Performing Arts Elective, 3 SCH from ARTS 1304, ARTS 1316, ARTS 1317, ARTS 2316, ARTS 2323; DANC 1242, DANC 1246, DANC 2247. Social/Behavioral Science or Visual/Performing Arts Elective: 3 SCH selected from ANTH 2346, ARTS 1304, ARTS 1316, ARTS 1317, ARTS 2316, ARTS 2323; DANC 1242, DANC 1246, DANC 2247; ECO 2301, ECO 2302; PSYC 2301; SOCI 1301 or SOCI 1306.

PROGRAM OF STUDY – BACHELOR OF APPLIED ARTS AND SCIENCES

Degree Requirements for the Bachelor of Applied Arts and Sciences

- 1. 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” section of this catalog.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
- 3. MATH Elective:** **3** SCH selected from any math course above the level of College Algebra.
- 4. Capstone Course:** **3** SCH designated as ANTH 4351.
- 5. Specialization:** **27** SCH including 9 SCH from ANTH, PHIL or GEOG courses at the 3000-4000 level; 9 SCH from HIST or PSCI courses at the 3000-4000 level; and 9 SCH from COMM, ENGL, PORT, PSYC, SOCI or SPAN courses at the 3000-4000 level.
- 6. Minor:** A minimum of **18** SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.
- 7. General Elective:** **3** SCH at the 3000-4000 level.
- 8. Vocational Technical Field:** **24** SCH.

PROGRAMS OF STUDY - BACHELOR OF ARTS

Degree Requirements for the BA with Double Majors in specific disciplines.

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.

- 1. 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” section of this catalog.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
- 3. MATH Elective:** **3** SCH selected from any math course above the level of College Algebra.
- 4. Foreign Language/Study Abroad:** **6** SCH in course work (not credit by exam) above the university’s foreign language admission requirement. Thus students who meet the university’s foreign language admission 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 3 months in a non-English speaking country.
- 5. Major Options:** **33** SCH each in two disciplines selected from **Communication:** 3300, 3310, 4340, 4350, 4360 and 18 SCH of advanced Communication electives. **English:** 6 SCH from 2322, 2323, 2327, 2328, 2332 or 2333; 3339, 3347 or 4309; 4301 and 4399; 6 SCH from ENGL 4306, 4325, 4327, 4328, 4329, 4330, 4331, 4336 or 4398 (when the topic is British); 6 SCH from 3303, 3329, 4323, 4324, 4332, 4333, or 4398 (when topic is American); and 6 SCH advanced English electives. **History:** 2321, 2322, 3302, 3303, 4310; 6 SCH of Non-US History electives from 3301, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, or 4391; 6 SCH Chronological History electives from 4316, 4317, 4318, 4366, 4367, or 4368; and 6 SCH Thematic History electives from 3370, 3380, 3385, 4364, or 4390. **Mathematics:** includes 2 SCH surplus from MATH 2413 and 2414 in the core; MATH 2415, 2371, 3330, 3360, 3365, 4335; and 12 SCH advanced electives. **Political Science:** 3301, 3313, 3314, 4311, 4351; American Politics, select 3 SCH from PSCI 3320 or 4320; Comparative Politics, select 3 SCH from PSCI 3305 or 3310; International Relations, select 3 SCH from PSCI 4335 or 4340; Comparative/International Politics, select 3 SCH from PSCI 3308, 3340, 4309, 4321, 4335 or 4340; and 6 SCH

advanced electives. **Sociology:** 1301, 1306, 3305, 3304, 4310, 4317, 4380; and 12 SCH advanced electives. **Spanish:** 3300, 3305, 3310; 3321 or 3322; 3323 or 3326; 3333, 4303; and 12 SCH advanced electives.

5. International Studies: 3 SCH from ANTH 3308, 4351; ARTS 1303, 1304, 3310, 3330, 3352, 3353; COMM 4320; ENGL 2332, 2333, 3311, 3312, 3326, 4326, 4334; GEOG 1303, 3351, 3352, 3353; HIST 2321, 2322, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, 4341, 4342, 4391; MGT 4351, MUSI 3300, 3301, 3305; PORT 3324; PSCI 3305, 3308, 3310, 3312, 3340, 4307, 4309, 4335; SOCI 3307, 3308, 4318; SPAN 4300.

Degree Requirements for the BA with Major in Art

1. 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” section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Major: 48 SCH including ARTS 1303, 1304, 1311, 1312, 1316, 1317, 3353, and 4333; 6 SCH selected from ARTS 2316, 2323, 2326, 2333, 2346, 2356; 12 SCH selected from ARTS 3308, 3309, 3323, 3324, 3333, 3335, 3365, 4173-4473, 4301, 4303, 4304, 4324, 4331, 4361, 4365; and 6 SCH selected from ARTS 3310, 3330, 3352. Note: ARTS 1301 may be substituted for ARTS 1303.

5. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

6. General Electives: 9 SCH at the 3000-4000 level.

Degree Requirements for the BA with Major in Art with All Level Certification

1. 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” section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Major: 48 SCH including ARTS 1303, 1304, 1311, 1312, 1316, 1317, 3353, and 4333; 6 SCH selected from ARTS 2316, 2323, 2326, 2333, 2346, 2356; 12 SCH selected from ARTS 3308, 3309, 3323, 3324, 3333, 3335, 3365, 4173-4473, 4301, 4303, 4304, 4324, 4331, 4361, 4365; and 6 SCH selected from ARTS 3310, 3330, 3352. Note: ARTS 1301 may be substituted for ARTS 1303.

5. Professional Development: 21 SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

6. Support Area: 3 SCH of EDRD 3320.

7. General Electives: 3 SCH at the 3000-4000 level.

Degree Requirements for the BA with a Major in Biology

1. Hours Required: A minimum of **125** 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH: 4 SCH, designated as MATH 2412.

4. Major: 45 SCH: 4 SCH of BIOL 1406, and 8 SCH of BIOL 1411, 1413 or 2421. Advanced requirements include 9 SCH of BIOL 3410, 3413, 4170 and 24 SCH selected from BIOL 3403, 3404, 3406, 3407, 3412, 3414, 3416, 3451, 4170, 4173-4473, 4371, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4471, ENSC 3310, 3401, 4170, 4173-4473, 4310 or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.

5. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

6. Supporting Sciences Curriculum: 24 SCH including CHEM 1411 and 1412 taken as part of the core and 2423, 2425, PHYS 1301/1101, and PHYS 1302/1102.

Degree Requirements for the BA with a Major in Biology with Grades 8-12 Certification

1. Hours Required: A minimum of **122** 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH: 8 SCH designated as MATH 2412 and 2413.

4. Major: 36 SCH and the 8 SCH of BIOL 1406 and 1411 taken as part of the core. Additional lower-level requirements include BIOL 1413 and 2421. Advanced requirements include BIOL 3410 and 3413 and 20 SCH selected from BIOL 3403, 3404, 3406, 3407, 3412, 3414, 3416, 3451, 4170, 4173-4473, 4371, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4471, ENSC 3310, 3401, 4170, 4173-4473, 4310 or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.

5. Supporting Field: 12 SCH in one discipline. CHEM 1411, 1412 and 2423 strongly suggested.

6. Professional Development: 21 SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

7. Support Area: 3 SCH of EDRD 3320.

Degree Requirements for the BA with a Major in Communication

1. 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” section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university’s foreign language admission requirement. Thus students who meet the university’s foreign language admission 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 3 months in a non-English speaking country.

5. Major: 39 SCH including: COMM 3300, 3310, 4340, 4350, 4360 and 24 SCH selected from remaining COMM courses with at least 3 SCH from COMM 2331, 3102/3202, 3132/3232, 3227, or 4330 (if the topic has a media focus). COMM 4325 may be replaced with MGT 3320. Certain courses (COMM 3324 and 4330) may be taken more than once (when topics vary) for credit within the degree program.

6. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

8. General Electives: 12 SCH, at least 6 SCH of which must be at the 3000-4000 level.

Degree Requirements for the BA with majors in Communication and Spanish

1. 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” section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Second Romance Language: 6 SCH from the same Romance Language (French, Latin or Portuguese).

5. Major Communication: 33 SCH including: COMM 1326, 3310, 3322, 3325, 3327, 3329, 4320, 4324, 4340, 4350, 4360.

6. Major Spanish: 33 SCH including SPAN 3300, 3305, 3310, 4333, 4351 and 4398. and 15 SCH 3000-4000 level Spanish.

7. Arts and Science Elective: 3 SCH at the 3000-4000 level from any department within the College of Arts and Science.

Degree Requirements for the BA with a Major in English

1. 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” section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university’s foreign language admission requirement. Thus students who meet the university’s foreign language admission 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 3 months in a non-English speaking country.

5. Major: 33 SCH including ENGL 4399; **Surveys of Literature:** 3 SCH (in addition to the survey of literature course taken as part of the Core Curriculum) selected from the following ENGL 2322, 2323, 2327, 2328, 2332, 2333 or 2365;

Language Studies: ENGL 3339 and either ENGL 3347 or 4309; **Major Authors:** ENGL 4301; **American Literature:** 6 SCH from ENGL 3303, 3329, 4323, 4324, 4332, 4333, or 4398 (when topic is American); **British Literature:** 6 SCH

from ENGL 4306, 4325, 4327, 4328, 4329, 4330, 4331, 4336 or 4398 (when topic is British); **Advanced English Electives:** 6 SCH from 3000-4000 level ENGL courses.

6. Minor: 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 Arts and Science electives, 12 SCH of which must be at the 3000-4000 level, from any department within the College of Arts and Sciences.

7. Arts&Sciences Electives: 18 SCH, at least twelve of which must be at the 3000-4000 level, from any department within the College of Arts and Science.

8. BA/MA Option: See Combined BA/MA Programs in this section.

Degree Requirements for the BA with a major in English with Grades 8-12 Certification in English Language Arts and Reading

1. 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” section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university’s foreign language admission requirement. Thus students who meet the university’s foreign language admission 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 3 months in a non-English speaking country.

5. Major: 48 SCH including ENGL 3310, 3361, 3339, 4301, 4390 and 4399; **Surveys of Literature:** (in addition to the survey of literature course taken as part of the core curriculum) 6 SCH selected from ENGL 2322, 2323, 2327, 2328, 2332, 2333 or 2365; **Language Studies:** 3 SCH selected from ENGL 3347 or 4309; and 12 SCH selected from any 3000-4000 level ENGL course with the limitation of only one from ENGL 3323, 3324, and 3325. **Reading:** EDRD 3309, 3320 and 4303.

6. Professional Development: 21 SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

Degree Requirements for the BA with a Major in History

1. 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” section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Social/Behavioral Science Elective: 3 SCH selected from HIST 3350/3351.

5. Geography: 3 SCH designated as GEOG 1303.

6. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university’s foreign language admission requirement. Thus students who meet the university’s foreign language admission 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 3 months in a non-English speaking country.

7. Major: 36 SCH including HIST 2321, 2322, 3302, 3303, 4310; Non-U.S. History, select 9 SCH from HIST 3301, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, 4341, 4342, or 4391; Chronological US History, select 9 SCH from HIST 4316, 4317, 4318, 4366, 4367, or 4368; Thematic US History, select 3 SCH from HIST 3370, 3380, 3385, 4364, 4390.

8. Minor: A minimum of 18 SCH from one discipline at least 12 of which must be at the 3000-4000 level. See Appendix C.

9. General Electives: 9 SCH at the 3000-4000 level.

10. BA/MA Option: See Combined BA/MA Programs in this section.

Degree Requirements for the BA with a major in History with Grades 8-12 Certification

1. 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” section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

5. Major: 45 SCH including GEOG 1303, HIST 2321, 2322, 3302, 3303, 3351, 4310, and SOST 4391; Non-U.S. History, select 9 SCH from HIST 3301, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, 4341, 4342, or 4391; Chronological History, select 9 SCH from HIST 4316, 4317, 4318, 4366, 4367, or 4368; Thematic History, select 3 SCH from HIST 3370, 3380, 3385, 4364, 4390.

6. Support Area: 3 SCH designated as EDRD 3320.

7. Professional Development: 21 SCH including EDCI 3301, 3302, 3304, 4993, and EDDP 4324.

Degree Requirements for the BA with Majors in History and Political Science

1. 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" section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra. Math 1342, Introductory Statistics, strongly recommended.

4. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

5. Social/Behavioral Science Elective: 3 SCH selected from HIST 3350/3351.

6. Major History: 33 SCH including HIST 2321, 2322, 3302, 3303, 4310; Non-U.S. History, select 6 SCH from HIST 3301, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, 4341, 4342 or 4391; Chronological History, select 6 SCH from HIST 4316, 4317, 4318, 4366, 4367, or 4368; Thematic History, select 6 SCH from HIST 3370, 3380, 3385, 4364, 4390.

7. Major Political Science: 33 SCH including PSCI 3301, 3313, 3314, 4311, and 4351; American Politics, select 3 SCH from PSCI 3320 or 4320; Comparative Politics, select 3 SCH from PSCI 3305 or 3310; International Relations, select 3 SCH from PSCI 4335 or 4340; Comparative/International Politics, select 3 SCH from PSCI 3308, 3340, 4309 or 4321 (when the topic is comparative or international), this requirement may also be met by the "second" or unused course in the Comparative Politics or International Relations required course sequence; and 6 SCH at the 3000-4000 level (or higher for BA/MA students) not used for any other requirement.

8. BA/MA Option: See Combined BA/MA Programs in this section.

Degree Requirements for the BA with a Major in Mathematics

1. 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" section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country. **Note:** Coursework may be applied to Liberal Arts Electives or Elective requirements below.

4. Major: 40 SCH including 1 SCH excess in the core, COSC 1136, 1336, MATH 2414, 2415, 3310, 3330, 3360, 3365, 4310, 4335, 4345 and 6 SCH selected from any 4000 level MATH course.

5. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

6. Liberal Arts Electives: 12 SCH with at least six at the 3000-4000 level from arts, economics, humanities, natural sciences and social sciences. Courses must be outside the major and minor unless seeking a double major. See Note in #3 above.

7. Electives: 8 SCH. See Note in #3 above.

Degree Requirements for the BA with a Major in Mathematics with Grades 8-12 Certification

- 1. Hours Required:** A minimum of **124** 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.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
- 3. Major:** **46** SCH and the 1 SCH excess of Mathematics taken as part of the core; COSC 1136, 1336, MATH 2414, 2415, 3310, 3325, 3330, 3360, 3365, 4310, 4335, 4390 and 9 SCH selected from any 4000 level MATH courses.
- 4. Supporting Field:** **12** SCH in one discipline defined as a major or minor. The student must develop a plan of study for the supporting field (to include a list of courses and a justification essay that describes how the discipline and the selected plan will support mathematics) in collaboration with a faculty member from the discipline.
- 5. Professional Development:** **21** SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.
- 6. Support Area:** **3** SCH of EDRD 3320.

Degree Requirements for the BA with a Major in Music

- 1. 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" section of this catalog.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation. 3 SCH of lower division MUSI courses will satisfy the Visual/Performing Arts required in the Core Curriculum.
- 3. MATH Elective:** **3** SCH selected from any math course above the level of College Algebra.
- 4. Major:** **54** SCH, including 3 SCH used in the Core, of MUSI, MUAP and MUEN courses as follows: 18 SCH of MUSI courses to include 1181, 1182, 1211, 1212, 1216, 1217, 2181, 2211, 2216, 3305; 3 SCH chosen from MUSI 3300 or 3301; 3 SCH chosen from 12 3346 or 3347; 16 SCH of MUAP at least 10 of which must be in the same principal area with 10 SCH at the 3000-4000 level and MUAP 4005; SCH of MUEN Performance Music Ensemble at least 8 of which must be at the 3000 level; 2 SCH of MUSI coursework selected from MUSI 3233, 3266, 3268, 3283, 3288, 3289 with the approval of advisor. All Aural Training and Music Theory courses must be passed with a grade of "C" or better. Note: When enrolled in applied music lessons, students must be concurrently enrolled in both an assigned University ensemble and MUAP 1010.
- 5. Minor:** **A minimum of 18 SCH from one discipline** at least twelve of which must be at the 3000-4000 level. See Appendix C.
- 6. Music Elective:** 6 SCH at the 3000-4000 level approved by the music studies advisor.
- 7. Other requirements:** Must audition with a full time faculty of the major performance area. Must complete a minimum of 6 semesters (with at least 8 SCH at the 3000-4000 level) in the same principle area.

Degree Requirements for the BA with a Major in Physical Science

- 1. 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" section of this catalog.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
- 3. Foreign Language/Study Abroad:** **6 SCH** in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.
- 4. Major:** **50** SCH and PHYS 2325, 2125, 2326, 2126 and MATH 2413 taken as part of the core with 1 SCH excess; COSC 1336, 1136, 1337, 1137, MATH 2414, 2415, 3310, 3330, 4340, 4350, PHYS 3305, 3310, 3315, 3320, 3325, 4305 and PHYS 4399.
- 5. Minor:** **A minimum of 18 SCH from one discipline** at least twelve of which must be at the 3000-4000 level. See Appendix C.
- 6. Electives:** **4** SCH.

Degree Requirements for the BA with a Major in Political Science

- 1. 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" section of this catalog.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra. Math 1342, Introductory Statistics, strongly recommended.

4. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

5. Major: 36 SCH including PSCI 3301, 3313, 3314, 4311, and 4351; American Politics, select 3 SCH from PSCI 3320 or 4320; Comparative Politics, select 3 SCH from PSCI 3305 or 3310; International Relations, select 3 SCH from PSCI 4335 or 4340; Comparative/International Politics, select 3 SCH from PSCI 3308, 3340, 4309 or 4321 (when the topic is comparative or international), this requirement may also be met by the "second" or unused course in the Comparative Politics or International Relations required course sequence; and 9 SCH at the 3000-4000 level (or higher for BA/MA students) not used for any other requirement.

6. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

7. General Electives: 15 SCH, at least 9 of which must be at the 3000-4000 level.

8. BA/MA Option: See Combined BA/MA Programs in this section.

Degree Requirements for the BA with a Major in Psychology

1. 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" section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

5. Major: 32 SCH including PSYC 2301, 2314, 2117/2317, 3102/3302, 3301, 4301 and 4325; 9 SCH from PSYC 3304, 3310, 3311, 3315, 4199-4399, 4303, 4305, 4306, 4307, 4308, 4309, 4310, or 4315. Note - Minimum entrance requirement for a Masters of Arts in Counseling Psychology: PSYC 3302, 4301, 4303, 4308 with a grade of "B."

6. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

7. General Electives: 19 SCH at the 3000-4000 level.

Degree Requirements for the BA with a Major in Sociology

1. 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" section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Communication: 3 SCH designated as ENGL 2311.

5. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

6. Major: 33 SCH including SOCI 1301, 1306, 3304, 3305, 4310/4317 and 4380; 15 SCH from SOCI 3302, 3304, 3305, 3307, 3308, 3310, 3316, 3336, 4311, 4318, 4320, 4325, 4370, 4375, 4390, or 4616.

7. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

8. Electives: 15 SCH at the 3000-4000 level from behavioral and social sciences, health sciences, Criminal Justice, Women or Gender Studies, or other advanced course approved by advisor.

8. BA/MA Option: See Combined BA/MA Programs in this section.

Degree Requirements for the BA with a Major in Spanish

- 1. 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” section of this catalog.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
- 3. MATH Elective:** **3** SCH selected from any math course above the level of College Algebra.
- 4. Foreign Language:** **6** SCH selected from the same language (Arabic, French, or Portuguese).
- 5. Major:** **33** SCH including SPAN 3300, 3305, 3310, 4303, 4308, 4312 and 4399; and 12 SCH selected from any other 3000-4000 SPAN courses.
- 6. Concentration in Translation (optional):** Will be earned if a student minors in Translation of English and Spanish and takes SPAN 4380, 4381, 4382, 4383, 4384 and 4385.
- 7. Minor: 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 Arts and Science electives, at least twelve of which must be at the 3000-4000 level, from any department within the College of Arts and Sciences.
- 8. Arts and Science Elective:** **18** SCH, at least twelve of which must beat the 3000-4000 level, from any department within the College of Arts and Science.
- 9. BA/MA Option:** See Combined BA/MA Programs in this section.

Degree Requirements for the BA in with a major in Spanish with Grades 8-12 Certification

- 1. 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” section of this catalog.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”. (Note: SPAN 2313 and SPAN 2315 are required in the foreign language core requirement for this degree.)
- 3. MATH Elective:** **3** SCH selected from any math course above the level of College Algebra.
- 4. Foreign Language:** **6** SCH selected from the same language (FREN, LATI or PORT).
- 5. Major:** **45** SCH including SPAN 3300, 3305, 3310, 4303, 4308, 4311 and 4399; 3 SCH from SPAN 3321 or 3322; 3 SCH selected from SPAN 3323 or 3326; 3 SCH selected from SPAN 3317 or 4312; 15 SCH selected from any SPAN at the 3000-4000 level.
- 6. Professional Development:** **21** SCH including EDCI 3301, 3302, 3304, 4993, and EDDP 4324.
- 7. Support Area:** **3** SCH designated as EDRD 4303.

Degree Requirements for the Bachelor of Music with a major in Music

- 1. 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” section of this catalog.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”. The 3 SCH of Visual/Performing Arts credit required in the Core Curriculum are 3 SCH of MUEN 1130 for instrumentalists, and MUSI 1161, 1162, 2161 for voice majors.
- 3. MATH Elective:** **3** SCH selected from any math course above the level of College Algebra.
- 5. Major:** **69** SCH of MUAP, MUEN and MUSI courses as follows: 32 SCH of MUSI 1181, 1182, 1211, 1212, 1216, 1217, 1302, 2181, 2211, 2216, 3253, 3300, 3301, 4304, 4350; 3 SCH selected from MUSI 3346 or 3347; 16 SCH of MUAP at least 10 of which must be in the same principal instrument with 8 SCH at the 3000 level and MUAP 3005 and 4005; 2 SCH of an additional MUAP in related instrument at the 3000 level; 10 SCH of MUEN Performance Music Ensemble at least 4 of which must be at the 3000 level; 4 SCH of MUSI coursework selected from MUSI 3233, 3266, 3268, 3283, 3288 or 3289 with the approval of advisor; 2 SCH of MUSI coursework selected from MUSI 4257, 4258, 4259 with approval of advisor. All Aural Training and Music Theory courses must be passed with a "C" or better.
- 5. Music Elective:** **6** SCH of 3000-4000 level MUAP, MUEN or MUSI with approval of music studies advisor.
- 6. Other requirements:** Must audition with a full-time faculty of the major performance area. Must complete 6 semesters in the same principal area.

Degree Requirements for the Bachelor of Music with a major in Music with All-Level Certification

- 1. Hours Required:** A minimum of **133** 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.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”. The 3 SCH of Visual/Performing Arts must be completed by taking MUSI 1307 or any 3 SCH with approval of music studies advisor.
- 3. MATH Elective:** **3** SCH selected from any math course above the level of College Algebra.

4. Major: 64 SCH of MUAP, MUEN, and MUSI courses as follows: 16 SCH of MUAP with at least 8 SCH upper division in primary instrument, and MUAP 4005. 31 SCH of MUSI to include MUSI 1181, 1182, 1211, 1212, 1216, 1217, 1302, 2181, 2211, 2216, 3253, 3254, 3300, 3301, and 3 SCH selected from MUSI 3346 and 3347. 9 SCH of MUEN Performance Music Ensemble is required to include 7 SCH in ensemble associated with the primary instrument and 2 SCH of upper division credits in a secondary ensemble. 8 SCH of MUSI to include MUSI 3233; 4 SCH from MUSI 3266, 3268, 3283, 3288, or 3289 including 2 SCH in the major area of musical concentration; and 2 SCH selected from MUSI 3227, 4257, 4258 or 4259.

5. Professional Development: 21 SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

6. Support Area: 3 SCH of EDRD 3320.

7. Other requirements: Must pass the piano proficiency exam, and must audition with a full-time faculty of the major performance area. Must complete a minimum of 6 semesters (with at least 8 SCH at the 3000-4000 level) in the same principle area.

PROGRAM OF STUDY - BACHELOR OF SCIENCE

Degree Requirements for the BS in Criminal Justice

1. 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" section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

5. Social/Behavior Science Elective: 3 SCH selected from any 3000-4000 level ANTH/CRIJ/ECO/GEOG/GENU/HIST/PHIL/PSCI/PSYC/SOCI/URBS/WGST.

6. Major: 33 SCH including CRIJ 1301, 2329, 4321, 4325, (CRIJ 3305/SOCI 3305), SOCI 3336; 3 SCH from CRIJ 1306, 2313, 2328; and 12 SCH selected from CRIJ 3000-4000 electives. **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.

7. Minor: 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 Arts and Science electives, at least twelve of which must be at the 3000-4000 level, from any department within the College of Arts and Sciences.

8. Electives: 15 SCH, at least nine of which must be at the 3000-4000 level.

Degree Requirements for the BS with a Major in Biology

1. Hours Required: A minimum of 127 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH: 8 SCH designated as MATH 1342 and MATH 2413 and 1 SCH surplus credit from core..

4. Major: 47 SCH and the 8 SCH of BIOL 1406 and 1411 taken as part of the core. Additional lower-level requirements: BIOL 1413 and 2421. Advanced requirements include BIOL 3406, 3410, 3412, 3413, 4170 and 22 SCH selected from BIOL 3403, 3404, 3407, 3414, 3416, 3451, 4170, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4173-4473, 4371-4471, ENSC 3310, 3401, 4170, 4173-4473, 4310 or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.

5. Supporting Sciences Curriculum: 24 SCH including CHEM 1411, 1412, 2423, 2425, and PHYS 1301, 1101, 1302 and 1102.

6. Electives: 6 SCH at the 3000-4000 level.

Degree Requirements for the BS with a Major in Chemistry

1. 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" section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH Elective: 8SCH designated as MATH 2414 and MATH 3330 and 1 SCH surplus from core.

4. Major: 38 SCH and the 8 SCH of CHEM 1411 and 1412 taken as part of the core; additional lower level requirements of CHEM 2423, 2425; upper level requirements of CHEM 3405, 3431, 3451, 4120 (taken twice) and 4411; and 12 SCH selected from any additional CHEM course at the 3000-4000 level. CHEM 4120 may be repeated for up to 2 SCH of credit within the degree program.

5. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

6. Supporting Sciences Curriculum: 12 SCH including PHYS 1301/1101, PHYS 1302/1102 and BIOL 1406.

Degree Requirements for the BS with a Major in Environmental Science

1. 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" section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation". BIOL 1406, GEOL 1303/1103 and MATH 1342 must be taken as part of the core.

3. MATH: 4 SCH selected from MATH 2412 or MATH 2413.

4. Major: 51 SCH including BIOL 3410; CHEM 1411, 1412, 2423 and 3400; ENSC 1301/1101, 3310, 3401, 4170, 4340, 4410, 4430; GEOL 1305/1105 and 4460.

5. Restricted Electives: Lower Division: 8 SCH selected from BIOL 1411, 1413, 2421; EPSC 2401. **Upper Division: 15 SCH** selected from BIOL, CHEM, GEOL, ENSC 4173-4473. May be repeated for up to 4 SCH. One course must be selected from each discipline (BIOL/CHEM/GEOL).

Degree Requirements for the BS with a Major in Mathematics

1. 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" section of this catalog.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation". MATH 2371 must be taken as part of the Core.

3. Major: 55 SCH including 1 SCH excess in core, COSC 1136, 1336, MATH 2414, 2415, MATH 3310, 3330, 3360, 3365, 4310, 4335, 4345 and 21 SCH at least 18 of which must be selected from any 4000 level MATH courses, excluding MATH 4390.

4. Minor: A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C.

5. Electives: 5 SCH, at the 3000-4000 level.

Degree Requirements for the BS with a Major in Science with Grades 8-12 Certification

1. Hours Required: A minimum of **124** 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH: 8 SCH, MATH 2412 and 2413.

4. Major: 50 SCH and the 8 SCH of BIOL 1406 and CHEM 1411 taken as part of the core. Requirements from the four science areas include: **Earth and Space Science** - 8 SCH from ASTR 1311/1111 or 1312/1112 and EPSC 1370/ 1170; and 4 SCH taken from GEOL 3401, 3405, 3415, 3425, 4170, 4199-4499; **Life Science** - 4 SCH from BIOL 1411, 1413 or 2421; and 8 SCH of advanced Biology taken from BIOL 3403, 3406, 3407, 3410, 3412, 3413, 3414, 3416, 3451, 4170, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4371-4471, ENSC3310, 4170, 4310, 4420 or 4430; **Physical Science** - PHYS 1301/1101, 1302/1102; **Chemical Science** - 8 SCH from CHEM 1412, 2423 and 8 SCH of advanced CHEM electives taken from CHEM 3400, 3405, 3406, 3431, 3432, 3451, 3452, 4120, 4409, 4410, 4411, 4431, 4199-4499, 4451, 4452. Additional requirement of 2 SCH from any advanced science research course BIOL 4173-4473, CHEM 4173-4473, ENSC 4173-4473, GEOL 4173-4473.

5. Professional Development: 21 SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

6. Support Area: 3 SCH of EDRD 3320.

Degree Requirements for the BS in Social Studies with Grades 8-12 Certification

1. 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".

3. MATH Elective: 3 SCH selected from any math course above the level of College Algebra.

4. Reading: 3 SCH designated as EDRD 3320.

5. Major: 60 SCH including ANTH 4351, ECO 1301, 2301, 2302, GEOG 1303, HIST 2321, 2322, 3302, 3351, 4310, PSCI 3301, 3310, 3311, 3353, 4320, 4335, SOST 4391 and 9 SCH from HIST 4316, 4317, 4318, 4366, 4367, or 4368.

6. Professional Development: 21 SCH including EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

Degree Requirements for the BS with a Major in Systems Engineering

1. Hours Required: A minimum of **126** 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”. MATH 2413 must be taken as part of the Core.

3. Major: 51 SCH including COSC 1136, 1336, ENGR 1201, 1202, 1204, 2103, 2303, 2105, 2305, 2372, 2376, SENG 3300, 3301, 3310, 3320, 3330, 3340, 3350, 3380 and 4390.

4. Required Prescribed Track: 18 SCH from Business or Systems Engineering. Business Track: BA 4390, MIS 3310, MKT 3310, TIL 3310, TIL 3311, TIL 3340. Systems Engineering Track: SENG 3370, SENG 4330, SENG 4340, SENG 4350, SENG 4360, SENG 4315.

5. MATH: 12 SCH including 1 SCH excess in the core, MATH 2414, MATH 2415, MATH 3310.

6. Business/Systems Engineering Electives: 3 SCH selected from BA 3320, BA 4199-4399, MKT 4310, MKT 4390, SENG 4370, SENG 4380, SENG 4385, SENG 4152-4352 or SENG 4195-4395.

Degree Requirements for the BSIS in English Language Arts and Reading with Grades 4-8 Certification

1. Hours Required: A minimum of **130** 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. Science Elective: 4 SCH selected from any science discipline.

4. Field of Study: 12 SCH including MATH 1350, 1351, PSYC 2312, SOCI 1306/NURS1302.

5. Major: 51 SCH including ENGL 3325, 3339, 3347, 3361, 4301, 4399; **Histories of Literature:** (in addition to the survey of literature course taken as part of the core curriculum) 3 SCH selected from ENGL 2322, 2323, 2327, 2328, 2332 or 2333; **Language Studies:** 3 SCH selected from ENGL 4309 or 4347; **Advanced English electives:** 9 SCH from any 3000-4000 level ENGL course with the exception of ENGL 3301, 3310, 3323, 3324 and 3325; **Reading:** EDRD 3300, 3302, 3303, 3309, 4307 and 4315.

6. Professional Development: 21 SCH including EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

Degree Requirements for the BSIS in English Language Arts and Social Studies with Grades 4-8 Certification

1. Hours Required: A minimum of **126** 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. Field of Study: 12 SCH including MATH 1350, 1351, PSYC 2312, and SOCI 1306/NURS 1302.

4. Major: 45 SCH including ANTH 4351, ENGL 3325, 3363, 4301; HIST 2321, 2322, 3302; PSCI 3310, 4320; SOST 4391; **Histories of Literature:** 3 SCH selected from ENGL 2322, 2323, 2327, 2328, 2332 or 2333; **Language Studies:** 3 SCH selected from ENGL 3347 or 4309; **Cultural and Rhetorical Studies:** 3 SCH selected from ENGL (3310 or 3323 or 3324), 3326, 3339, 3361, 4321, 4322, 4326, 4335, 4338, 4347, or 4390; **English Periods and Forms:** 6 SCH selected from ENGL 3303, 3316, 3329, 4306, 4323, 4324, 4327, 4328, 4329, 4330, 4331, 4332, 4333, 4334, 4336, 4337, 4355, 4365 or 4398.

5. Reading: 6 SCH, EDRD 3302 and EDRD 3320.

6. Professional Development: 21 SCH including EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

Degree Requirements for the BSIS with a Major in Mathematics with Grades 4-8 Certification

1. Hours Required: A minimum of **123** 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. Science Elective: 4 SCH from any science discipline.

4. Field of Study: 12 SCH including SOCI 1306/NURS1302, MATH 1350, 1351, and PSYC 2312.

5. Major: 38 SCH including 1 SCH excess in core, COSC 1336, 1136, MATH 2330, 2413, 2414, 2415, 3310, 3360, 3365, 4310, 4390 and 3 SCH selected from 3000-4000 level MATH courses.

6. Professional Development: 21 SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

7. Support Area: 6 SCH, EDRD 3309 and EDRD 3320.

Degree Requirements for the BSIS with a Major in Science with Grades 4-8 Certification

- 1. Hours Required:** A minimum of **121** 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.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
- 3. MATH Elective:** **7** SCH designated as MATH 1350 and Math 1351 and 1 SCH surplus from the Core.
- 4. Field of Study:** **6** SCH including: SOCI 1306/NURS 1302 and PSYC 2312.
- 5. Major:** **39** SCH and the 8 SCH of Natural Sciences (BIOL 1406 and CHEM 1411) taken as part of the core. Requirements from the four science areas include: **Earth and Space Science** - 8 SCH from ASTR 1311/1111 or 1312/1112 and EPSC 1370/ 1170; **Life Science** - 4 SCH from BIOL 1411, 1413 or 2421 and 8 SCH from BIOL 3410, 3413; **Physical Science** - 4 SCH from PHYS 1370/1170; and **Chemical Science** - 8 SCH from CHEM 1412 and 2423. An additional 7 SCH may be taken from upper level Biology, Chemistry or Geology courses (no more than 2 SCH hours of undergraduate research may be included from BIOL 4173-4473, ENSC 4173-4473, GEOL 4173-4473).
- 6. Professional Development:** **21** SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.
- 7. Support Area:** **6** SCH, EDRD 3309 and EDRD 3320.

Degree Requirements for the BSIS in Social Studies with Grades 4-8 Certification

- 1. Hours Required:** A minimum of **130** 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.
- 2. University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
- 3. Science Elective:** **4** SCH selected from any science discipline.
- 4. Field of Study:** **12** SCH including MATH 1350, MATH 1351, PSYC 2312, and SOCI 1306/NURS1302.
- 5. Major:** **45** SCH including ANTH 4351, ECO 1301, HIST 2321, 2322, 3302, 3310, 3351, PSCI 3310, 3311, 3353, 4335 and SOST 4391; 3 SCH selected from HIST 4316, 4317, 4318, 4366, 4367, 4368; 6 SCH selected from PSCI 3305, 4314, 4320 or 4326.
- 6. Reading:** **6** SCH, EDRD 3309 and EDRD 3320.
- 7. Professional Development:** **21** SCH including EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

PRE ENGINEERING PROGRAM

Pre-Engineering Curriculum for TAMIU students wishing to transfer to the College of Engineering at Texas A&M University.

SSI	HOURS	SSII	HOURS
MATH PREREQUISITES		MATH PREREQUISITES	
MATH 1314 College Algebra	3	MATH 1316 Plane Trigonometry	3
YEAR ONE		YEAR ONE	
FALL		SPRING	
CHEM 1411 General Chemistry I ¹	4	CHEM 1412 General Chemistry II ²	4
EDFS 1152 Health and Wellness	1	EDFS Activity/Wellness Elective ³	1
ENGL 1301 English Composition I ²	3	ENGL 2311 Technical Writing ²	3
ENGR 1201 Fnds of Engineering I ²	2	ENGR 1202 Fnds of Engineering II ²	2
MATH 2413 Calculus I ²	4	MATH 2414 Calculus II ²	4
PSCI 2305 American Natl Govt	<u>3</u>	PHYS 2125 University Physics I Lab ²	1
		PHYS 2325 University Physics I ²	<u>3</u>
Total	17		18
YEAR TWO		YEAR TWO	
FALL		SPRING	
ENGR 2103 Statics & Dynamics Lab	1	ENGR Engineering ⁶	3/4
ENGR 2303 Statics & Dynamics	3	HIST 1302 US History Since 1877	3
HIST 1301 The US to 1877	3	MATH Mathematics Elective ⁷	3
MATH 2415 Calculus III ^{2,4}	4	PSCI 2306 American State Govt	3
PHYS 2126 University Physics II Lab ²	1	Soc/Beh Sci or VPA Elec ⁸	<u>3</u>
PHYS 2326 University Physics II ²	3		
Visual/Performing Arts ⁵	<u>3</u>		
Total	18		15/16
TOTAL SEMESTER CREDIT HOURS: 67-68			

¹Does not transfer, prerequisite for CHEM 1412.

²Required coursework.

³Health/Wellness, select 1 SCH from EDFs 1101, 1104, 1111, 1130, 1143.

⁴MATH 2415 is equivalent to MATH 251, a 3 credit course at TAMU.

⁵Visual/Performing Arts, select 3 SCH from ARTS 1304, ARTS 1316, ARTS 1317, ARTS 2316, ARTS 2323, DANC 1242, DANC 1246, DANC 2247.

⁶Select ENGR 2103/2303 for non-EE majors or ENGR 2376 for EE Majors.

⁷Mathematics elective for Computer Science, select 3 SCH from MATH 3330 or MATH 3365.

⁸Select 3 SCH from ANTH 2346, ARTS 1304, ARTS 1316, ARTS 1317, ARTS 2316, ARTS 2323, DANC 1242, DANC 1246, DANC 2247, ECO 2301, ECO 2302, PSYC 2301, SOCI 1301 SOCI 1306.

*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 AND SCIENCES

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
VTF Vocational/Tech Field	3	VTF Vocational/Tech Field	3
VTF Vocational/Tech Field	<u>3</u>	VTF Vocational/Tech Field	3
		Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	Soc/Behavioral Science*	3
	4	Natural Science*	4
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
	3	Minor Curriculum**	3
VTF Vocational/Tech Field	<u>3</u>	VTF Vocational/Tech Field	<u>3</u>
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
	3	Adv ANTH/PHIL/GEOG	3
	3	Adv HIST/PSCI	3
	3	Communication ²	3
VTF Vocational/Tech Field	3	Adv LL/PSYC/SOCI	3
VTF Vocational/Tech Field	<u>3</u>	Adv Minor Curriculum**	3
Total	15	Adv Minor Curriculum**	<u>3</u>
SENIOR YEAR		SENIOR YEAR	
	3	ANTH 4351 Cultural Anthropology	3
	3	Adv LL/PSYC/SOCI	3
	3	Adv Minor Curriculum**	3
	3	Adv Elective	<u>3</u>
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Communication, select 3 SCH from COMM 1311, COMM 1315, ENGL 2311, HUM 2301 or MATH 2371.

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

**BACHELOR OF ARTS
DOUBLE MAJOR**

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. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ²	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
	4	Natural Science*	4
	<u>3</u>	For Lang/Study Abroad ¹	<u>3</u>
Total	16		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
ENGL Survey of Literature*	3	Soc/Behavioral Science*	3
Visual/Performing Arts*	3	Major 1	3
Major 1	3	Major 1	3
Major 2	<u>3</u>	Major 2	3
Total	15	Activity or Wellness*	<u>1</u>
JUNIOR YEAR		JUNIOR YEAR	
Major 1	3	Major 1	3
Major 1	3	Major 1	3
Major 2	3	Major 2	3
Major 2	3	Major 2	3
Communication ³	<u>3</u>	International Studies ⁴	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
Major 1	3	Major 1	3
Major 1	3	Major 1	3
Major 2	3	Major 2	3
Major 2	3	Major 2	<u>3</u>
Major 2	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Foreign Language/Study Abroad, select 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

²Math elective, select 3 SCH from any math course above the level of College Algebra.

³Communication, select 3 SCH from ENGL 2311, HUM 2301, MATH 2371 or COMM 1311.

⁴International Studies, select 3 SCH from ANTH 3308, 4351; ARTS 1303, 1304, 3310, 3330, 3352, 3353; COMM 4320; ENGL 2332, 2333, 3311, 3312, 3326, 4326, 4334; GEOG 1303, 3351, 3352, 3353; HIST 2321, 2322, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, 4341, 4342. 4391; MGT 4351, MUSI 3300, 3301, 3305; PORT 3324; PSCI 3305, 3308, 3310, 3312, 3340, 4307, 4309, 4335; SOCI 3307, 3308, 4318; SPAN 4300.

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

**BACHELOR OF ARTS
MAJOR IN ART**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
ARTS 1311 Design I	3	ARTS 1312 Design II	3
ARTS 1316 Drawing I	<u>3</u>	ARTS 1317 Drawing II	3
		Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	Visual/Performing Arts*	3
Natural Science*	4	Natural Science*	4
COMM 1311 Funds of Communications	3	ARTS Intro to Art Media ²	3
ARTS Intro to Art Media ²	3	ARTS Adv Art Media ³	3
ARTS 1303 Art Hist Surv: Preh-Ren ⁵	<u>3</u>	ARTS 1304 Art Hist Surv: Ren-Mod	<u>3</u>
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
Soc/Behavioral Science*	3	ARTS Adv Art Media ³	3
Advanced General Elec	3	ARTS Art History Elective ⁴	3
ARTS Adv Art Media ³	3	Minor Curr**	3
Minor Curriculum**	<u>3</u>	Advanced Minor Curr**	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
ARTS 3353 Contemp Art 1970-Pres	3	ARTS Art History Elective ⁴	3
ARTS Adv Art Media ³	3	Advanced Minor Curr**	3
Advanced Minor Curr**	3	Advanced General Elec	3
Advanced Minor Curr**	3	ARTS 4333 Pract Semnr in the Arts	<u>3</u>
Advanced General Elec	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²ARTS Media electives, select 6 SCH from ARTS 2316, 2323, 2326, 2333, 2346, or 2356.

³Advanced ARTS Media electives, select 12 SCH from ARTS 3308, 3309, 3323, 3324, 3333, 3335, 3365, 4173-4473, 4301, 4303, 4304, 4324, 4331, 4361, or 4365.

⁴Art History electives, select 6 SCH from ARTS 3310, 3330, 3352. ARTS 3352 is strongly recommended as preparation for the required course, ARTS 3353.

⁵ARTS 1301 may be substituted for this course.

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

**BACHELOR OF ARTS
MAJOR IN ART WITH ALL LEVEL CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
ARTS 1311 Design I	3	ARTS 1312 Design II	3
ARTS 1316 Drawing I	<u>3</u>	ARTS 1317 Drawing II	3
		EDFS 1152 Health and Wellness	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	Visual/Performing Arts*	3
	4	Natural Science*	4
COMM Communication ²	3	ARTS Intro to Art Media ³	3
ARTS Intro to Art Media ³	3	ARTS Adv Art Media ⁵	3
ARTS 1303 Art Hist Surv:Preh-Ren ⁴	<u>3</u>	ARTS 1304 Art Hist Surv:Ren-Mod	<u>3</u>
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
	3	ARTS Adv Art Media ⁵	3
EDRD 3320 Content Rdg Public Schls	3	ARTS Art History Elective ⁶	3
ARTS Adv Art Media ⁵	3	EDCI 3301 Public School Teaching	3
ARTS Art History Elective ⁶	<u>3</u>	EDCI 3302 Language Acq&Develop	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
ARTS 3353 Contemp Art 1970-Pres	3	EDCI 4993 Student Teaching	9
ARTS Adv Art Media ⁵	3	ARTS 4333 Pract Semnr in the Arts	<u>3</u>
EDCI 3304 Methods, Mgt&Discipline	3		
EDDP 4324 Teaching Div Stu Pop	3		
	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Communication, select 3 SCH from ENGL 2311 or COMM 1311.

³ARTS Media electives, select 6 SCH from ARTS 2316, 2323, 2326, 2333, 2346, or 2356.

⁴ARTS 1301 may be substituted for this course.

⁵Advanced ARTS Media electives, select 12 SCH from ARTS 3308, 3309, 3323, 3324, 3333, 3335, 3365, 4173-4473, 4301, 4303, 4304, 4324, 4331, 4361, or 4365.

⁶Art History electives, select 6 SCH from ARTS 3310, 3330, 3352. ARTS 3352 is strongly recommended as preparation for the required course, ARTS 3353.

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

**BACHELOR OF ARTS
MAJOR IN BIOLOGY**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Cell & Molecular Biology	4	BIOL Biology Elective ¹	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
PSCI 2305 American National Govt	<u>3</u>	MATH 2412 Pre-Calculus	<u>4</u>
Total	14		15
SOPHOMORE YEAR		SOPHOMORE YEAR	
CHEM 2423 Organic Chemistry I	4	CHEM 2425 Organic Chemistry II	4
BIOL Biology Elective ¹	4	MATH 1342 Introductory Statistics	3
PHYS 1301 General Physics I	3	PHYS 1302 General Physics II	3
PHYS 1101 General Physics Lab	1	PHYS 1102 General Physics Lab	1
ENGL Survey of Literature*	<u>3</u>	ENGL 2311 Technical Writing	3
		Activity or Wellness*	<u>1</u>
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
BIOL Advanced Biology Elec ²	4	BIOL 3413 Intro to Genetics	4
BIOL Advanced Biology Elec ²	4	BIOL 4170 Biology Seminar	1
HIST 1301 The U.S. to 1877	3	BIOL Advanced Biology Elec ²	4
PSCI 2306 American State Govt	3	BIOL Advanced Biology Elec ²	4
Minor Curriculum**	<u>3</u>	Minor Curriculum**	<u>3</u>
Total	17		16
SENIOR YEAR		SENIOR YEAR	
BIOL Advanced Biology Elec ²	4	BIOL 3410 Ecology	4
Visual/Performing Arts*	3	BIOL Advanced Biology Elec ²	4
Advanced Minor Curr**	3	Soc/Behavioral Science*	3
Advanced Minor Curr**	3	Advanced Minor Curr**	3
HIST 1302 The U.S. Since 1877	<u>3</u>	Advanced Minor Curr**	<u>3</u>
Total	16		17

TOTAL SEMESTER CREDIT HOURS: 125

¹Biology electives, select 8 SCH from BIOL 1411, 1413 or 2421.

²Advanced Biology electives, select 24 SCH from BIOL 3403, 3404, 3406, 3407, 3412, 3414, 3416, 3451, 4170, 4173-4473, 4371, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4471, ENSC 3310, 3401, 4170, 4173-4473, 4310, or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH for credit within the degree.

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

**BACHELOR OF ARTS
MAJOR IN BIOLOGY
WITH GRADES 8 -12 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Cell & Molecular Biology	4	BIOL 1411 General Botany	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
PSCI 2305 American National Govt	3	MATH 2412 Pre-Calculus	4
HIST 1301 The U.S. to 1877	<u>3</u>	HIST 1302 The U.S. Since 1877	<u>3</u>
Total	17		18
SOPHOMORE YEAR		SOPHOMORE YEAR	
BIOL 2421 Microbiology	4	BIOL 1413 General Zoology	4
CHEM 2423 Organic Chemistry I	4	BIOL 3410 Ecology	4
MATH 1342 Introductory Statistics	3	PSCI 2306 American State Govt	3
ENGL Survey of Literature*	3	Activity or Wellness*	1
MATH 2413 Calculus I	<u>4</u>	ENGL 2311 Technical Writing	<u>3</u>
Total	18		15
JUNIOR YEAR		JUNIOR YEAR	
BIOL Advanced Biology Elec ¹	4	BIOL 3413 Intro to Genetics	4
BIOL Advanced Biology Elec ¹	4	BIOL Advanced Biology Elec ¹	4
Soc/Behavioral Science*	3	EDCI 3301 Public School Teaching	3
Visual/Performing Arts*	<u>3</u>	EDCI 3302 Language Acq&Develop	<u>3</u>
Total	14		14
SENIOR YEAR		SENIOR YEAR	
BIOL Advanced Biology Elec ¹	4	EDRD 3320 Content Reading	3
BIOL Advanced Biology Elec ¹	4	EDCI 4993 Student Teaching	9
EDDP 4324 Teaching Div Stu Pop	3		
EDCI 3304 Methods, Mgt&Discipline	<u>3</u>		
Total	14		12

TOTAL SEMESTER CREDIT HOURS: 122

¹Biology electives, select 20 SCH from BIOL 3403, 3404, 3406, 3407, 3412, 3414, 3416, 3451, 4170, 4173-4473, 4371, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4471, ENSC 3310, 3401, 4170, 4173-4473, 4310 or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.

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

**BACHELOR OF ARTS
MAJOR IN COMMUNICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
	4	Natural Science*	4
	<u>3</u>	General Elective	<u>3</u>
Total	16		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	PSCI 2306 American State Govt	3
PSCI 2305 American National Govt	3	Visual/Performing Arts*	3
COMM 3300 Communication&Meaning	3	COMM 3310 Methods of Inquiry	3
COMM Communication ²	3	For Lang/Study Abroad ³	3
For Lang/Study Abroad ³	<u>3</u>	Minor Curriculum**	3
Total	15	Activity or Wellness*	<u>1</u>
JUNIOR YEAR		JUNIOR YEAR	
COMM COMM Elec ⁴	3	COMM 4340 Communication Ethics	3
COMM COMM Elec ⁴	3	COMM COMM Elec ⁴	3
Advanced Minor Curr**	3	COMM COMM Elec ⁴	3
Soc/Behavioral Science*	3	Advanced Minor Curr**	3
Minor Curriculum**	<u>3</u>	Advanced General Elec	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
COMM 4360 Comm Theory&Prac	3	COMM 4350 Internship	3
COMM COMM Elec ⁴	3	COMM COMM Elec ⁴	3
COMM COMM Elec ⁴	3	COMM COMM Elec ⁴	3
Advanced Minor Curr**	3	Advanced Minor Curr**	<u>3</u>
Advanced General Elec	<u>3</u>		
Total	15		12
TOTAL SEMESTER CREDIT HOURS: 120			

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Communication, select 3 SCH from ENGL 2311 or COMM 1311.

³Foreign Language/Study Abroad, select 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

³COMM electives, select 24 SCH from any remaining COMM courses, with at least 3 SCH from COMM 2331, 3102/3202, 3132/3232, 3327, or 4330 (if the topic has a media focus). COMM 4325 may be replaced with MGT 3320. Certain courses (COMM 3324 and 4330) may be taken more than once (when topics vary) for credit within the degree program.

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

**BACHELOR OF ARTS
MAJORS IN COMMUNICATION AND SPANISH**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ²	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
	4	Natural Science*	4
	<u>3</u>	Foreign Language ¹	<u>3</u>
Total	16		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	COMM 1326 Journalistic Writing	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
COMM 3325 Mass Communication	3	SPAN 3305 Adv Spanish Grammar&Comp	3
COMM Communication ³	3	Soc/Behavioral Science*	3
SPAN 3300 Spanish Grammar&Comp	<u>3</u>	Visual/Performing Arts*	3
	15	Activity or Wellness*	<u>1</u>
Total	15		16
JUNIOR YEAR		JUNIOR YEAR	
COMM 3322 Public Relations	3	COMM 3329 Funds of Advertising	3
COMM 3327 Writing for Broadcast News	3	COMM 4320 Transnational Trends in Comm	3
SPAN 3310 Intro to Lit in Spanish	3	COMM 4340 Intercult, Prof, Pers Ethics	3
SPAN 4351 Intro to Engl-Span Translation	3	SPAN Adv SPAN Elective ⁴	3
SPAN Adv SPAN Elective ⁴	<u>3</u>	SPAN Adv SPAN Elective ⁴	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
COMM 3310 Methods of Inquiry	3	COMM 4324 Comparative Journalism	3
COMM 4360 Comm Theory&Prac	3	COMM 4350 Internship ⁶	3
SPAN 4398 Creative Writing	3	SPAN 4333 Spc Tpc Hisp Lit & Culture	3
SPAN Adv Spanish Elective ⁴	3	SPAN Adv Spanish Elective ⁴	<u>3</u>
Arts&Sciences Elective ⁵	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Foreign Language, select 6 SCH of French, Latin or Portuguese.

²Math elective, select 3 SCH from any math course above the level of College Algebra.

³Communication, select 3 SCH from COMM 1300 or COMM 1315.

⁴Spanish elective, select 15 SCH from any 3000-4000 level Spanish.

⁵Arts and Science elective, 3 SCH at the 3000-4000 level from any department within the College of Arts and Science.

⁶Internship, 3 SCH in organizations dealing with Hispanic clients and audiences such as Spanish TV stations, radio stations, corporate communication offices, public relations and advertising firms.

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

**BACHELOR OF ARTS
MAJOR IN ENGLISH**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements. Instead of a minor, students may complete 18 SCH of Arts and Science electives, 12 SCH of which must be at the 3000-4000 level, from any department within the College of Arts and Sciences.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ²	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
		Natural Science*	4
		Arts&Science Elective ¹	<u>3</u>
Total	16		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSCI 2305 American National Govt	3	ENGL Survey of Literature*	3
COMM Communication ³	3	ENGL Language Studies ⁵	3
		For Lang/Study Abroad ⁴	3
		Visual/Performing Arts*	3
		Arts&Science Elective ¹	<u>3</u>
Total	15	PSCI 2306 American State Govt	3
		Minor Curriculum**	3
		Activity or Wellness*	<u>1</u>
		Total	16
JUNIOR YEAR		JUNIOR YEAR	
ENGL 3339 History of English Lang	3	ENGL Adv Amer Lit Elective ⁷	3
ENGL 4301 Shakespeare's Major Plays	3	ENGL Adv British Lit Elective ⁸	3
		ENGL Survey of Literature ⁹	3
		Adv Minor Curriculum**	3
		Adv Arts&Science Elective ⁶	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
ENGL 4399 Senior Seminar	3	ENGL Adv ENGL Elective ¹⁰	3
ENGL Adv Amer Lit Elective ⁷	3	ENGL Adv ENGL Elective ¹⁰	3
ENGL Adv British Lit Elective ⁸	3	Adv Minor Curriculum**	3
		Adv Arts&Science Elective ⁶	<u>3</u>
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Arts&Sciences electives, select from any discipline within the College of Arts and Sciences.

²Math elective, select 3 SCH from any math course above the level of College Algebra.

³Communication, select 3 SCH from COMM 1311, COMM 1315 or ENGL 2311.

⁴Foreign Language/Study Abroad, select 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

⁵Language Studies, select 3 SCH from ENGL 3347 or 4309.

⁶Advanced Arts&Sciences electives, select from 3000-4000 level courses offered within the College of Arts and Sciences.

⁷American Literature, select 3 SCH from ENGL 3303, 3329, 4323, 4324, 4332, 4333, or 4398 (when topic is American).

⁸British Literature, select 3 SCH from ENGL 4306, 4325, 4327, 4328, 4329, 4330, 4331, 4336 or 4398 (when topic is British).

⁹Survey of Literature, select 3 SCH from ENGL 2322, 2323, 2327, 2328, 2332, 2333, or 2365.

¹⁰Advanced English electives, select 6 SCH from 3000-4000 level ENGL courses.

Note: See information on the combined BA/MA in English.

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

Some courses may require prerequisites not listed.

**BACHELOR OF ARTS MAJOR IN ENGLISH
WITH GRADES 8 - 12 CERTIFICATION
IN ENGLISH LANGUAGE ARTS AND READING**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR			
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
	4	Natural Science*	4
PSCI 2305 American National Govt	<u>3</u>	PSCI 2306 American State Govt	<u>3</u>
Total	16		16
SOPHOMORE YEAR			
COMM Communication ²	3	ENGL 3310 Young Adult Literature	3
ENGL Survey of Literature*	3	ENGL Survey of Literature ⁴	3
	3	For Lang/Study Abroad ³	3
	3	ENGL Language Studies ⁵	3
	<u>3</u>	Activity or Wellness*	<u>1</u>
Total	15		13
JUNIOR YEAR			
ENGL 3339 Hist of the English Lang	3	ENGL 3361 The Composition Process	3
ENGL 4301 Shakespeare's Major Plays	3	ENGL Survey of Literature ⁴	3
ENGL Adv ENGL Elective ⁶	3	EDRD 4303 Spc Topics Sec Rdg	3
ENGL Adv ENGL Elective ⁶	3	EDCI 3301 Public School Teaching	3
EDRD 3309 Tchg Rdg in Schools	3	EDCI 3302 Language Acq&Develop	<u>3</u>
EDRD 3320 Content Reading	<u>3</u>		
Total	18		15
SENIOR YEAR			
ENGL 4399 Senior Seminar	3	ENGL 4390 Issues in the Tchng of Eng	3
ENGL Adv ENGL Elective ⁶	3	EDCI 4993 Student Teaching	<u>9</u>
ENGL Adv ENGL Elective ⁶	3		12
EDCI 3304 Methods, Mgt&Discipline	3		
EDDP 4324 Teaching Div Stu Pop	<u>3</u>		
Total	15		

TOTAL SEMESTER CREDIT HOURS: 120

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

³Foreign Language/Study Abroad, select 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

⁴Survey of Literature, select 6 SCH from ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2365.

⁵Language Studies, select 3 SCH from ENGL 3347 or 4309.

⁶Advanced English electives, select 12 SCH from 3000-4000 level ENGL courses with the exception of ENGL 3301 and with the limitation of only one from the following: ENGL 3323, 3324, 3325.

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

Some courses may require prerequisites not listed.

**BACHELOR OF ARTS
MAJOR IN HISTORY**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ²	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
	3	For Lang/Study Abroad ¹	3
GEOG 1303 Gen World Geography	3	Soc/Behavioral Science*	3
	<u>3</u>	Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
HIST 2321 World Civ to 1648	3	HIST 2322 World Civ Since 1648	3
ENGL Survey of Literature*	3	COMM Communication ³	3
	3	Soc/Behavioral Science ⁴	3
	4	Natural Science*	<u>4</u>
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
HIST 3302 History of Texas	3	HIST Chron U.S. Hist Elective ⁵	3
HIST 3303 Historical Methods	3	HIST Non-U.S. Hist Elective ⁶	3
HIST Chron U.S. Hist Elective ⁵	3	Minor Curriculum**	3
	3	Adv Minor Curriculum**	3
	<u>3</u>	Advanced General Elective	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
HIST Non-U.S. Hist Elective ⁶	3	HIST 4310 Intellectual Hist of the US	3
HIST Non-U.S. Hist Elective ⁶	3	HIST Thmtc US Hist Elective ⁷	3
HIST Chron U.S. Hist Elective ⁵	3	Adv Minor Curriculum**	3
	3	Advanced General Elec	<u>3</u>
	<u>3</u>		
Total	15		12
TOTAL SEMESTER CREDIT HOURS: 120			

¹Foreign Language/Study Abroad, select 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

²Math elective, select 3 SCH from any math course above the level of College Algebra.

³Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

⁴Social/Behavioral Science elective, select 3 SCH from HIST 3350 or 3351

⁵Chronological American History, select 9 SCH from HIST 4316, 4317, 4318, 4366, 4367 or 4368.

⁶Non-U.S. History, select 9 SCH from HIST 3301, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, 4341, 4342, or 4391.

⁷Thematic U.S. History, select 3 SCH from HIST 3370, 3380, 3385, 4364 or 4390.

Note: See for information on the combined BA/MA degree in History.

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

**BACHELOR OF ARTS
MAJOR IN HISTORY
WITH GRADES 8 - 12 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
GEOG 1303 General World Geography	3	Visual/Performing Arts*	3
COMM 1311 Funds of Communications	<u>3</u>	Soc/Behavioral Science*	3
		Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	HIST 2322 World Civ since 1648	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
HIST 2321 World Civ to 1648	3	HIST Non-U.S. Hist Elective ³	3
For Lang/Study Abroad ²	3	For Lang/Study Abroad ²	3
Natural Science*	<u>4</u>	Natural Science*	<u>4</u>
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
HIST 3302 History of Texas	3	SOST 4391 Topics in Social Studies	3
HIST 3303 Historical Methods	3	HIST Non U.S. Hist Elective ³	3
HIST Non U.S. Hist Elective ³	3	HIST Chron U.S. Hist Elective ⁴	3
HIST Chron U.S. Hist Elective ⁴	3	EDCI 3301 Public School Teaching	3
EDRD 3320 Content Reading	<u>3</u>	EDCI 3302 Language Acq&Develop	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
HIST Chron U.S. Hist Elective ⁴	3	HIST 4310 Intellectual Hist of U.S.	3
HIST Thmtc U.S. Hist Elective ⁵	3	EDCI 4993 Student Teaching	<u>2</u>
HIST 3351 World Hist & Geography	3		
EDCI 3304 Methods, Mgt&Discipline	3		
EDDP 4324 Teaching Div Stu Pop	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Foreign Language/Study Abroad, select 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

³Non-U.S. History, select 9 SCH from HIST 3301, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, 4341, 4342, or 4391.

⁴Chronological U.S. History, select 9 SCH from HIST 4316, 4317, 4318, 4366, 4367, or 4368.

⁵Thematic U.S. History, select 3 SCH from HIST 3370, 3380, 3385, 4364 or 4390.

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

**BACHELOR OF ARTS
MAJORS IN HISTORY AND POLITICAL SCIENCE**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
GEOG 1303 Gen World Geography	<u>3</u>	Visual/Performing Arts*	3
		Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
HIST 2321 World Civ to 1648	3	HIST 2322 World Civ Since 1648	3
ENGL Survey of Literature*	3	COMM Communication ³	3
PSCI 3301 Research Methods in Soc Science	3	HIST Chron U.S. Hist Elective ⁴	3
Natural Science*	4	Natural Science*	4
For Lang/Study Abroad ²	<u>3</u>	For Lang/Study Abroad ²	<u>3</u>
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
HIST 3302 History of Texas	3	HIST Chron U.S. History ⁴	3
HIST 3303 Historical Methods	3	HIST Non-U.S. Hist Elective ⁷	3
PSCI 3313 Classical Pol Philosophy	3	PSCI 3314 Modern Political Philosophy	3
PSCI American Politics ⁵	3	PSCI International Relations ⁸	3
PSCI Adv PSCI Elective ⁶	<u>3</u>	PSCI Adv PSCI Elective ⁶	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
PSCI 4311 Constitutional Law	3	PSCI 4351 Senior Seminar in PSCI	3
PSCI Comparative Politics ⁹	3	Social/Behavioral Science ¹²	3
PSCI Comp/Intl PSCI Elective ¹⁰	3	HIST 4310 Intellectual Hist of the US	3
HIST Non-U.S. History ⁷	3	HIST Thematic U.S. History ¹¹	<u>3</u>
HIST Thematic U.S. History ¹¹	<u>3</u>		
Total	15		12
TOTAL SEMESTER CREDIT HOURS: 120			

¹Math elective, select 3 SCH from any math course above the level of College Algebra. MATH 1342, Introductory Statistics, strongly recommended.

²Foreign Language, 6 SCH in the same language.

³Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

⁴Chronological U.S. History, select 6 SCH from HIST 4316, 4317, 4318, 4366, 4367 or 4368.

⁵American Politics, select 3 SCH from PSCI 3320 or 4320

⁶Advanced PSCI, select 6 SCH at the 3000 level or above not used for any other requirement.

⁷Non-U.S. History, select 6 SCH from HIST 3301, 3320, 3330, 3392, 3393, 3394, 4302, 4320, 4330, 4340, 4341, 4342 or 4391.

⁸International Relations, select 3 SCH from PSCI 4335 or 4340.

⁹Comparative Politics, select 3 SCH from PSCI 3305 or 3310.

¹⁰Comparative/International Politics, select 3 SCH from PSCI 3308, 3340, 4309, or 4321 (when the topic is Comparative or International); this requirement may also be met by the "second" or unused course in the Comparative Politics or International Relations required course sequence; and 6 SCH at the 3000-4000 level (or higher for BA/MA students) not used for any other requirement.

¹¹Thematic U.S. History, select 6 SCH from HIST 3370, 3380, 3385, 4364 or 4390.

¹²Social/Behavioral Science elective, select 3 SCH from HIST 3350 or 3351.

Note: See information on the combined BA/MA degree in History.

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

**BACHELOR OF ARTS
MAJOR IN MATHEMATICS**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. To 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II	4
	4	Natural Science*	4
	<u>1</u>	Visual/Performing Arts**	<u>3</u>
Total	15		17
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	MATH 3330 Ord Diff Equations	3
COSC 1136 Funds of Progr Lab	1	MATH 3360 Statistical Analysis	3
COSC 1336 Fundamentals of Progr	3	MATH 3365 Discrete Mathematics	3
MATH 2371 Communications in Math	3	PSCI 2306 American State Govt	3
MATH 2415 Calculus III	4	Minor Curriculum*	<u>3</u>
PSCI 2305 American National Govt	<u>3</u>		
Total	17		15
JUNIOR YEAR		JUNIOR YEAR	
MATH 4335 Advanced Calculus	3	MATH 4310 Abstract Algebra	3
MATH 3310 Intro to Linear Algebra	3	Elective ³	3
	3	Elective ³	3
	<u>3</u>	Adv Minor Curriculum**	3
	<u>3</u>	Liberal Arts Elective ^{1,3}	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
MATH Advanced Math Elective ²	3	MATH 4345 Complex Variables	3
MATH Advanced Math Elective ²	3	MATH 3195 Seminar (Free Elective)	1
	3	Adv Liberal Arts Elective ¹	3
	3	Adv Minor Curriculum**	3
MATH 3195 Seminar (Free Elective)	<u>1</u>	Adv Minor Curriculum**	<u>3</u>
Total	13		13

TOTAL SEMESTER CREDIT HOURS: 120

¹Liberal Arts Electives, select 12 SCH with at least six at the 3000-4000 level from arts, economics, humanities, natural sciences and social sciences. Courses must be outside the major and minor unless seeking a double major.

²Advanced Math Electives, select 6 SCH from any 4000 level MATH course.

³Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country. Note: Coursework may be applied to Liberal Arts Electives or Elective requirements.

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

**BACHELOR OF ARTS
MAJOR IN MATHEMATICS
WITH GRADES 8 - 12 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. To 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II	4
	4	Natural Science*	4
	<u>1</u>	Visual/Performing Arts*	<u>3</u>
Total	15		17
SOPHOMORE YEAR		SOPHOMORE YEAR	
COSC 1136 Funds of Progr Lab	1	MATH 3330 Ord Diff Equations	3
COSC 1336 Fundamentals of Progr	3	MATH 3360 Statistical Analysis	3
ENGL Survey of Literature*	3	MATH 3365 Discrete Mathematics	3
MATH 2415 Calculus III	4	PSCI 2306 American State Govt	3
MATH 2371 Communications in Math	3	Soc/Behavioral Science*	<u>3</u>
PSCI 2305 American National Govt	<u>3</u>		
Total	17		15
JUNIOR YEAR		JUNIOR YEAR	
MATH 3310 Intro Linear Algebra	3	MATH 3325 Geometry	3
MATH 4335 Advanced Calculus	3	MATH 4310 Abstract Algebra	3
EDRD 3320 Content Reading	3	MATH Advanced Math Elective	3
	3	EDCI 3301 Public School Teaching	3
Supporting Field ¹	<u>3</u>	EDCI 3302 Language Acq&Develop	3
Supporting Field ¹	<u>3</u>	Supporting Field ¹	<u>3</u>
Total	15		18
SENIOR YEAR		SENIOR YEAR	
MATH 4000 Advanced Math Elective	3	EDCI 4993 Student Teaching	9
MATH 4000 Advanced Math Elective	3	MATH 4390 Math Middle/High School	<u>3</u>
EDDP 4324 Teaching Div Stu Pop	3		
EDCI 3304 Methods, Mgt&Discipline	3		
	<u>3</u>		
Supporting Field ¹	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 124

¹Supporting Field, select 12 SCH in one discipline defined as a major or minor. The student must develop a plan of study for the supporting field (to include a list of courses and a justification essay that describes how the discipline and the selected plan will support mathematics) in collaboration with a faculty member from the discipline.

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

**BACHELOR OF ARTS
MAJOR IN MUSIC**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See **Appendix A Core Curriculum and Optional Course Information**.

** See **Appendix C** for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1314 College Algebra	3	Activity or Wellness*	1
MUAP 1213 App Music Inst ¹	2	MUAP 1213 App Music Inst ¹	2
MUEN Perf Music Ensemble	1	MUEN Perf Music Ensemble	1
MUSI 1181 Piano Class I	1	MUSI 1182 Piano Class II	1
MUSI 1211 Music Theory I	2	MUSI 1212 Music Theory II	2
MUSI 1216 Aural Training I	<u>2</u>	MUSI 1217 Aural Training II	<u>2</u>
Total	17		15
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	MATH Math Elective ²	3
Natural Science*	4	Natural Science*	4
MUAP 1213 App Music Inst ¹	2	Soc/Behavioral Science*	3
MUEN Perf Music Ensemble	1	MUAP 1213 App Music Inst ¹	2
MUSI 2181 Piano Class III	1	MUEN Perf Music Ensemble	<u>1</u>
MUSI 2211 Music Theory III	2		
MUSI 2216 Aural Training III	<u>2</u>		
Total	15		13
JUNIOR YEAR		JUNIOR YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
COMM Communication ³	3	MUAP 3213 App Music Inst ¹	2
MUAP 3213 App Music Inst ¹	2	MUEN Adv Perf Music Ensemble	1
MUEN Adv Perf Music Ensemble	1	MUEN Addtl Adv Per Music Ens	1
MUEN Addtl Adv Per Music Ens	1	MUSI Music History ⁴	3
MUSI 3305 Music and Culture	3	Adv Music Elective ⁵	3
Minor Curriculum**	<u>3</u>	Minor Curriculum**	<u>3</u>
Total	16		16
SENIOR YEAR		SENIOR YEAR	
MUAP 3213 Appl Music Inst ¹	2	MUAP 3213 Appl Music Inst ¹	2
MUEN Adv Perf Music Ensemble	1	MUEN Adv Perf Music Ensemble	1
MUEN Addtl Adv Per Music Ens	1	MUEN Addtl Adv Per Music Ens	1
MUSI Adv Music Theory ⁶	3	MUSI Adv Music Elective ⁷	2
Adv Music Elective ⁵	3	Adv Minor Curriculum**	3
Adv Minor Curriculum**	3	Adv Minor Curriculum**	3
Adv Minor Curriculum**	<u>3</u>	MUAP 4005 Senior Performance	<u>0</u>
Total	16		12
TOTAL SEMESTER CREDIT HOURS: 120			

¹When enrolled in applied music lessons, students must be concurrently enrolled in both an assigned University ensemble and MUAP 1010.

²Math elective, select 3 SCH from any math course above the level of College Algebra.

³Communication, select 3 SCH from HUM 2301 or COMM 1311.

⁴Music History elective, select 3 SCH from MUSI 3300 or 3301

⁵Music electives, select 6 SCH at the 3000-4000 level with approval of music studies advisor.

⁶Advanced Music Theory, select 3 from MUSI 3346 or 3347.

⁷Music Education Curriculum, select 2 SCH from MUSI 3233, 3266, 3268, 3283, 3288 or 3289

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

Some courses may require prerequisites not listed.

**BACHELOR OF ARTS
MAJOR IN PHYSICAL SCIENCE**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
COSC 1136 Funds of Progr Lab	1	COSC 1137 Obj Oriented Prog Lab	1
COSC 1336 Fundamentals of Progr	3	COSC 1337 Obj Oreinted Progrmng	3
ENGL 1301 English Composition I	3	ENGL 1302 English Composition	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II	4
PSCI 2305 American National Govt	<u>3</u>	PSCI 2306 American State Govt	<u>3</u>
Total	17		17
SOPHOMORE YEAR		SOPHOMORE YEAR	
MATH 2415 Calculus III	4	MATH 3330 Ordinary Diff Equations	3
PHYS 2325 University Physics I	3	PHYS 2326 University Physics II	3
PHYS 2125 University Physics I Lab	1	PHYS 2126 University Physics II Lab	1
MATH 2371 Communications in Math	3	Soc/Behavioral Science*	3
Minor Curriculum**	3	ENGL Survey of Literature*	3
Activity or Wellness*	<u>1</u>	Minor Curriculum**	<u>3</u>
Total	15		16
JUNIOR YEAR		JUNIOR YEAR	
MATH 3310 Intro to Linear Algebra	3	MATH 4350 Partial Diff Equations	3
PHYS 3320 Electromagnetic Theory	3	PHYS 3305 Optics&Wave Theory	3
PHYS 3315 Classical Mechanics	3	Adv Minor Curriculum**	3
Adv Minor Curriculum**	3	Adv Minor Curriculum**	3
Visual/Performing Arts*	<u>3</u>	For Lang/Study Abroad ¹	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
MATH 3195 Seminar (Free Elective)	1	MATH 4340 Numerical Analysis I	3
PHYS 3310 Modern Physics	3	PHYS 4305 Quantum Mechanics	3
PHYS 3325 Thermodynamics	3	PHYS 4399 Special Topics in Phys	3
Adv Minor Curriculum**	3	Elective	<u>3</u>
Foreign Language/Study Abroad ¹	<u>3</u>		
Total	13		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

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

**BACHELOR OF ARTS
MAJOR IN POLITICAL SCIENCE**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
General Elective	3	COMM Communication ²	3
Minor Curriculum**	<u>3</u>	Visual/Performing Arts*	3
		Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
ENGL Survey of Literature*	3	Minor Curr**	3
GEOG 1303 General World Geography	3	General Elective	3
Natural Science*	4	Natural Science*	4
For Lang/Study Abroad ³	<u>3</u>	For Lang/Study Abroad ³	<u>3</u>
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
PSCI 3301 Research Methods Soc Sci	3	PSCI 3314 Modern Political Philosophy	3
PSCI 3313 Cls&Med Pol Philosophy	3	PSCI International Relations ⁶	3
PSCI American Politics ⁴	3	PSCI Adv PSCI Elective ⁵	3
PSCI Adv PSCI Elective ⁵	3	Advanced Minor Curr**	3
Advanced Minor Curr**	<u>3</u>	Advanced Elective	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
PSCI 4311 Constitutional Law	3	PSCI 4351 Senior Seminar in PSCI	3
PSCI Comparative Politics ⁷	3	PSCI Adv PSCI Elective ⁵	3
PSCI Comp/Intl PSCI Elective ⁸	3	Advanced Elective	3
Advanced Minor Curr**	3	Advanced Minor Curr**	<u>3</u>
Advanced Elective	<u>3</u>		
Total	15		12
TOTAL SEMESTER CREDIT HOURS: 120			

¹Math elective, select 3 SCH from any math course above the level of College Algebra. MATH 1342, Introductory Statistics, strongly recommended.

²Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

³Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

⁴American Politics, select 3 SCH from PSCI 3320 or 4320.

⁵Advanced PSCI, select 9 SCH at the 3000 level or above not used for any other requirement.

⁶International Relations, select 3 SCH from PSCI 4335 or 4340.

⁷Comparative Politics, select 3 SCH from PSCI 3305 or 3310.

⁸Comparative/International Politics, select 3 SCH from PSCI 3308, 3340, 4309, or 4321 (when the topic is Comparative or International); this requirement may also be met by the "second" or unused course in the Comparative Politics or International Relations required course sequence.

Note: See information on the combined BA/MA in Political Science.

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

**BACHELOR OF ARTS
MAJOR IN PSYCHOLOGY**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
COMM 1311 Funds of Communications	3	PSCI 2306 American State Govt	3
MATH 1314 College Algebra	3	Soc/Behavioral Science*	3
PSCI 2305 American National Govt	<u>3</u>	Visual/Performing Arts*	3
		Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSYC 2301 Intro to Psychology	3	PSYC 2314 Lifespan Growth&Development	3
ENGL Survey of Literature*	3	PSYC 2117 Basic Statistics for Psyc Lab	1
MATH Math Elective ¹	3	PSYC 2317 Basic Statistics for Psychology ²	3
Natural Science*	4	Advanced General Elective	3
Minor Curriculum**	<u>3</u>	Natural Science*	<u>4</u>
Total	16		14
JUNIOR YEAR		JUNIOR YEAR	
PSYC 3102 Research Meth Lab	1	PSYC 4301 Psychology of Personality	3
PSYC 3302 Research Meth in Beh Sci	3	PSYC Restricted Psychology Elec ⁴	3
PSYC 3301 Social Psychology	3	PSYC Restricted Psychology Elec ⁴	3
For Lang/Study Abroad ³	3	For Lang/Study Abroad ²	3
Minor Curriculum**	3	Advanced General Elec	<u>3</u>
Advanced Minor Curr**	<u>3</u>		
Total	16		15
SENIOR YEAR		SENIOR YEAR	
PSYC 4325 Cognitive Psychology	3	Advanced General Elec	3
PSYC Restricted Psychology Elec ⁴	3	Advanced General Elec	3
Advanced General Elec	3	Advanced General Elec	3
Advanced Minor Curr**	3	Advanced General Elec	3
Advanced Minor Curr**	<u>3</u>	Advanced Minor Curr**	<u>1</u>
Total	15		13
TOTAL SEMESTER CREDIT HOURS: 121			

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Students must earn a grade of C or better "C" or better to register in the subsequent required course, PSYC 3302 Research Methods.

³Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

⁴Restricted Psychology electives, select 9 SCH from PSYC 3304, 3310, 3311, 3315, 4199-4399, 4303, 4305, 4306, 4307, 4308, 4309, 4310, or 4315.

Note: Minimum entrance requirements for a Master of Arts in Counseling Psychology: PSYC 3302, 4301, 4303, 4308 with a grade of "B."

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

**BACHELOR OF ARTS
MAJOR IN SOCIOLOGY**

Sociology is the study of social life and the social causes and consequences of human behavior. A major in Sociology complements many career paths by developing students' understanding of the nature of society and social relationships as these affect them in their personal and professional lives. The general objectives of this major are to provide students with: 1) An understanding of the causes and consequences of social inequality, including those of race, gender, sexuality, and social class, 2) An understanding of the forces of social change and social stability, and 3) An array of job skills applicable to a wide variety of labor force positions.

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See **Appendix A Core Curriculum and Optional Course Information**.

** See **Appendix C** for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
SOCI 1301 Introduction to Sociology	3	SOCI 1306 Contemporary Social Probs	3
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
HIST 1301 The U.S. To 1877	3	HIST 1302 The U.S Since 1877	3
COMM 1311 Funds of Communications	<u>3</u>	For Lang/Study Abroad ²	3
		Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
SOCI Restricted SOCI Elective ³	3	SOCI Restricted SOCI Elective ³	3
ENGL Survey of Literature*	3	ENGL 2311 Technical Writing	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
Natural Science*	4	Natural Science*	<u>4</u>
For Lang/Study Abroad ²	3		
Visual/Performing Arts*	<u>3</u>		
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
SOCI 3304 Sociological Theory	3	SOCI 3305 Research Meths Soc Sci ⁴	3
SOCI Restricted SOCI Elective ³	3	SOCI Restricted SOCI Elective ³	3
Minor Curriculum**	3	SOCI Restricted SOCI Elective ³	3
Minor Curriculum**	3	Adv General Elective	3
Soc/Behavioral Science*	<u>3</u>	Advanced Minor Curr**	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
SOCI Inequality/Race Rels ⁴	3	SOCI 4380 Senior Pro Seminar	3
SOCI Restricted SOCI Elective ³	3	Advanced Minor Curr**	3
Advanced General Elec	3	Advanced Minor Curr**	3
Advanced General Elec	3	Adv General Elective	<u>3</u>
Advanced Minor Curr**	<u>3</u>		
Total	15		12
TOTAL SEMESTER CREDIT HOURS: 120			

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

³Restricted Sociology electives, select 15 SCH from SOCI 3302, 3304, 3305, 3307, 3308, 3310, 3316, 3336, 4311, 4318, 4320, 4325, 4370, 4375, 4390 or 4616. SOCI 4375 may be repeated when topic changes.

⁴Inequality or Race Relations, select 3 SCH from SOCI 4310 or SOCI 4317.

Note: See information on the combined BA/MA in Sociology.

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

**BACHELOR OF ARTS
MAJOR IN SPANISH**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See **Appendix A Core Curriculum and Optional Course Information**.

** See **Appendix C** for approved list of minors and requirements. Instead of a minor, students may complete 18 SCH of Arts and Science electives, at least twelve of which must be at the 3000-4000 level from any department within the College of Arts and Sciences.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR			
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ³	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
	3	Foreign Language ¹	3
	<u>3</u>	Soc/Behavioral Science*	3
		Activity or Wellness*	<u>1</u>
Total	15		16
SOPHOMORE YEAR			
SPAN 3300 Spanish Grammar&Comp	3	SPAN 3305 Adv Spanish Comp	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
ENGL Survey of Literature*	3	Arts&Science Elective ⁴	3
	4	Natural Science*	4
	<u>3</u>	Minor Curriculum**	<u>3</u>
Total	16		16
JUNIOR YEAR			
SPAN 3310 Intro to Lit in Spanish	3	SPAN 4303 Spanish Amer Novel	3
SPAN Adv SPAN Elective ⁵	3	SPAN 4312 Hist Spanish Lang	3
	3	SPAN Adv SPAN Elective ⁵	3
	3	Adv Arts&Science Elective ⁴	3
	<u>3</u>	Advanced Minor Curr**	<u>3</u>
Total	15		15
SENIOR YEAR			
SPAN 4308 Cervantes&Don Quijote	3	SPAN 4399 Senior Seminar	3
SPAN Adv SPAN Elective ⁵	3	SPAN Adv SPAN Elective ⁵	3
	3	Advanced Minor Curr**	3
	3	Advanced Minor Curr**	<u>3</u>
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Foreign Language, select 6 SCH from the same language - Arabic, French or Portuguese.

²Communication, select 3 SCH from COMM 1311 or ENGL 2311.

³Math elective, 3 SCH of any math course above the level of College Algebra.

⁴Arts&Science electives, select 18 SCH, at least twelve of which must be at the 3000-4000 level, from any department within the College of Arts and Sciences.

⁵Advanced Spanish electives, select 12 SCH at the 3000-4000 level.

Note: See information on the combined BA/MA in Spanish.

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

**BACHELOR OF ARTS
MAJOR IN SPANISH
WITH GRADES 8 - 12 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ²	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
	4	Natural Science*	4
	<u>3</u>	Second Romance Lang ¹	<u>3</u>
Total	16		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
SPAN 3300 Spanish Grammar&Comp	3	ENGL Survey of Literature*	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
COMM Communication ³	3	SPAN 3305 Adv Spanish Comp	3
	3	SPAN 3310 Intro to Lit in Spanish	3
	<u>3</u>	Activity or Wellness	<u>1</u>
Total	15		13
JUNIOR YEAR		JUNIOR YEAR	
SPAN Spanish Literature ⁴	3	SPAN 4303 Span American Novel	3
SPAN Spanish Amer Literature ⁵	3	SPAN 4311 Probs Tchg Spanish	3
SPAN Spanish Linguistics ⁶	3	EDCI 3301 Thry&Pract Pub Schl Tch	3
SPAN Adv Spanish Elective	3	EDCI 3302 Language Acq&Develop	3
SPAN Adv Spanish Elective	<u>3</u>	EDRD 4303 Spec Topics Secondary Rdg	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
SPAN 4308 Cervantes&Don Quijote	3	SPAN 4399 Senior Seminar	3
SPAN Adv Spanish Elective	3	EDCI 4993 Student Teaching	<u>2</u>
SPAN Adv Spanish Elective	3		
SPAN Adv Spanish Elective	3		
EDCI 3304 Methods, Mgt&Discipline	3		
EDDP 4324 Teaching Div Stu Pop	<u>3</u>		
Total	18		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Second Romance Language, select 6 SCH from the same Romance language including French, Latin, or Portuguese.

²Math elective, select 3 SCH from any math course above the level of College Algebra.

³Communication, select 3 SCH from COMM 1311, ENGL 2311 or HUM 2301.

⁴Spanish literature, select from SPAN 3321 or 3322.

⁵Spanish American literature, select from SPAN 3323 or 3326.

⁶Spanish linguistics, select 3 SCH from SPAN 3317 or 4312.

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

BACHELOR OF MUSIC MAJOR IN MUSIC

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**. *See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1314 College Algebra	3	Activity or Wellness*	1
MUAP 1213 App Music Inst ¹	2	Visual/Performing Arts ²	1
MUEN Perf Music Ensemble	1	MUAP 1213 App Music Inst ¹	2
MUSI 1181 Piano Class I	1	MUEN Perf Music Ensemble	1
MUSI 1211 Music Theory I	2	MUSI 1182 Piano Class II	1
MUSI 1216 Aural Training I	<u>2</u>	MUSI 1212 Music Theory II	2
		MUSI 1217 Aural Training II	<u>2</u>
Total	17		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	MATH Math Elective ³	3
Natural Science*	4	Natural Science*	4
Visual/Performing Arts ²	1	Soc/Behavioral Science*	3
MUAP 1213 App Music Inst ¹	2	Visual/Performing Arts ²	1
MUEN Perf Music Ensemble	1	MUAP 1213 App Music Inst ¹	2
MUSI 2181 Piano Class III	1	MUEN Perf Music Ensemble	1
MUSI 2211 Music Theory III	2	MUSI 1302 Computer/Electronic Music	<u>3</u>
MUSI 2216 Aural Training III	<u>2</u>		
Total	16		17
JUNIOR YEAR		JUNIOR YEAR	
COMM Communication ⁴	3	PSCI 2306 American State Govt	3
PSCI 2305 American National Govt	3	MUAP 3005 Junior Recital	0
MUAP 3213 App Music Inst ¹	2	MUAP 3213 Appl Music Inst ¹	2
MUSI Music Pedagogy Elec ⁵	2	MUSI Music Pedagogy Elec ⁵	2
MUEN Adv Perf Music Ensemble	1	MUEN Adv Perf Music Ensemble	1
MUEN Addtl Adv Perf Music Ens	1	MUEN Addtl Adv Perf Music Ens	1
MUSI 3300 Music History I	<u>3</u>	MUSI Adv Music Theory ⁶	3
		MUSI 3301 Music History II	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
MUAP 3113 Addtl Applied Music Inst ¹	1	MUAP 3113 Addtl Applied Music Inst ¹	1
MUAP 3213 Appl Music Inst ¹	2	MUAP 3213 Appl Music Inst ¹	2
MUSI Ensemble Literature ⁷	2	MUAP 4005 Senior Performance	0
MUSI Adv Perf Music Ensemble	1	MUEN Adv Perf Music Ensemble	1
MUSI Adv Music Elective ⁸	3	MUSI Adv Music Elective ⁸	3
MUSI 4301 Spec Topics in Music Lit	<u>3</u>	MUSI 3253 Basic Conducting	2
		MUSI 4350 Problems in Music Studies	<u>3</u>
Total	12		12
TOTAL SEMESTER CREDIT HOURS: 120			

¹When enrolled in applied music lessons, students must be concurrently enrolled in both an assigned University ensemble and MUAP 1010.

²Visual/Performing Arts, Instrumentalists must take 3 SCH of MUEN 1130; Voice majors take MUSI 1161, 1162, 2161.

³Math elective, select 3 SCH from any math course above the level of College Algebra.

⁴Communication, select 3 SCH from HUM 2301 or COMM 1311.

⁵Music Pedagogy elective, select 4 SCH from MUSI 3233, 3266, 3268, 3283, 3288, 3289.

⁶Advanced Music Theory elective, select from MUSI 3346 or MUSI 3347.

⁷Ensemble Literature, select 2 SCH from MUSI 4257, 4258, 4259.

⁸Select from 3000-4000 level MUAP, MUEN or MUSI coursework with approval of music studies advisor.

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

BACHELOR OF MUSIC
MAJOR IN MUSIC WITH ALL LEVEL CERTIFICATION

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
		COMM Communication ³	3
		Visual/Performing Arts ²	1
MUAP 1213 App Music Inst ¹	2	MUAP 1213 App Music Inst ¹	2
MUEN Perf Music Ensemble	1	MUEN Perf Music Ensemble	1
MUSI 1181 Piano Class I	1	MUSI 1182 Piano Class II	1
MUSI 1211 Music Theory I	2	MUSI 1212 Music Theory II	2
MUSI 1216 Aural Training I	<u>2</u>	MUSI 1217 Aural Training II	<u>2</u>
Total	16		18
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	MATH Math Elective ⁴	3
MATH 1314 College Algebra	3	Soc/Behavioral Science*	3
		Natural Science*	4
MUAP 1213 App Music Inst ¹	2	Visual/Performing Arts ¹	1
MUEN Perf Music Ensemble	1	MUAP 1213 App Music Inst ¹	2
MUSI 2181 Piano Class III	1	MUEN Perf Music Ensemble	1
MUSI 2211 Music Theory III	2	MUSI 1302 Computer/Electronic Music	<u>3</u>
MUSI 2216 Aural Training III	<u>2</u>		
Total	18		17
JUNIOR YEAR		JUNIOR YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
MUAP 3213 App Music Inst ¹	2	MUAP 3213 App Music Inst ¹	2
MUSI 3233 Elementary Music Class	2	MUAI Music Education Curr ⁵	2
EDRD 3320 Content Reading	3	MUEN Perf Music Ensemble	1
MUEN Perf Music Ensemble	1	MUEN Adv Perf Music Ensemble	1
MUEN Adv Perf Music Ensemble	1	MUSI 3301 Music History II	3
MUSI 3300 Music History I	3	EDCI 3301 Thry & Pract Pub Sch Tchg	3
MUSI 3253 Basic Conducting	<u>2</u>	EDCI 3302 Language Acq&Develop	<u>3</u>
Total	17		18
SENIOR YEAR		SENIOR YEAR	
MUAP 3213 App Music Inst ¹	2	EDCI 4993 Student Teaching	9
MUSI Music Ed Curriculum ⁵	2	MUSI Music Ed Curriculum ⁷	2
MUEN Perf Music Ensemble	1	MUAP 3213 App Music Inst ¹	2
MUSI 3254 Advanced Conducting	2	MUAP 4005 Senior Performance	<u>0</u>
MUSI Advanced Theory Elec ⁶	3		
EDCI 3304 Methods, Mgt&Discipline	3		
EDDP 4324 Teaching Div Stu Pop	<u>3</u>		
Total	16		13
TOTAL SEMESTER CREDIT HOURS: 133			

¹When enrolled in applied music lessons, students must be concurrently enrolled in both an assigned University ensemble and MUAP 1010.

²Visual/Performing Arts: Instrumentalists select MUEN 1130, vocalists select from MUSI 1161, 2160, 2161.

³Communication, select 3 SCH from HUM 2301 or COMM 1311.

⁴Math elective, select 3 SCH from any math course above the level of College Algebra.

⁵Music Education Curriculum, select 4 SCH from MUSI 3266, 3268, 3283, 3288, and 3289. 2 SCH must be in the major area of musical concentration.

⁶Advanced Music Theory elective, select 3 SCH from MUSI 3346 or 3347.

⁷Music Education Curriculum, select 2 SCH from MUSI 3227, 4257, 4258 or 4259.

*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

REQUIREMENTS

1. Criminal Justice majors should discuss options within the Core Curriculum with their academic advisor.
2. 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.

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See **Appendix A Core Curriculum and Optional Course Information**.

** See **Appendix C** for approved list of minors and requirements. Instead of a minor, students may complete 18 SCH of Arts and Science electives, at least twelve of which must be at the 3000-4000 level from any department within the College of Arts and Sciences.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
HIST 1301 The U.S to 1877	3	HIST 1302 The U.S Since 1877	3
	3	Soc/Behavioral Science*	3
Minor Curriculum**	3	Natural Science*	4
Natural Science*	4	Activity or Wellness*	1
Total	16		17
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
ENGL Survey of Literature*	3	CRIJ CRIJ Lower Level Elec ³	3
CRIJ 1301 Intro to Criminal Justice	3	ENGL 2311 Technical Writing	3
Minor Curriculum**	3	Visual/Performing Arts*	3
For Lang/Study Abroad ²	3	For Lang/Study Abroad ²	3
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
CRIJ 2329 Fund of Criminal Law	3	SOCI 3336 Criminology	3
CRIJ Rsrch Methods ⁴	3	CRIJ Adv CRIJ Elective ⁶	3
Soc/Behavioral Science ⁵	3	CRIJ Adv CRIJ Elective ⁶	3
CRIJ Adv CRIJ Elective ⁶	3	General Elective	3
General Elective	3	Adv General Elective	3
Total	15		15
SENIOR YEAR		SENIOR YEAR	
CRIJ Adv CRIJ Elective ⁶	3	CRIJ 4321 Senior Pro Seminar	3
Advanced Minor Curr**	3	CRIJ 4325 Statistics in Criminal Justice	3
Advanced Minor Curr**	3	Advanced Minor Curr**	3
Adv General Elective	3	Advanced Minor Curr**	3
Adv General Elective	3		3
Total	15		12
TOTAL SEMESTER CREDIT HOURS: 120			

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Foreign Language/Study Abroad: 6 SCH in course work (not credit by exam) above the university's foreign language admission requirement. Thus students who meet the university's foreign language admission 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 3 months in a non-English speaking country.

³Lower level Criminal Justice, select 3 SCH from CRIJ 1306 or CRIJ 2313 or CRIJ 2328.

⁴Research Methods, select 3 SCH from CRIJ 3305 or SOCI 3305.

⁵Social/Behavioral Science elective, select 3 SCH from any 3000-4000 level course from ANTH/CRIJ/ECO/GEOG/HIST/PHIL/PSCI/PSYC/SOCI/URBS/WGST.

⁶Advanced CRIJ electives, select 12 SCH from any 3000-4000 level CRIJ.

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

**BACHELOR OF SCIENCE
MAJOR IN BIOLOGY**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Cell & Molecular Biology	4	BIOL 1411 General Botany	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
PSCI 2305 American National Govt	3	MATH 2412 Pre-Calculus	4
HIST 1301 The U.S. to 1877	<u>3</u>	HIST 1302 The U.S. Since 1877	<u>3</u>
Total	17		18
SOPHOMORE YEAR		SOPHOMORE YEAR	
BIOL 2421 Microbiology	4	BIOL 1413 General Zoology	4
CHEM 2423 Organic Chemistry I	4	CHEM 2425 Organic Chemistry II	4
MATH 1342 Introductory Statistics	3	PSCI 2306 American State Govt	3
ENGL Survey of Literature*	3	ENGL 2311 Technical Writing	3
MATH 2413 Calculus I	<u>4</u>	Activity/Wellness*	<u>1</u>
Total	18		15
JUNIOR YEAR		JUNIOR YEAR	
BIOL 3412 Cell Biology	4	BIOL 3413 Intro to Genetics	4
BIOL Restricted Biology Elec ¹	4	BIOL Restricted Biology Elec ¹	4
PHYS 1301 General Physics I	3	PHYS 1302 General Physics II	3
PHYS 1101 Physics I Lab	1	PHYS 1102 Physics II Lab	1
Visual/Performing Arts	<u>3</u>	Soc/Behavioral Science*	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
BIOL 3406 Evolution	4	BIOL 3410 Ecology	4
BIOL Restricted Biology Elec ¹	4	BIOL 4170 Biology Seminar	1
BIOL Restricted Biology Elec ¹	4	BIOL Restricted Biology Elec ¹	4
Advanced Elective	<u>3</u>	BIOL Restricted Biology Elec ¹	2
Total	15	Advanced Elective	<u>3</u>
		Total	14

TOTAL SEMESTER CREDIT HOURS: 127

¹Restricted Advanced Biology electives: select 22 SCH from BIOL 3403, 3404, 3407, 3414, 3416, 3451, 4170, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4173-4473, 4371-4471; ENSC 3310, 3401, 4170, 4173-4473, 4310 or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.

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

**BACHELOR OF SCIENCE
MAJOR IN CHEMISTRY**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Cell & Molecular Biology	4	CHEM 1412 General Chemistry II	4
CHEM 1411 General Chemistry I	4	ENGL 1302 English Composition II	3
ENGL 1301 English Composition I	3	HIST 1302 The U.S. Since 1877	3
HIST 1301 The U.S. to 1877	<u>3</u>	Minor Curriculum**	4
		Activity/Wellness	<u>1</u>
Total	14		15
SOPHOMORE YEAR		SOPHOMORE YEAR	
CHEM 2423 Organic Chemistry I	4	CHEM 2425 Organic Chemistry II	4
PHYS 1301 General Physics I	3	PHYS 1302 General Physics II	3
PHYS 1101 Physics I Lab	1	PHYS 1102 Physics II Lab	1
MATH 2413 Calculus I	4	ENGL 2311 Technical Writing	3
Minor Curriculum**	<u>4</u>	MATH 2414 Calculus II	<u>4</u>
Total	16		15
JUNIOR YEAR		JUNIOR YEAR	
CHEM 3405 Analytical Chemistry I	4	CHEM Advanced CHEM Elec ¹	4
CHEM 3451 Biochemistry I	4	CHEM Advanced CHEM Elec ¹	4
Visual/Performing Arts	3	MATH 3330 Differential Equations	3
Adv Minor Curriculum**	<u>4</u>	Adv Minor Curriculum**	<u>4</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
CHEM 3431 Physical Chemistry I	4	CHEM 4120 Senior Seminar	1
CHEM 4120 Senior Seminar	1	CHEM Advanced CHEM Elec ¹	4
CHEM 4411 Inorganic Chemistry	4	ENGL Survey of Literature*	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
Soc/Behavioral Science*	<u>3</u>	Adv Minor Curriculum**	<u>4</u>
Total	15		15

TOTAL SEMESTER CREDIT HOURS: 120

¹Advanced Chemistry electives, select 12 SCH from any CHEM 3000-4000 level 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
MAJOR IN ENVIRONMENTAL SCIENCE**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Cell & Molecular Biology	4	Lower Division Restr Elec ¹	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
PSCI 2305 American National Govt	3	HIST 1302 The U.S. Since 1877	<u>3</u>
HIST 1301 The U.S. to 1877	<u>3</u>		14
Total	17		
SOPHOMORE YEAR		SOPHOMORE YEAR	
CHEM 2423 Organic Chemistry I	4	Lower Lev Restr Elec ¹	4
ENGL Survey of Literature*	3	ENSC 3401 Environmental Science	4
ENSC 1101 Intro Env Sys Lab	1	GEOL 1105 Environmental Geology Lab	1
ENSC 1301 Intro Env Systems	3	GEOL 1305 Environmental Geology	3
GEOL 1103 Physical Geology Lab	1	MATH 1342 Introductory Statistics	<u>3</u>
GEOL 1303 Physical Geology	<u>3</u>		15
TOTAL	15		
JUNIOR YEAR		JUNIOR YEAR	
Upper Division Restr Elec ²	4	Upper Division Restr Elec ²	4
ENGL 2311 Technical Writing	3	BIOL 3410 Ecology	4
ENSC 3310 Env/Nat Rsrce Cons	3	CHEM 3400 Environmental Chemistry	4
MATH Math Elective ³	4	PSCI 2306 American State Govt	<u>3</u>
Total	14		15
SENIOR YEAR		SENIOR YEAR	
Upper Division Restr Elec ²	4	Upper Division Restr Elec ²	4
ENSC 4170 Senior Seminar	1	ENSC 4340 Environmental Regs&Pol	3
ENSC 4310 Environ Toxicology	3	ENSC 4430 Limnology	4
GEOL 4460 Introduction to GIS	4	Soc/Behavioral Science	3
Visual/Performing Arts*	<u>3</u>	Activity/Wellness*	<u>1</u>
Total	15		15

TOTAL SEMESTER CREDIT HOURS: 120

¹Lower division restricted elective, 8 SCH selected from BIOL 1411, 1413, 2421; EPSC 240.

²Upper division restricted elective, 16 SCH selected from BIOL, CHEM, GEOL or ENSC 4173-4473. May be repeated for up to 4 SCH. One course must be selected from each discipline (BIOL/CHEM/GEOL).

³Math elective, 4 SCH selected from MATH 2412 or MATH 2413.

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

**BACHELOR OF SCIENCE
MAJOR IN MATHEMATICS**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. To 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II	4
	4	Natural Science*	<u>4</u>
	<u>1</u>	Natural Science*	<u>4</u>
	<u>1</u>	Activity or Wellness*	<u>1</u>
Total	15		14
SOPHOMORE YEAR		SOPHOMORE YEAR	
COSC 1136 Funds of Prog Lab	1	MATH 3330 Differential Equations	3
COSC 1336 Funds of Programming	3	MATH 3360 Statistical Analysis	3
ENGL Survey of Literature*	3	MATH 3365 Discrete Mathematics	3
MATH 2371 Communications in Math	3	PSCI 2306 American State Govt	3
MATH 2415 Calculus III	4	Visual/Performing Arts*	<u>3</u>
PSCI 2305 American National Govt	<u>3</u>		
Total	17		15
JUNIOR YEAR		JUNIOR YEAR	
MATH 4335 Advanced Calculus	3	MATH 4310 Abstract Algebra	3
MATH 3310 Linear Algebra	3	MATH Math Elective ¹	3
	3	MATH Advanced Math Elective ¹	3
	3	MATH Advanced Math Elective ¹	3
	<u>3</u>	Adv Minor Curriculum**	<u>3</u>
	<u>3</u>		
Total	15		15
SENIOR YEAR		SENIOR YEAR	
MATH Advanced Math Elective ¹	3	MATH 4345 Complex Variables	3
MATH Advanced Math Elective ¹	3	MATH Advanced Math Elective ¹	3
MATH Advanced Math Elective ¹	3	MATH 3195 Seminar (Free Elective)	1
MATH 3195 Seminar (Free Elective)	1	Adv Minor Curriculum**	3
	3	Adv Minor Curriculum**	<u>3</u>
	<u>3</u>		
Total	16		13

TOTAL SEMESTER CREDIT HOURS: 120

¹Math electives, select 21 SCH at least 18 of which must be from any 4000 level math courses, excluding MATH 4390.

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

**BACHELOR OF SCIENCE
MAJOR IN SCIENCE
WITH GRADES 8 - 12 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR			
BIOL 1406 Cell & Molecular Biology	4	BIOL Biology Elective ¹	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	MATH 2412 Pre-Calculus	4
PSCI 2305 American National Govt	<u>3</u>	HIST 1302 The U.S. Since 1877	<u>3</u>
Total	17		18
SOPHOMORE YEAR			
ASTR Planetary or Stellar ²	4	EPSC 1370 Survey of Earth Science	3
CHEM 2423 Organic Chemistry	4	EPSC 1170 Earth Science Lab	1
ENGL Survey of Literature*	3	PSCI 2306 American State Govt	3
MATH 2413 Calculus I	4	ENGL 2311 Technical Writing	3
Activity/Wellness	<u>1</u>	Soc/Behavioral Science*	3
		Visual/Performing Arts*	<u>3</u>
Total	16		16
JUNIOR YEAR			
BIOL Advanced BIOL Elec ³	4	BIOL Advanced BIOL Elec ³	4
CHEM Advanced CHEM Elec ⁴	4	GEOL Advanced GEOL Elec ⁵	4
PHYS 1301 General Physics I	3	PHYS 1302 General Physics II	3
PHYS 1101 General Physics I Lab	1	PHYS 1102 General Physics II Lab	1
MATH 1342 Introductory Statistics	<u>3</u>	EDCI 3301 Public School Teaching	3
		EDCI 3302 Language Acq&Develop	<u>3</u>
Total	15		18
SENIOR YEAR			
CHEM Advanced CHEM Elec ⁴	4	EDRD 3320 Content Reading	3
Science Research ⁶	2	EDCI 4993 Student Teaching	9
EDDP 4324 Teaching Div Stu Pop	3		
EDCI 3304 Methods, Mgt&Discipline	<u>3</u>		
Total	12		12

TOTAL SEMESTER CREDIT HOURS: 124

¹Select 4 SCH from BIOL 1411, 1413 or 2421.

²Earth & Space Science, select 4 SCH from ASTR 1311/1111 or ASTR 1312/1112.

³Biology electives, select 8 SCH from BIOL 3403, 3406, 3407, 3410, 3412, 3413, 3414, 3416, 3451, 4170, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4371-4471, ENSC 3310, 4170, 4310, 4420 or 4430.

⁴Chemistry electives, select 8 SCH from CHEM 3400, 3405, 3406, 3431, 3432, 3451, 3452, 4120, 4409, 4410, 4411, 4431, 4199-4499, 4451, 4452.

⁵Geology electives, select 4 SCH from GEOL 3401, 3405, 3415, 3425, 4170, 4199-4499.

⁶Science research, select 2 SCH from BIOL 4173-4473, CHEM 4198-4498, ENSC 4173-4473, GEOL 4173-4473.

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

**BACHELOR OF SCIENCE
MAJOR IN SOCIAL STUDIES
WITH GRADES 8 - 12 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH Math Elective ¹	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
		Natural Science*	4
		Soc/Behavioral Science*	<u>3</u>
Total	14		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
HIST 2321 World Civ to 1648	3	GEOG 1303 Gen World Geography	3
ENGL Survey of Literature*	3	ECO 1301 Survey of Economics	3
COMM Communication ²	3	HIST 2322 World Civ since 1648	3
		HIST Adv HIST Elective ³	<u>3</u>
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
HIST 3302 History of Texas	3	ANTH 4351 Intro Cultural Anthropology	3
ECO 2301 Macroeconomics	3	HIST 4310 Intellectual Hist U. S.	3
HIST 3351 World Hist&Geog	3	HIST Adv HIST Elective ³	3
PSCI 3301 Rsrch Meths Soc Sci	3	ECO 2302 Microeconomics	3
PSCI 3310 Studies Contemp Pols	3	EDRD 3320 Content Reading	3
PSCI 3311 Intro to Political Thought	<u>3</u>	EDCI 3301 Public School Teaching	3
Total	18	EDCI 3302 Language Acq&Develop	<u>3</u>
SENIOR YEAR		SENIOR YEAR	
EDCI 3304 Meth, Mgt&Disc Mid/Sec	3	EDCI 4993 Student Teaching	9
EDDP 4324 Teaching Div Stu Pop	3	PSCI 3353 Political Geography	3
HIST Adv HIST Elective ³	3	SOST 4391 Topics in Social Studies	<u>3</u>
PSCI 4320 Pol System of U.S.	3		
PSCI 4335 International Politics	<u>3</u>		
Total	15		15

TOTAL SEMESTER CREDIT HOURS: 129

¹Math elective, select 3 SCH from any math course above the level of College Algebra.

²Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

³History elective, select 9 SCH from HIST 4316, 4317, 4318, 4366, 4367 or 4368.

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

**BACHELOR OF SCIENCE
MAJOR IN SYSTEMS ENGINEERING**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
ENGR 1201 Founds of Engineering I	2	ENGR 1202 Founds of Engineering II	2
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II	4
COSC 1136 Funds of Prog Lab	1	PHYS 2125 University Physics I Lab	1
COSC 1336 Funds of Programming	<u>3</u>	PHYS 2325 University Physics I	<u>3</u>
Total	16		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
PHYS 2126 University Physics II Lab	1	ENGR 2105 Princ Elec Engr Lab	1
PHYS 2326 University Physics II	3	ENGR 2305 Princ Elec Engineering	3
ENGL 2311 Technical Writing	3	ENGR 2372 Intro Design Experiments	3
ENGR 1204 Engineering Graphics	2	ENGR 2376 Cons Princ Thermal Engr	3
ENGR 2103 Eng Mechanics&Dyn Lab	1	MATH 3310 Linear Algebra	3
ENGR 2303 Eng Mechanics&Dynamics	3	Visual/Performing Arts*	<u>3</u>
MATH 2415 Calculus III	<u>4</u>		
Total	17		16
JUNIOR YEAR		JUNIOR YEAR	
HIST 1301 The U.S. To 1877	3	HIST 1302 The U.S. Since 1877	3
SENG 3300 Engineering Economics	3	SENG 3330 Operations Research I	3
SENG 3310 Intro Cont Sys	3	SENG 3340 Robotics&Automation	3
SENG 3320 Engr Modeling&Des	3	SENG 3350 Prodcn Planng&Cont	3
SENG 3380 Engineering Statistics	3	Soc/Behavioral Science*	3
Activity or Wellness*	<u>1</u>	ENGL Survey of Literature*	<u>3</u>
Total	16		18
SENIOR YEAR		SENIOR YEAR	
SENG 3301 Tech Reports&Proj Mgt	3	SENG 4390 SE Senior Design Project	3
BUS/SENG Track ¹	3	BUS/SENG Track ¹	3
BUS/SENG Track ¹	3	BUS/SENG Track ¹	3
BUS/SENG Track ¹	<u>3</u>	BUS/SENG Elective ²	<u>3</u>
BUS/SENG Track ¹	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 126

¹Business Track: BA 4390, MIS 3310, MKT 3310, TIL 3310, TIL 3311 and TIL 3340; Systems Engineering Track: SENG 3370, SENG 4330, SENG 4340, SENG 4350, SENG 4360 and SENG 4315.

²Business/Systems Engineering electives, select 6 SCH from BA 3320, BA 4199-4399, MKT 4310, MKT 4390, SENG 4370, SENG 4380, SENG 4385, SENG 4152-4352 or SENG 4195-4395.

*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 INTERDISCIPLINARY STUDIES
MAJOR IN ENGLISH LANGUAGE ARTS AND READING
WITH GRADES 4 - 8 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH 1350 Fundamentals of Math I	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
	3	PSYC 2312 Developmental Psychology	3
	3		3
	4		4
	4		4
Total	16		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	ENGL Survey of Literature ³	3
MATH 1351 Fundamentals of Math II	3	ENGL 3325 Intermediate Children's Lit	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
COMM Communication ¹	3	SCI Science Elective	4
	3		1
	3		1
	3		1
	3		1
Total	18		14
JUNIOR YEAR		JUNIOR YEAR	
ENGL 3339 History of Engl Language	3	ENGL 3361 The Composition Process	3
ENGL 4301 Shakespeare's Major Plays	3	ENGL Language Studies ⁴	3
ENGL 3347 General Linguistics	3	ENGL Adv ENGL Elective ⁵	3
ENGL Adv ENGL Elective ⁵	3	EDRD 3302 Literacy	3
EDRD 3300 Word Identification	3	EDCI 3301 Public School Teaching	3
EDRD 3303 Teaching Rdg&Lang Arts	3	EDCI 3302 Language Acq&Develop	3
Total	18		18
SENIOR YEAR		SENIOR YEAR	
ENGL Adv ENGL Elective ⁵	3	ENGL 4399 Senior Seminar	3
EDRD 3309 Teaching Rdg in Schools	3	EDRD 4315 Rdg Probs M/H School	3
EDRD 4307 Reading Comprehension	3	EDCI 4993 Student Teaching	9
EDCI 3304 Methods, Mgt&Discipline	3		3
EDDP 4324 Teaching Div Stu Pop	3		3
Total	15		15

TOTAL SEMESTER CREDIT HOURS: 130

¹Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

²Schools and Society, select 3 SCH from SOCI 1306/NURS 1302.

³Survey of Literature, select 3 SCH (in addition to the survey of literature course taken as part of the Core Curriculum) from ENGL 2322, 2323, 2327, 2328, 2332 or 2333.

⁴Language Studies, select from ENGL 4347 or ENGL 4309.

⁵Advanced ENGL electives, select 9 SCH from any 3000-4000 level ENGL course with the exception of ENGL 3301, 3310, 3323, 3324 and 3325.

*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 INTERDISCIPLINARY STUDIES
MAJOR IN ENGLISH LANGUAGE ARTS AND SOCIAL STUDIES
WITH GRADES 4 - 8 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR			
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	MATH 1350 Fundamentals of Math I	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
		Natural Science*	4
		Soc/Behavioral Science*	3
		Activity or Wellness*	<u>1</u>
Total	13		17
SOPHOMORE YEAR			
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
MATH 1351 Fundamentals of Math II	3	PSYC 2312 Developmental Psychology	3
ENGL Survey of Literature*	3	ENGL Survey of Literature ²	3
COMM Communication ¹	3	HIST 2321 World Civ to 1648	<u>3</u>
		Visual/Performing Arts*	<u>3</u>
Total	15		12
JUNIOR YEAR			
ENGL Language Studies ³	3	ENGL 3325 Intermediate Children's Lit	3
ENGL 4301 Shakespeare's Major Plays	3	ENGL 3363 The Reading/Writing Process	3
ENGL Cultural and Rhetorical ⁴	3	ENGL Periods and Forms ⁶	3
		Schools and Society ⁵	3
SOST 4391 Topics in Social Studies	3	ANTH 4351 Intro to Cultural Anthropology	3
EDRD 3309 Teaching Rdg in Schools	<u>3</u>	EDCI 3301 Public School Teaching	3
Total	18	EDCI 3302 Language Acq&Develop	<u>3</u>
SENIOR YEAR			
ENGL Periods and Forms ⁶	3	HIST 2322 World Civ since 1648	3
HIST 3302 History of Texas	3	PSCI 3310 Studies in Comparative Pols	3
PSCI 4320 Political System of USA	3	EDCI 4993 Student Teaching	<u>9</u>
EDCI 3304 Methods, Mgt&Discipline	3		
EDDP 4324 Teaching Div Stu Pop	3		
EDRD 3320 Content Rdg Pub Schools	<u>3</u>		
Total	18		15

TOTAL SEMESTER CREDIT HOURS: 126

¹Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

²Survey of Literature, select from ENGL 2322, 2323, 2327, 2328, 2332 and 2333.

³Language Studies, select from ENGL 3347 or ENGL 4309.

⁴Cultural and Rhetorical Studies, select from ENGL (3310 or 3323 or 3324), 3326, 3339, 3361, 4321, 4322, 4326, 4335, 4338, 4347, 4390.

⁵Schools and Society, select 3 SCH from SOCI 1306/NURS 1302.

⁶English Periods & Forms, select from ENGL 3303, 3316, 3329, 4306, 4323, 4324, 4327, 4328, 4329, 4330, 4331, 4332, 4333, 4334, 4336, 4337, 4355, 4365, 4398.

*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 INTERDISCIPLINARY STUDIES
MAJOR IN MATHEMATICS
WITH GRADES 4 -8 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. To 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 2412 Pre-Calculus	4	COSC 1136 Funds of Prog Lab	1
	4	COSC 1336 Fundamentals of Progr	3
	1	Natural Science*	4
		Activity or Wellness*	<u>3</u>
Total	15	Visual/Performing Arts*	17
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
MATH 1350 Funds of Math I	3	MATH 1351 Funds of Math II	3
MATH 2371 Communication in Math	3	MATH 2330 Elem Geometry	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II	4
SCI Science Elective ¹	<u>4</u>	ENGL Survey of Literature*	<u>3</u>
Total	17		16
JUNIOR YEAR		JUNIOR YEAR	
MATH 2415 Calculus III	4	MATH 3360 Statistical Analysis	3
MATH 3310 Intro to Linear Alg	3	MATH 4310 Abstract Algebra	3
MATH 3365 Discrete Mathematics	3	PSYC 2312 Developmental Psyc	3
	3	EDCI 3301 Public School Teaching	3
	3	EDCI 3302 Language Acq&Develop	<u>3</u>
EDRD 3309 Teaching Rdg in Schools	<u>3</u>		15
Total	16		
SENIOR YEAR		SENIOR YEAR	
EDCI 3304 Methods, Mgt&Discipline	3	EDCI 4993 Student Teaching	9
EDDP 4324 Teaching Div Stu Pop	3	MATH 4390 Math Middle&High Sch	<u>3</u>
EDRD 3320 Content Reading	3		
MATH Advanced Math Elective	3		
	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 123

¹Science, select 4 SCH from any science discipline.

²Schools and Society, select 3 SCH from SOCI 1306/NURS 1302.

*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 INTERDISCIPLINARY STUDIES
MAJOR IN SCIENCE
WITH GRADES 4 - 8 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Cell & Molecular Biology	4	BIOL Biology Elective ¹	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	<u>3</u>	PSCI 2306 American State Govt	3
		HIST 1302 The U.S. Since 1877	<u>3</u>
Total	14		17
SOPHOMORE YEAR		SOPHOMORE YEAR	
ASTR Earth & Space Science ²	4	EPSC 1370 Survey of Earth Science	3
CHEM 2423 Organic Chemistry	4	EPSC 1170 Earth Science Lab	1
PSCI 2305 American National Govt	3	MATH 2412 Pre-Calculus	4
PSYC 2301 Intro to Psychology	3	ENGL Survey of Literature*	3
	<u>3</u>	PSYC 2312 Developmental Psy	<u>3</u>
			<u>3</u>
Total	17		14
JUNIOR YEAR		JUNIOR YEAR	
	4	BIOL 3413 Intro to Genetics	4
	3	BIOL 3410 Ecology	4
PHYS 1370 Survey of Physical Science	3	EDCI 3301 Public School Teaching	3
PHYS 1170 Physical Science Lab	1	EDCI 3302 Language Acq&Develop	3
MATH 1350 Foundations of Math I	3	MATH 1351 Foundations of Math II	<u>3</u>
	<u>1</u>		
			<u>3</u>
Total	15		17
SENIOR YEAR		SENIOR YEAR	
EDRD 3309 Teaching Rdg in Schools	3	EDRD 3320 Content Reading	3
ENGL 2311 Technical Writing	3	EDCI 4993 Student Teaching	<u>2</u>
EDDP 4324 Teaching Div Stu Pop	3		
EDCI 3304 Methods, Mgt&Discipline	3		
	<u>3</u>		
			<u>3</u>
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 121

¹Select 4 SCH from BIOL 1411, 1413 or 2421.

²Earth & Space Science, select 4 SCH from ASTR 1311/1111 or ASTR 1312/1112.

³No more than 2 hours of undergraduate research may be included (BIOL 4173-4473, ENSC 4173-4473, GEOL 4173-4473).

⁴Schools and Society, select 3 SCH from SOCI 1306/NURS 1302.

*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 INTERDISCIPLINARY STUDIES
MAJOR IN SOCIAL STUDIES
WITH GRADES 4 - 8 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See *Appendix A Core Curriculum and Optional Course Information*.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	HIST 1302 The U.S. Since 1877	3
HIST 1301 The U.S. to 1877	3	MATH 1350 Fundamentals of Math I	3
PSYC 2301 Intro to Psychology	3	Visual/Performing Arts*	3
Natural Science*	<u>4</u>	Natural Science*	4
		Activity or Wellness*	<u>1</u>
Total	16		17
SOPHOMORE YEAR		SOPHOMORE YEAR	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
ECO 1301 Survey of Economics	3	ANTH 4351 Intro to Cultrl Anthropology	3
ENGL Survey of Literature*	3	HIST 2322 World Civ since 1648	3
HIST 2321 World Civ to 1648	3	PSYC 2312 Developmental Psychology	3
COMM Communication ¹	<u>3</u>	SCI Science Elective	<u>4</u>
Total	15		16
JUNIOR YEAR		JUNIOR YEAR	
HIST 3302 History of Texas	3	SOST 4391 Topics in Social Studies	3
HIST 3351 World History&Geog Schools and Society ²	3	HIST 3310 Intellectual Hist of U.S.	3
PSCI 3310 Studies Comparative Pols	3	PSCI 3353 Political Geography	3
PSCI 3311 Intro Political Thought	3	MATH 1351 Fundamentals of Math II	3
EDRD 3309 Teaching Rdg in Schools	<u>3</u>	EDCI 3301 Public School Teaching	3
		EDCI 3302 Language Acq&Develop	<u>3</u>
Total	18		18
SENIOR YEAR		SENIOR YEAR	
PSCI Advanced PSCI Elective ³	3	PSCI Advanced PSCI Elective ³	3
PSCI 4335 International Politics	3	Advanced HIST Elective ⁴	3
EDCI 3304 Methods, Mgt&Discipline	3	EDCI 4993 Student Teaching	<u>9</u>
EDDP 4324 Teaching Div Stu Pop	3		
EDRD 3320 Content Rdg Pub Schools	<u>3</u>		
Total	15		15

TOTAL SEMESTER CREDIT HOURS: 130

¹Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

²Schools and Society, select 3 SCH from SOCI 1306/NURS 1302.

³Advanced Political Science elective, select 6 SCH from PSCI 3305, 4314, 4320 or 4326.

⁴Advanced History elective, select 3 SCH from HIST 4316, 4317, 4318, 4366, 4367 or 4368.

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

MINOR IN ANTHROPOLOGY

This curriculum is designed to acquaint students with the five fields of anthropology-archeology, cultural anthropology, linguistic anthropology, physical anthropology, and applied anthropology. Each course is designed to provide an understanding of the holistic, comparative and cross-cultural nature of all anthropological theory and method.

The general objectives of this curriculum are to provide the student with:

- 1 A sense of the wide range and variability of human cultures;
- 2 An understanding of culture as a holistic and integrated system;
- 3 An understanding of the origins and evolutionary development of humans and their cultures;
- 4 An appreciation of how anthropological insights and methodologies can be used to address contemporary human problems;
- 5 A respect for other ways of life and an understanding of ethnocentrism;
- 6 A deeper understanding of the student's own culture as seen in contrast to other cultures.

MINOR CURRICULUM - ANTHROPOLOGY

18 SCH

Required:

ANTH	2346	Introduction to Anthropology
ANTH	2302	Introduction to Archeology
ANTH	3306	Cultural Change, Crisis, and Development
ANTH	4351	Cultural Anthropology

Two courses chosen from:

ANTH	3301	Urban Anthropology
ANTH	3302	Indians of North America
ANTH	3304	Language, Culture and Oral Tradition
ANTH	3308	Latin American Cultures
ANTH	4301	Special Topics in Anthropology
GEOG	3352	Latin American Historical Geography

MINOR IN APPLIED PHYSICS

MINOR CURRICULUM - PHYSICS

20 SCH

Required lower-division courses

PHYS	2325/2125	University Physics I/University Physics I Laboratory*
PHYS	2326/2126	University Physics II/University Physics II Laboratory*

Required upper division courses

PHYS	3305	Optics and Wave Theory
PHYS	3310	Modern Physics
PHYS	3315	Classical Mechanics
PHYS	4399	Special Topics in Physics

*May be used to satisfy the eight SCH of science in the core curriculum.

MINOR IN ART HISTORY

MINOR CURRICULUM - ART HISTORY

21 SCH

Required:

ARTS	1303	Art History Survey: Prehistoric to Renaissance
ARTS	1304	Art History Survey: Renaissance to Modern

One course chosen from:

ARTS	1311	Design I
ARTS	1312	Design II
ARTS	1316	Drawing I
ARTS	1317	Drawing II

Three courses chosen from:

ARTS	3310	Studies in World Art of the Early Modern Era
ARTS	3330	Eighteenth and Nineteenth Century Art
ARTS	3352	Modern Art, 1860-1970
ARTS	3353	Contemporary Art, 1970 to Present

One course chosen from*:

HIST	3320	The World Since 1914
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HIST	3330	History of Latin America
HIST	3342	Nineteenth Century Europe
HIST	3350	U.S. Historical Geography
HIST	3351	World History and Geography
HIST	3370	Women's History (U.S.A.)
HIST	3392	Survey of the Middle East
HIST	3394	History of Africa
HIST	4302	Greek and Roman History
HIST	4316	Colonial America: From the Age of Discovery to 1763
HIST	4320	The Middle Ages
HIST	4330	Renaissance and Reformation
HIST	4340	Early Modern Europe: 1600-1789
HIST	4364	U.S. Southern History
HIST	4368	United States Since 1945
HIST	4390	Seminar in History
HIST	4391	Problems in World History
HIST	4395	Urban Historical Geography
WGST	4302	Senior Seminar in Women's and Gender Studies

*Students may also choose from ARTS 3310, ARTS 3330, ARTS 3352, ARTS 3353, or ARTS 4173-4473 to complete this requirement.

MINOR IN BIOLOGY

MINOR CURRICULUM -BIOLOGY

24 SCH

Required lower division courses:

BIOL	1406	Cell and Molecular Biology*
BIOL	1411	General Botany*
BIOL	1413	General Zoology*

Upper-Division Courses

Three courses (12 SCH) chosen from:

Biology or Environmental Science 3000-4000 level electives, except ENSC 3340

*May be used to satisfy eight SCH of science in the core curriculum.

MINOR IN CHEMISTRY

MINOR CURRICULUM - CHEMISTRY

21 SCH

Required lower division courses:

CHEM	2423	Organic Chemistry I*
CHEM	2425	Organic Chemistry II*

Required upper division courses

Thirteen hours chosen from:

CHEM	3400	Environmental Chemistry
CHEM	3405	Analytical Chemistry I
CHEM	3406	Analytical Chemistry II
CHEM	3431	Physical Chemistry I
CHEM	3432	Physical Chemistry II
CHEM	3451	Biochemistry I
CHEM	3452	Biochemistry II
CHEM	4120	Chemistry Seminar
CHEM	4198	Research in Chemistry
CHEM	4409	Chemical Genetics
CHEM	4411	Inorganic Chemistry

*May be used to satisfy eight SCH of science in the core curriculum.

MINOR IN COMMUNICATION

MINOR CURRICULUM - COMMUNICATION

18 SCH

Required:

COMM	3300	Communication and Meaning
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Five electives from any Communication courses offered except:

COMM	4350	Internship*
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COMM 4360 Communication Theory and Practice**
 *Communication minor students need permission from Internship Coordinator to enroll in this course.
 **To be taken with permission of instructor.

MINOR IN COMPUTER SCIENCE

MINOR CURRICULUM - COMPUTER SCIENCE

20 SCH

Required:

COSC	1136	Fundamentals of Programming Laboratory
COSC	1137	Object-Oriented Programming Laboratory
COSC	1336	Fundamentals of Programming
COSC	1337	Object-Oriented Programming
COSC	3301	Algorithm and Data Structures
COSC	3320	Computer Architecture

Two courses chosen from:

COSC	3310	Algorithm Design and Analysis
COSC	3326	Operating Systems and Networking
COSC	3350	Human-Computer Interaction
COSC	3370	Databases
COSC	3390	Software Development

MINOR IN CREATIVE WRITING

MINOR CURRICULUM - CREATIVE WRITING

18 SCH

Required:

ENGL	2307	Introduction to Creative Writing OR
SPAN	2307	Introduction to Creative Writing

English or Spanish Literature

One course chosen from

ENGL	3303	The American Literary Renaissance
ENGL	3316	Twentieth Century Poetry
ENGL	3329	Studies in American Literature
ENGL	4301	Shakespeare's Major Plays
ENGL	4306	Studies in English Literature
ENGL	4323	Early Twentieth Century American Literature
ENGL	4324	Late Twentieth Century American Literature
ENGL	4325	Studies in the Middle Ages
ENGL	4327	The Sixteenth Century
ENGL	4328	The Seventeenth Century
ENGL	4329	The Restoration and the Eighteenth Century
ENGL	4330	Nineteenth Century Literature: Romanticism
ENGL	4331	Nineteenth Century Literature: The Victorians
ENGL	4332	Early American Literature
ENGL	4333	Late Nineteenth Century American Literature
ENGL	4334	Studies in World Literature
ENGL	4335	Chicano/a Literature
ENGL	4336	British Novel
ENGL	4337	A Survey of the American Novel
ENGL	4338	Minority Voices
ENGL	4365	Film Literature
ENGL	4398	Major Authors
OR		
SPAN	4300	Contemporary Spanish American Society in Literature
SPAN	4301	The Spanish Novel of the Nineteenth Century
SPAN	4302	The Spanish Novel of the Twentieth Century
SPAN	4303	The Spanish American Novel
SPAN	4304	The Generation of 1898
SPAN	4305	Studies in Modern Spanish Literature: Drama and Poetry
SPAN	4307	Studies in Spanish American Literature: Poetry and Short Story
SPAN	4308	Cervantes and Don Quijote

SPAN	4309	Studies in Mexican Literature
SPAN	4314	Studies in Spanish Literature Before 1500
SPAN	4315	Studies in Spanish Literature of the Golden Age
SPAN	4330	Studies in Spanish Literature
SPAN	4340	Studies in Spanish American Literature

Four courses from

ENGL 4322 Creative Writing Workshop*

and/or

SPAN 4398 Creative Writing Workshop*

*Creative Writing Workshop courses may be repeated up to four times, with the proviso that no genre may be repeated more than two times.

MINOR IN CRIMINAL JUSTICE

MINOR CURRICULUM - CRIMINAL JUSTICE

18 SCH

Required:

CRIJ 1301 Introduction to Criminal Justice

SOCI 3336 Criminology

Twelve hours chosen from any CRIJ course at the 3000-4000 level

CRIJ 3000-4000

MINOR IN DANCE

MINOR CURRICULUM - DANCE

23 SCH

Required courses:

DANC 1191 Dance Improvisation

DANC 2192 Music for Dancers

DANC 3393 Dance History

DANC 4182 Concert Choreography

DANCE TECHNIQUE

Eight hours with at least four SCH at the 3000-4000 level chosen from:

Ballet, Jazz, Modern, and Tap 1000-4000 level

DANCE PERFORMANCE

Nine hours with at least six SCH at the 3000 or 4000 level chosen from:

DANC 1349 Ballet Folklorico I

DANC 1350 Ballet Folklorico II

DANC 1351 Performance Dance¹ I

DANC 1352 Performance Dance¹ II

DANC 2349 Ballet Folklorico III

DANC 2350 Ballet Folklorico IV

DANC 2351 Performance Dance¹ III

DANC 2352 Performance Dance¹ IV

DANC 3349 Ballet Folklorico V

DANC 3350 Ballet Folklorico VI

DANC 3351 Dance Performance¹V

DANC 3352 Dance Performance¹ VI

DANC 4349 Ballet Folklorico VII

DANC 4350 Ballet Folklorico VIII

DANC 4351 Dance Performance¹ VII

DANC 4352 Dance Performance¹ VIII

COMM 3202 Video Production²

¹Dance Performance - Modern/Flamenco Troupe

²Students who are interested in dance and film may elect to take COMM 3202 (which must be taken concurrently with COMM 3102) in lieu of one of their 3000-4000 level dance performance courses. Students who select this option are expected to incorporate and/or produce video-based work in the project created for their Concert Choreography course.

MINOR IN ENGLISH

MINOR CURRICULUM - ENGLISH

18 SCH

Survey of Literature¹

One course chosen from:

ENGL	2322	British Literature Through Neoclassicism
ENGL	2323	British Literature from the Romantics to the Present
ENGL	2327	American Literature to the Civil War
ENGL	2328	American Literature from the Civil War to the Present
ENGL	2332	Survey of World Literature to 1650
ENGL	2333	Survey of World Literature since 1650

Shakespeare

ENGL	4301	Shakespeare's Major Plays
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Electives

Four courses chosen from any 3000-4000 level English courses.

¹Three hours are required for the Core Curriculum; an additional three hours are required for the English Minor.

MINOR IN ENVIRONMENTAL SCIENCE

MINOR CURRICULUM - ENVIRONMENTAL SCIENCE

20 SCH

Required lower division courses

EPSC	1303/1103	Introduction to Physical Geology ¹ OR
EPSC	1305/1105	Environmental Geology

Upper division courses

ENSC	3401	Environmental Sciences
BIOL	3410	Ecology ²

Eight hours chosen from:

BIOL	3414	Invertebrate Zoology
ENSC	3310	Environmental/Natural Resources Conservation
ENSC	3340	Environmental Regulations and Policies
ENSC	4310	Environmental Toxicology
ENSC	4420	Environmental Microbiology
ENSC	4430	Limnology
ENSC	4371-4471	Current Topics in Environmental Sciences
ENSC	4170	Senior Seminar
ENSC	4173-4473	Undergraduate Research ³
EPSC	3305	Geohydrology
EPSC	3310	Atmospheric Science
EPSC	3315	Earth Surface Processes

¹May be used to satisfy four SCH of science in the core curriculum.

²Biology majors must take eight SCH of upper division classes excluding Ecology.

MINOR IN FORENSIC SCIENCE

MINOR CURRICULUM - FORENSICS

18 SCH

Lower division required course

ANTH	2302	Introduction to Archeology
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Upper division required courses

FSCI	3401	Principles of Forensic Science
BIOL	3416	Introduction to Biological Statistics
PSYC	3311	Forensic Psychology

Two courses chosen from:

PSYC	3311	Biological Psychology
PSYC	4303	Abnormal Psychology
PSYC	4315	Alcohol, Drugs&Human Behavior
URBS	3301	Urban Anthropology

*Prerequisites for Forensics Minor courses to be taken in the Core: BIOL 1470-Human Biology; CHEM 1170/1370-Survey of Chemistry; PSYC 2301-Introduction to Psychology.

MINOR IN GEOGRAPHY AND URBAN STUDIES

MINOR CURRICULUM – GEOGRAPHY/URBAN STUDIES

18 SCH

Required courses:

GEOG	1301	Physical Geography
GEOG	1303	General World Geography

Three courses chosen from:

GEOG/HIST	3350	U.S. Historical Geography
GEOG/HIST	3352	Latin American Historical Geography
GEOG/PSCI	3353	Political Geography
GEOG/PSCI/URBS	4301	Introduction to Urban Planning
GEOG/HIST/URBS	4395	Urban Historical Geography
PSCI/URBS	4345	Urban Politics
SOCI/URBS	3316	Urban Sociology

One course chosen from:

ANTH	3306	Cultural Change, Crisis, and Development
ANTH	4351	Cultural Anthropology
GEOG/HIST	3351	World History and Geography
CRIJ	3320	Organized Crime

Note: Courses taken for this minor may not also count for course requirements in the major.

MINOR IN GEOLOGY

MINOR CURRICULUM - GEOLOGY

21 SCH

Two courses chosen from:

EPSC	1370/1170	Survey of Earth Science ¹
GEOL	1303/1103	Physical Geology
GEOL	1305/1105	Environmental Geology

Upper division courses:

GEOL	4170	Geology Seminar
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Twelve hours chosen from:

GEOL	3401	Earth Materials: Minerals & Rocks
GEOL	3405	Geohydrology
GEOL	3415	Sedimentology and Stratigraphy
GEOL	3425	Paleontology and Earth History
GEOL	4173-4473	Undergraduate Research in the Geosciences
GEOL	4199-4499	Special Topics in the Geosciences

¹May not be used to satisfy university science core curriculum for earth science majors.

²GEOL 4173-4473 (variable hours) may be repeated, for a total not to exceed 4 SCH.

MINOR IN GERONTOLOGY

This curriculum is designed to provide students with the understanding of the issues affecting the elderly so that they will be equipped to work with older people in our society. The components of this minor curriculum include social, political, and psychological aspects of aging.

The general objectives of this program are to provide the student with:

- 1 An understanding of the changes in social relationships as individuals age;
- 2 An understanding of the psychological effects of aging;
- 3 An understanding of the political issues that affect the elderly, and the ways in which elderly individuals can affect public policy; and
- 4 An appreciation for the needs and concerns of the elderly.

MINOR CURRICULUM - GERONTOLOGY

18 SCH

Four courses chosen from:

PSYC	3307	Developmental Psychology
PSYC	3315	Psychology of Aging
SOCI	3325	Sociology of Death and Dying
SOCI	4365	Social Gerontology
SOCW	3306	Human Behavior and the Social Environment

Two courses chosen from:

NURS	1302/3302	Cultural Determinants of Health Behavior
NURS	2310	Nutrition
PSCI	3323	Political Issues in Aging
PSYC	4314	Health Psychology
PSYC	4321	Undergraduate Psychology Practicum
SOCI	3325	Sociology of Death and Dying
SOCI	4370	Medical Sociology
SOCI	4316	Social Service Internship
SOCW	4307	Special Topics in Social Work

MINOR IN HISTORY**MINOR CURRICULUM - HISTORY****18 SCH****Required course:**

HIST	3303	Historical Methods
HIST	4310	Intellectual History of the United States

Four courses chosen from the following groups, with no more than two courses from the same group:

Group I: Non-U.S. History:

HIST	3301	Mexico
HIST	3320	The World Since 1914
HIST	3330	History of Latin America
HIST	3392	Survey of the Middle East
HIST	3393	History of Asia
HIST	3394	History of Africa
HIST	4302	Greek and Roman History
HIST	4320	The Middle Ages
HIST	4330	Renaissance and Reformation
HIST	4340	Early Modern Europe: 1600-1789
HIST	4341	Nineteenth Century Europe
HIST	4342	Modern Europe: 1914-1990
HIST	4391	Problems in World History

Group II: Chronological U. S. History:

HIST	4316	Colonial America: From the Age of Discovery to 1763
HIST	4317	American Revolution/Early National Era 1763-1815
HIST	4318	The Age of Jackson to the Civil War, 1815-1865
HIST	4366	Building Modern America, 1865-1914
HIST	4367	United States' Rise to World Power in the Twentieth Century
HIST	4368	United States Since 1945

Group III: Thematic U.S. History:

HIST	3370	Women's History (U.S.A.)
HIST	3380	United States Diplomatic History
HIST	3385	History of the Mexican American in the Southwest
HIST	4364	U.S. Southern History
HIST	4390	Seminar in History

MINOR IN LATIN AMERICAN STUDIES

The minor in Latin American Studies complements many majors by developing a foundation in language skills and regional competence to enhance career opportunities in business, government or public service related to Latin America.

MINOR CURRICULUM - LATIN AMERICAN STUDIES**18 SCH****Required courses:**

ECO	3325	Latin Amer Eco Issues (Prereq: ECO 2301 or consent of instructor)
GEOG/HIST	3352	Latin American Historical Geography
PSCI	3308	Latin American Political Systems
ANTH/SOCI	3308	Latin American Cultures

Two courses chosen from:

Language courses in one Latin American Language, chosen from the following		
SPAN	1311	Introductory Spanish for Non-Native Speakers I

SPAN	1312	Introductory Spanish for Non-Native Speakers II
SPAN	2313	Spanish for Spanish Speakers I
SPAN	2315	Spanish for Spanish Speakers II
SPAN	4350	Introduction to Spanish-English Translation
SPAN	4351	Introduction to English-Spanish Translation
PORT	1311	Beginning Portuguese I
PORT	1312	Beginning Portuguese II
FREN	1311	Elementary French I
FREN	1312	Elementary French I

MINOR IN MATHEMATICS

MINOR CURRICULUM-MATHEMATICS

24 SCH

Required lower-division courses

MATH	2413	Calculus I*
MATH	2414	Calculus II
MATH	2415	Calculus III

Upper division courses

Four courses chosen from:

MATH	3310	Introduction to Linear Algebra
MATH	3330	Ordinary Differential Equations
MATH	3360	Statistical Analysis
MATH	3365	Discrete Mathematics
MATH	4305	Number Theory
MATH	4310	Abstract Algebra
MATH	4330	Numerical Linear Algebra
MATH	4335	Advanced Calculus
MATH	4340	Numerical Analysis
MATH	4345	Complex Variables
MATH	4355	Selected Topics in Mathematics
MATH	4360	General Topology
MATH	4395	Senior Mathematics Project

May be used to satisfy mathematics in core curriculum; in which case the minor is 20 SCH.

MINOR IN MILITARY SCIENCE

MINOR CURRICULUM - MILITARY SCIENCE

19 SCH

Required courses:

MS	3303	Advanced Military Science
MS	3304	Advanced Military Science
MS	3405	Internship in Military Science
MS	4303	Advanced Military Science
MS	4304	Advanced Military Science
HIST	1310	Military History of the United States

MINOR IN MUSIC

MINOR CURRICULUM - MUSIC*

24 SCH

Required courses:

MUSI	1211	Music Theory I
MUSI	1212	Music Theory II
MUSI	1216	Aural Training I
MUSI	1217	Aural Training II
MUSI	1181	Piano Class I
MUSI	1182	Piano Class II

Seven hours Applied Music in Principal Area

The first semester of applied music must be at the 1000-level. At least six hours must be at the 3000-level.

Performance Music Ensemble

Seven hours Performance Music Ensemble and/or Opera Workshop

The first semester of music ensemble and/or Opera Workshop must be at the 1000-level. At least six hours must be at the 3000-level.

*Music minors must fulfill their ARTS core requirement with one of the following: MUSI 1306 or MUSI 1307.

MINOR IN POLITICAL SCIENCE

MINOR CURRICULUM - POLITICAL SCIENCE

18 SCH

Required:

PSCI	3310	Studies in Comparative Politics
PSCI	3313	Classical and Medieval Political Philosophy
PSCI	4320	The Political System of the United States of America
PSCI	4335	International Politics

Two courses chosen from:

Any 3000 or 4000- level PSCI electives.

MINOR IN PSYCHOLOGY

MINOR CURRICULUM - PSYCHOLOGY

18 SCH

Required:

PSYC	2314	Lifespan Growth and Development
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Two courses chosen from:

PSYC	3301	Social Psychology
PSYC	3304	Learning & Memory
PSYC	4307	The Psychology of Bilingualism
PSYC	4325	Cognitive Psychology

Three courses chosen from:

Any 3000 or 4000- level PSYC course not previously taken.

MINOR IN SOCIOLOGY

Sociology is the study of social life and the social causes and consequences of human behavior. A minor in Sociology complements many career paths by developing student's understanding of the nature of society and social relationships as these affect them in their personal and professional lives.

The general objectives of this minor are to provide students with:

1. An understanding of the causes and consequences of social inequality including those of race, gender, sexuality, and social class;
2. An understanding of the forces of social change and social stability; and
3. An array of job skills applicable to a wide variety of labor positions (for example, but not limited to, the ability to think critically about social or societal issues, to analyze reading materials and to write effectively).

MINOR CURRICULUM - SOCIOLOGY

18 SCH

Required courses:

SOCI	1301	Introduction to Sociology*
SOCI	1306	Contemporary Social Problems and Social Policy*
SOCI	3304	Sociological Theory

One courses chosen from:

Any 3000-level Sociology Course

Two courses chosen from:

Any 4000-level Sociology Course

*Students should substitute a 3000-level course if they have taken SOCI 1301 or SOCI 1306 as part of the core required courses.

MINOR IN SPANISH

MINOR CURRICULUM - SPANISH

21 SCH

Required courses:

SPAN	3300	Spanish Grammar and Composition
SPAN	3305	Advanced Spanish Composition
SPAN	3310	Introduction to Literature in Spanish

Nine hours chosen from:

SPAN	3000-4000	Advanced Spanish
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MINOR IN SPANISH-ENGLISH LINGUISTICS

MINOR CURRICULUM - SPANISH-ENGLISH LINGUISTICS

18 SCH

Required:

ENGL	3347	General Linguistics
ENGL	4347	Contrastive Linguistics
SPAN	3317	Spanish Linguistics

Three hours chosen from:

ENGL	3339	History of the English Language
SPAN	4312	History of the Spanish Language

Six hours chosen from:

ANTH	3304	Language, Culture and Oral Tradition
ENGL	3339	History of the English Language
ENGL	4309	Advanced English Grammar
ENGL	4321	American Dialects
PSYC	4305	Psychology of Language
PSYC	4307	The Psychology of Bilingualism
SPAN	4312	History of the Spanish Language
SPAN	4350	Introduction to Spanish-English Translation
SPAN	4351	Introduction to English-Spanish Translation

MINOR IN STUDIO ART

MINOR CURRICULUM - STUDIO ART

21 SCH

Required courses:

ARTS	1311	Design I
ARTS	1316	Drawing I

One course chosen from:

ARTS	2316	Painting I
ARTS	2323	Life Drawing
ARTS	2326	Sculpture I
ARTS	2333	Printmaking I
ARTS	2346	Ceramics I
ARTS	2356	Photography I

Four courses chosen from:

ARTS	3308	Intermediate Painting
ARTS	3309	Intermediate Sculpture
ARTS	3323	Intermediate Life Drawing
ARTS	3324	Intermediate Ceramics
ARTS	3333	Intermediate Printmaking
ARTS	3335	Introduction to Computers and Arts
ARTS	3365	Intermediate Photography
ARTS	4173-4473	Undergraduate Research ¹
ARTS	4301	Advanced Drawing ¹
ARTS	4303	Advanced Painting ¹
ARTS	4304	Advanced Sculpture
ARTS	4324	Advanced Ceramics
ARTS	4332	Critique and Seminar
ARTS	4333	Practicum Seminar in the Arts
ARTS	4334	Seminar: Special Topics in the Visual Arts
ARTS	4361	Illustration/Electronic Imaging
ARTS	4365	Advanced Photography

NOTE: Studio Minors take ARTS 1301/1304 for Visual and Performing Arts in core.

¹With consent of Instructor.

MINOR IN THEATER ARTS

MINOR CURRICULUM - THEATER ARTS

21 SCH

Required courses:

THAR	1301	Stage Production
THAR	1310	Performance

THAR 2340 Play Analysis

Three hours chosen from:

THAR 3320 History of Theater I

THAR 3301 History of Theater II

Nine hours chosen from:

THAR 2354 Characterization

THAR 4313 Special Problems in Theater

THAR 4332 Theater in Education

THAR 4364 Directing

MINOR IN TRANSLATION OF ENGLISH AND SPANISH

MINOR CURRICULUM - TRANSLATION OF ENGLISH AND SPANISH

18 SCH

Required:

TRAN 4350 Introduction to Spanish-English Translation

TRAN 4351 Introduction to English-Spanish Translation

TRAN 4360 Intermediate Spanish-English Translation

TRAN 4361 Intermediate English Spanish Translation

SPAN 3 SCH from any 3000-4000 Spanish not previously taken

ENGL 3 SCH from any 3000-4000 English not previously taken

MINOR IN WILDLIFE MANAGEMENT

MINOR CURRICULUM - WILDLIFE MANAGEMENT

22-23 SCH

Required courses:

BIOL 2403 Organismal Biology*

BIOL 2430 Principles of Wildlife Management

BIOL 3385 Wildlife Policy

BIOL 3410 Ecology

BIOL 3415 Wildlife Management Techniques

One course chosen from:

BIOL 3407 Animal Behavior

BIOL 3413 Introduction to Genetics

BIOL 4401 Biometry

BIOL 4402 Mammalogy

BIOL 4404 Herpetology

BIOL 4408 Entomology

BIOL 4430 Limnology

ENSC 4310 Environmental Toxicology

*Students taking a minor in Wildlife Management must choose BIOL 1411 and BIOL 1413 as part of the Core Curriculum requirement.

MINOR IN WRITING AND RHETORIC

MINOR CURRICULUM - WRITING RHETORIC

18 SCH

Required:

ENGL 4395 Current Trends in Rhetoric and Composition Theory

THREE courses chosen from:

ENGL 2311 Technical Writing

ENGL 3300 Advanced Composition

ENGL 3301 Writing Across the Disciplines

ENGL 3302 Nonfiction Prose Writing

ENGL 3361 Rhetorical Theory and the Teaching of Composition

Two courses chosen from the following, within focus areas only:

Creative Writing Focus:

ENGL 2307 Introduction to Creative Writing

ENGL 4322 Creative Writing*

Communication Focus:

COMM 3326 Journalistic Writing

COMM 3327 Media Writing

COMM 3328 Advanced Journalistic Writing

COMM	4330	Special Issue in Communication**
Writing Pedagogy Focus:		
ENGL	4370	South Texas Writing Project Summer Institute Teaching Writing***
ENGL	4371	South Texas Writing Project Summer Institute Writing and Research***

*Prerequisite enforced.

**This course may apply ONLY if the special issue is writing related.

***With consent of the Site Director, South Texas Writing Project.

CERTIFICATE PROGRAM IN WRITING

Choose five courses from the following:

ENGL	2307	Introduction to Creative Writing
ENGL	2311	Technical Writing
ENGL	3300	Advanced Composition
ENGL	3301	Writing Across the Disciplines
ENGL	3302	Non-Fiction Prose
ENGL	3361	Rhetorical Theory and the Teaching of Composition
ENGL	3363	The Reading/Writing Process
ENGL	4309	Advanced English Grammar
ENGL	4322	Creative Writing

A. R. SANCHEZ, JR. SCHOOL OF BUSINESS UNDERGRADUATE DEGREES

UNDERGRADUATE DEGREES

Bachelor of Business Administration with a major in Accounting (BBA-ACC)

Bachelor of Business Administration with a major in Management Information Systems (BBA-MIS)

Bachelor of Business Administration with a concentration in:

Business Administration (BBA-BA)

International Economics (BBA-ECO)

Finance (BBA-FIN)

Management (BBA-MGT)

Marketing (BBA-MKT)

MINORS (*For students outside the A. R. Sanchez, Jr. School of Business*)

Minor in Business Administration

Minor in Management Information Systems

Minor in Economics

Minor in Management

Minor in Marketing

A. R. SANCHEZ, JR. SCHOOL OF BUSINESS (ARSSB)

The mission of the A. R. Sanchez, Jr. School of Business is to provide high-quality professional and internationalized education to undergraduate, masters-level, and doctoral students.

To accomplish this mission, we:

- Deliver quality education to students - increasing their analytical reasoning, ethics, communication, and leadership skills
- Support faculty research, teaching and service
- Encourage a culture of continuous improvement

We serve the Texas Border region, the state of Texas, national, and international communities.

OBJECTIVES

The primary objectives of the A. R. Sanchez, Jr. School of Business are directed toward the parameters of education for the administration of business organizations. To this end, curriculum development is a continuous activity in response to social, economic and technological developments reflected in the evolving knowledge in the behavioral and quantitative sciences.

The purpose of the curriculum is to provide a broad education that will prepare the student for creative and responsible leadership in business and society as a whole. The A. R. Sanchez, Jr. School of Business has an active Beta Gamma Sigma Chapter. The purpose of Beta Gamma Sigma is to encourage and recognize scholarship and achievement among students of business, management, and administration, and to encourage and promote personal and professional improvement and a life distinguished by honorable service to humankind. Students may also wish to become active in Students for Free Enterprise (SIFE), a national organization which provides students opportunities to work with academic professionals and industry leaders on projects which will benefit their community.

GENERAL REQUIREMENTS FOR UNDERGRADUATE DEGREES:

See Academic Regulations - Undergraduate for TAMU 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 communication are important components of each course. A minimum of 50% of both the business SCH and the major/concentration SCH must be taken at TAMU.
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 pre-designated 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 semester credit hours (SCH) for an undergraduate student are:

Regular semester	18 SCH
Each summer session	7 SCH

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

CORE CURRICULUM (Freshman & Sophomore)			42 SCH
ECO	2301	Principles of Macroeconomics	3
ENGL	1301	English Composition I	3
ENGL	1302	English Composition II	3
HIST	1301	The U.S. to 1877	3
HIST	1302	The U.S. Since 1877	3
MATH	1324	Business Mathematics I	3
PSCI	2305	American National Government	3
PSCI	2306	American State Government	3
COMM	1311	Fundamentals of Speech	3
		Any Activity or Wellness Course	1
		Science ¹	8
		Sophomore English Literature	3
		Visual and Performing Arts	3

MATHEMATICS				3 SCH
MATH	1325	Business Mathematics II	3	
MICROECONOMICS				3 SCH
ECO	2302	Principles of Microeconomics	3	
GENERAL ELECTIVES				6 SCH
Select any six hours from:				
ANTH/COMM/GEOG/HIST/PHIL/PSCI/PSYC/SOCI/MATH/SPCH/ANY SCIENCE			6	
COMMUNICATIONS				3 SCH
BA	3301	Professional Written Communications	3	
BUSINESS FOUNDATION (Freshman & Sophomore)				9 SCH
ACC	2301	Introduction to Financial Accounting	3	
ACC	2302	Introduction to Managerial Accounting	3	
DS	2310	Business Statistics I	3	
COMMON BODY OF KNOWLEDGE				24 SCH
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&Organizational Behavior	3	
MIS	3310	Management Information Systems	3	
MKT	3310	Principles of Marketing	3	
POM	3310	Production and Operations Management	3	
MAJOR CURRICULUM AND BUSINESS ELECTIVES				30 SCH
TOTAL				120 SCH

¹Eight hours of science including two laboratories selected from ASTR/BIOL/CHEM/ENSC/EPSC/PHYS.

MINOR IN BUSINESS ADMINISTRATION

(For students with majors outside the A. R. Sanchez, Jr. School of Business)

MINOR CURRICULUM - BUSINESS ADMINISTRATION				18 SCH
ACC	2301	Introduction to Financial Accounting		
ACC	2302	Introduction to Managerial Accounting		
BA	3310	Legal Environment of Business		
FIN	3310	Introduction to Finance		
MGT	3310	Principles of Management&Organizational Behavior		
MKT	3310	Principles of Marketing		

Notes:

1. ECO 2301 and ECO 2302 are prerequisites for FIN 3310 and will have to be taken as either electives or to satisfy the Social Science requirement of the Core Curriculum.
2. It is recommended that students in this minor take a course in Statistics.

MINOR IN MANAGEMENT INFORMATION SYSTEMS (MIS)

(For students with majors outside the A. R. Sanchez, Jr. School of Business)

MINOR CURRICULUM - MANAGEMENT INFORMATION SYSTEMS				18 SCH
MIS	2350	Introduction to Programming		
MIS	3310	Management Information Systems		
Four courses chosen from:				
MIS	3320	Information Systems Analysis		
MIS	3330	Database Design & Implementation		
MIS	3340	Data Communication and Networking		
MIS	3350	Advanced Programming Concepts		
MIS	3399	Topics in Information Systems		
MIS	4399	Issues in Information Systems		

or any approved elective.

MINOR IN ECONOMICS

(For students with majors outside the A. R. Sanchez, Jr. School of Business)

MINOR CURRICULUM - ECONOMICS

18 SCH

Required courses:

ECO 2301 Principles of Macroeconomics

ECO 2302 Principles of Microeconomics

Four courses chosen from:

ECO 3310 Money and Banking

ECO 3320 Managerial Economics

ECO 3325 Latin American Economic Issues

ECO 4310 Intermediate Macroeconomics

ECO 4350 Economic Development

ECO 4360 Public Finance

ECO 4370 Regional Economic Integration

ECO 4399 Issues in Economics

MINOR IN MANAGEMENT

(For students with majors outside the A. R. Sanchez, Jr. School of Business)

MINOR CURRICULUM - MANAGEMENT

18 SCH

Required course:

MGT 3310 Principles of Management&Organizational Behavior

Fifteen semester hours chosen from:

MGT 3340 Business Ethics

MGT 3370 Human Resources Management

MGT 4330 Industrial Relations

MGT 4350 Business, Government, and Society

MGT 4351 Comparative Management Systems

MGT 4360 Entrepreneurship and Management of Innovation

MGT 4380 Organizational Theory

MGT 4199-4399 Issues in Management

MINOR IN MARKETING

(For students with majors outside the A. R. Sanchez, Jr. School of Business)

MINOR CURRICULUM - MARKETING

18 SCH

Required courses:

MKT 3310 Principles of Marketing

MKT 3320 Buyer Behavior

MKT 4310 International Marketing

MKT 4330 Marketing Management

Six semester hours chosen from:

MKT 3325 Marketing Channels

MKT 3330 Advertising and Promotion Management

MKT 3351 Personal Selling

MKT 4320 Marketing Research

MKT 4390 Marketing Problems and Policies

MKT 4199-4399 Issues in Marketing

EDUCATIONAL OBJECTIVES

BBA WITH A 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 courses 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:

- 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 of this evolving field for responding to social and economic developments in order to become creative and responsible leaders in business and society.

PROGRAMS OF STUDY BACHELOR OF BUSINESS ADMINISTRATION

Degree Requirements for the BBA with a major in Accounting

1. **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.
2. **University Core Curriculum: 42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
3. **MATH Elective: 3** SCH designated as MATH 1325.
4. **Microeconomics Elective: 3** SCH designated as ECO 2302.
5. **General Electives: 6** SCH selected from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/any SCIENCE.
6. **Communication: 3** SCH designated as BA 3301.
7. **Business Foundation: 9** SCH including ACC 2301, 2302 and DS 2310.
8. **Common Body of Knowledge: 24** SCH including BA 3310, 3320, MIS 3310, ECO 3320, FIN 3310, MGT 3310, MKT 3310, and POM 3310.
9. **Major: 27** SCH including: ACC 3310, 3320, 3330, 3340, 3350, 3370, 4370 and 6 SCH of 3000-4000 level ACC electives.
10. **Business Elective: 3** SCH of any 3000-4000 level course offered by the A. R. Sanchez, Jr. of Business not used above.

Degree Requirements for the BBA with a Concentration in Business Administration

1. **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.
2. **University Core Curriculum: 42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
3. **MATH: 3** SCH designated as Math 1325.
4. **Microeconomics Elective: 3** SCH designated as ECO 2302.

5. **General Electives:** 6 SCH selected from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/any SCIENCE.
6. **Communication:** 3 SCH designated as BA 3301.
7. **Business Foundation:** 9 SCH including ACC 2301, 2302 and DS 2310.
8. **Common Body of Knowledge:** 24 SCH including BA 3310, 3320, MIS 3310, ECO 3320, FIN 3310, MGT 3310, MKT 3310, and POM 3310.
9. **Concentration:** 30 SCH including: 6 SCH of any advanced Accounting; BA 4390, which must be taken during the final semester prior to graduation; 3 SCH of any advanced Economics; 6 SCH of any advanced Finance; 6 SCH of any advanced Management or Production Operations Management; 6 SCH of any advanced Marketing or Transportation and Logistics.

Degree Requirements for the BBA with a Concentration in Finance

1. **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.
2. **University Core Curriculum:** 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **MATH:** 3 SCH designated as Math 1325.
4. **Microeconomics Elective:** 3 SCH designated as ECO 2302.
5. **General Electives:** 6 SCH selected from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/any SCIENCE.
6. **Communication:** 3 SCH designated as BA 3301.
7. **Business Foundation:** 9 SCH including ACC 2301, 2302 and DS 2310.
8. **Common Body of Knowledge:** 24 SCH including BA 3310, 3320, MIS 3310, ECO 3320, FIN 3310, MGT 3310, MKT 3310, and POM 3310.
9. **Concentration:** 27 SCH including required courses of BA 4390*, FIN 3320, 3330, 3360, 4380 and 4390; 6 SCH selected from FIN 3311, 3331, 3355 and 4370; and 3 SCH selected from ACC 3310, 3320, 3340, 4399, BA 4398, MIS 3320 or ECO 3310. *BA 4390 must be taken during the final semester prior to graduation.
10. **Business Electives:** 3 SCH of any 3000-4000 level course offered by the College of Business not previously used.

Degree Requirements for the BBA with a Concentration in International Economics

1. **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.
2. **University Core Curriculum:** 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **MATH:** 3 SCH designated as Math 1325.
4. **Microeconomics Elective:** 3 SCH designated as ECO 2302.
5. **General Electives:** 6 SCH selected from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/any SCIENCE.
6. **Communication:** 3 SCH designated as BA 3301.
7. **Business Foundation:** 9 SCH including ACC 2301, 2302 and DS 2310.
8. **Common Body of Knowledge:** 24 SCH including BA 3310, 3320, MIS 3310, ECO 3320, FIN 3310, MGT 3310, MKT 3310, and POM 3310.
9. **Concentration:** 27 SCH including required courses of BA 4390*, ECO 4310, 4340, 4370, 4390 and FIN 4380 and 9 SCH selected from BA 4398, ECO 3310, 3325, 4350, 4360, 4199-4399, FIN 3320, 3330, PSCI 3340, 4335 or SOCI 3371. *BA 4390 must be taken during the final semester prior to graduation.
10. **Business Elective:** 3 SCH of any 3000-4000 level course offered by the A. R> Sanchez, Jr. of Business not used above.

Degree Requirements for the BBA with a Concentration in Management

1. **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.
2. **University Core Curriculum:** 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **MATH:** 3 SCH designated as Math 1325.
4. **Microeconomics Elective:** 3 SCH designated as ECO 2302.
5. **General Electives:** 6 SCH selected from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/any SCIENCE.
6. **Communication:** 3 SCH designated as BA 3301.
7. **Business Foundation:** 9 SCH including ACC 2301, 2302 and DS 2310.
8. **Common Body of Knowledge:** 24 SCH including BA 3310, 3320, MIS 3310, ECO 3320, FIN 3310, MGT 3310, MKT 3310, and POM 3310.

9. Concentration: 24 SCH including: BA 4390*, MGT 3320, 3340, 3370, 4330, 4350, 4360, and 4380. *BA 4390 must be taken during final semester prior to graduation.

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

Degree Requirements for the BBA with a major in Management Information Systems

1. 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH: 3 SCH designated as Math 1325.

4. Microeconomics Elective: 3 SCH designated as ECO 2302.

5. General Electives: 6 SCH selected from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/any SCIENCE.

6. Communication: 3 SCH designated as BA 3301.

7. Business Foundation: 9 SCH including ACC 2301, 2302 and DS 2310.

8. Common Body of Knowledge: 24 SCH including BA 3310, 3320, MIS 3310, ECO 3320, FIN 3310, MGT 3310, MKT 3310, and POM 3310.

9. Major: 24 SCH including: MIS 2350, 3320, 3330, 3340, 3350, 4310, 4390 and any advanced MIS elective.

10. Business Elective: 6 SCH of any 3000-4000 level course offered by the A. R. Sanchez, Jr. School of Business not used above.

Degree Requirements for the BBA with a Concentration in Marketing

1. 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.

2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.

3. MATH: 3 SCH designated as Math 1325.

4. Microeconomics Elective: 3 SCH designated as ECO 2302.

5. General Electives: 6 SCH selected from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/any SCIENCE.

6. Communication: 3 SCH designated as BA 3301.

7. Business Foundation: 9 SCH including ACC 2301, 2302 and DS 2310.

8. Common Body of Knowledge: 24 SCH including BA 3310, 3320, MIS 3310, ECO 3320, FIN 3310, MGT 3310, MKT 3310, and POM 3310.

9. Concentration: 21 SCH including: MKT 3320, 3330, 4310, 4320, 4330, 4390* and TIL 3340.

*MKT 4390 must be taken during final semester prior to graduation.

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

**BACHELOR OF BUSINESS ADMINISTRATION
MAJOR IN ACCOUNTING**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1324 Business Math I	3	MATH 1325 Business Math II	3
	3	COMM1311 Funds of Communications	3
	4	Natural Science*	<u>4</u>
	<u>1</u>		
Total	17		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	ECO 2302 Prins of Microeconomics	3
ECO 2301 Prins of Macroeconomics	3	ACC 2302 Intro Managerial Acc	3
ACC 2301 Intro to Financial Acc	3	General Elective ¹	3
DS 2310 Business Statistics I	3	PSCI 2306 American State Govt	3
PSCI 2305 American National Govt	<u>3</u>	MIS 3310 Management Info Sys	<u>3</u>
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
ACC 3310 Intermediate Acc I	3	ACC 3320 Intermediate Acc II	3
ACC 3370 Intro to ACC Systems	3	ACC 3340 Adv Managerial Acc	3
MGT 3310 Prins of Mgt&Org Beh	3	BA 3310 Legal Environ of Business	3
BA 3301 Prof Written Comm	3	MKT 3310 Principles of Marketing	3
FIN 3310 Introduction to Finance	<u>3</u>	General Elective ¹	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
ACC 3330 Intermediate Acc III	3	ACC 4370 Auditing and Systems	3
ACC 3350 Intro to Taxation	3	ACC Adv Accounting Elective ²	3
BA 3320 International Business	3	ACC Adv Accounting Elective ²	3
ECO 3320 Managerial Economics	3	POM 3310 Prod Operations Mgmt	<u>3</u>
	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Select from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/SCIENCE.

²Select 6 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.*

**BACHELOR OF BUSINESS ADMINISTRATION
CONCENTRATION IN BUSINESS ADMINISTRATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1324 Business Math I	3	MATH 1325 Business Math II	3
	3	COMM1311 Funds of Communications	3
	4	Natural Science*	<u>4</u>
	<u>1</u>		
Total	17		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	ECO 2302 Prins of Microeconomics	3
ECO 2301 Prins of Macroeconomics	3	ACC 2302 Intro Managerial Acc	3
ACC 2301 Intro to Financial Acc	3	General Elective ¹	3
DS 2310 Business Statistics I	3	PSCI 2306 American State Govt	3
PSCI 2305 American National Govt	<u>3</u>	MIS 3310 Management Info Sys	<u>3</u>
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
BA 3301 Prof Written Comm	3	BA 3310 Legal Environ of Business	3
FIN 3310 Introduction to Finance	3	ACC Advanced Elective	3
MGT 3310 Prins of Mgt&Org Beh	3	MKT 3310 Principles of Marketing	3
ECO 3320 Managerial Economics	3	FIN Advanced Elective	3
BA 3320 International Business	<u>3</u>	POM 3310 Prod Operations Mgmt	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
FIN Advanced Elective	3	MGT/POM Advanced Elective	3
MKT/TIL Advanced Elective	3	ECO Advanced Elective	3
ACC Advanced Elective	3	MKT/TIL Advanced Elective	3
MGT/POM Advanced Elective	<u>3</u>	BA 4390 Business Strategy	3
Total	12	General Elective ¹	<u>3</u>

TOTAL SEMESTER CREDIT HOURS: 120

¹Select from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/SCIENCE.

*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
MAJOR IN MANAGEMENT INFORMATION SYSTEMS**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL		HOURS	SPRING		HOURS	
FRESHMAN YEAR						
ENGL	1301	English Composition I	3	ENGL 1302	English Composition II	3
HIST	1301	The U.S. to 1877	3	HIST 1302	The U.S. Since 1877	3
MATH	1324	Business Math I	3	MATH 1325	Business Math II	3
		Visual/Performing Arts*	3		General Elective ¹	3
		Natural Science*	4		Natural Science*	<u>4</u>
		Activity or Wellness*	<u>1</u>			
Total			17			16
 SOPHOMORE YEAR						
ECO	2301	Prins of Macroeconomics	3	ECO 2302	Prins of Microeconomics	3
ACC	2301	Intro to Financial Acc	3	ACC 2302	Intro Managerial Acc	3
DS	2310	Business Statistics I	3	PSCI 2306	American State Govt	3
PSCI	2305	American National Govt	3	COMM1311	Funds of Communications	3
MIS	2350	Intro to Programming	<u>3</u>	ENGL	Survey of Literature*	3
				MIS 3310	Management Info Syst	<u>3</u>
Total			15			18
 JUNIOR YEAR						
BA	3301	Prof Written Comm	3	BA 3310	Legal Environ of Business	3
MIS	3320	Analysis & Design	3	MIS 3330	Database Des&Impl	3
MIS	3340	Data Comm&Networking	3	MIS 3350	Adv Programng Concepts	3
BA	3320	International Business	<u>3</u>	ECO 3320	Managerial Economics	3
				MIS	Advanced MIS Elective	<u>3</u>
Total			12			15
 SENIOR YEAR						
FIN	3310	Introduction to Finance	3	MKT 3310	Principles of Marketing	3
MGT	3310	Prins of Mgt&Org Behavior	3	POM 3310	Prod Operations Mgmt	3
		General Elective ¹	3	MIS 4390	Info Resource Mgmt	3
MIS	4310	Info System Des&Impl	3		Adv Business Elective	<u>3</u>
		Adv Business Elective	<u>3</u>			
Total			15			12

TOTAL SEMESTER CREDIT HOURS: 120

¹Select from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/SCIENCE.

*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 FINANCE**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1324 Business Math I	3	MATH 1325 Business Math II	3
	3	COMM1311 Funds of Communications	3
	4	Natural Science*	<u>4</u>
	<u>1</u>		
Total	17		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	ECO 2302 Prins of Microeconomics	3
ECO 2301 Prins of Macroeconomics	3	ACC 2302 Intro Managerial Acc	3
ACC 2301 Intro to Financial Acc	3	PSCI 2306 American State Govt	3
DS 2310 Business Statistics I	3	General Elective ¹	3
PSCI 2305 American National Govt	<u>3</u>	General Elective ¹	<u>3</u>
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
BA 3301 Prof Written Comm	3	BA 3310 Legal Environ of Business	3
FIN 3310 Introduction to Finance	3	FIN 3320 Financial Inst&Markets	3
MIS 3310 Management Info Systems	3	MKT 3310 Principles of Marketing	3
MGT 3310 Prins of Mgt&Org Beh	3	ECO 3320 Managerial Economics	3
BA 3320 International Business	<u>3</u>	FIN 3360 Managerial Finance	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
FIN 3330 Investments	3	FIN 4390 Strategic Fin Management	3
FIN 4380 International Finance	3	BA 4390 Business Strategy	3
FIN Restricted Elective ²	3	Advanced Business Elec	3
FIN Restricted Elective ²	3	FIN Restricted Elective ²	<u>3</u>
POM 3310 Prod Operations Mgmt	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT: 120

¹Select from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/SCIENCE.

²Select 6 SCH from FIN 3311, FIN 3331, FIN 3355, FIN 4370; and 3 SCH selected from ACC 3310, ACC 3320, ACC 3340, ACC 4399, BA 4398, MIS 3320, or ECO 3310.

*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 INTERNATIONAL ECONOMICS**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1324 Business Math I	3	MATH 1325 Business Math II	3
	3	COMM1311 Funds of Communications	3
	4	Natural Science*	<u>4</u>
	<u>1</u>		
Total	17		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	ECO 2302 Prins of Microeconomics	3
ECO 2301 Prins of Macroeconomics	3	ACC 2302 Intro Managerial Acc	3
ACC 2301 Intro to Financial Acc	3	PSCI 2306 American State Govt	3
DS 2310 Business Statistics I	3	General Elective ¹	<u>3</u>
PSCI 2305 American National Govt	<u>3</u>		
Total	15		12
JUNIOR YEAR		JUNIOR YEAR	
BA 3301 Prof Written Comm	3	BA 3310 Legal Environ of Business	3
ECO 4310 Inter Macroeconomics	3	MGT 3310 Prins of Mgt&Org Beh	3
MIS 3310 Management Info Systems	3	FIN 3310 Introduction to Finance	3
ECO 4340 International Economics	3	ECO 3320 Managerial Economics	3
BA 3320 International Business	<u>3</u>	MKT 3310 Principles of Marketing	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
ECO 4370 Regional Eco Integration	3	BA 4390 Business Strategy	3
FIN 4380 International Finance	3	ECO 4390 Intl Eco Policy & Strat	3
	3	POM 3310 Prod Operations Mgmt	3
	3	Advanced Business Elec	3
	<u>3</u>	Restricted Elective ²	<u>3</u>
Total	15		15

TOTAL SEMESTER CREDIT HOURS: 120

¹Select from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/SCIENCE.

²Select from BA 4398, ECO 3310, 3325, 4350, 4360, 4199-4399, FIN 3320, 3330, PSCI 3340, or 4335.

*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**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 1324 Business Math I	3	MATH 1325 Business Math II	3
	3	COMM1311 Funds of Communications	3
	4	Natural Science*	<u>4</u>
	<u>1</u>		
Total	17		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	ECO 2302 Prins of Microeconomics	3
ECO 2301 Prins of Macroeconomics	3	ACC 2302 Intro Managerial Acc	3
ACC 2301 Intro to Financial Acc	3	PSCI 2306 American State Govt	3
DS 2310 Business Statistics I	3	MIS 3310 Management Info Sys	3
PSCI 2305 American National Govt	<u>3</u>	General Elective ¹	<u>3</u>
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
BA 3301 Prof Written Comm	3	FIN 3310 Introduction to Finance	3
BA 3310 Legal Environ Business	3	MGT 3320 Organizational Behavior	3
MKT 3310 Principles of Marketing	3	BA 3320 International Business	3
ECO 3320 Managerial Economics	3	POM 3310 Prod Operations Mgmt	3
MGT 3310 Prins of Mgt&Org Beh	<u>3</u>	MGT 3340 Business Ethics	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
MGT 4380 Organizational Theory	3	MGT 4360 Entr&Mgmt of Innov	3
MGT 3370 Human Resource Mgmt	3	BA 4390 Business Strategy	3
MGT 4350 Business, Gov, and Society	3	MGT 4330 Industrial Relations	3
Advanced Business Elec	<u>3</u>	Advanced Business Elec	3
		General Elective ¹	<u>3</u>
Total	12		15

TOTAL SEMESTER CREDIT HOURS: 120

¹ Select from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/SCIENCE.

*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**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 U.S. to 1877	3	HIST 1302 U.S. Since 1877	3
MATH 1324 Business Math I	3	MATH 1325 Business Math II	3
	3	COMM1311 Funds of Communications	3
	4	Natural Science*	<u>4</u>
	<u>1</u>		
Total	17		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	ECO 2302 Prins of Microeconomics	3
ECO 2301 Prins of Macroeconomics	3	ACC 2302 Intro Managerial Acc	3
ACC 2301 Intro to Financial Acc	3	PSCI 2306 American State Govt	3
DS 2310 Business Statistics I	3	MIS 3310 Management Info Sys	3
PSCI 2305 American National Govt	<u>3</u>	General Elective ¹	<u>3</u>
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
BA 3301 Prof Written Comm	3	FIN 3310 Introduction to Finance	3
BA 3310 Legal Environ Business	3	MKT 3330 Advertising&Promotion	3
MKT 3310 Principles of Marketing	3	MGT 3310 Prins of Mgt&Org Beh	3
ECO 3320 Managerial Economics	3	POM 3310 Prod Operations Mgmt	3
BA 3320 International Business	<u>3</u>	Adv Business Elective	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
MKT 3320 Buyer Behavior	3	MKT 4390 Marketing Probs&Pols	3
TIL 3340 Business Logistics Mgmt	3	MKT 4310 International Marketing	3
MKT 4320 Marketing Research	3	MKT 4330 Marketing management	3
Advanced Business Elec	<u>3</u>	Adv Business Elective	3
		General Elective ¹	<u>3</u>
Total	12		15

TOTAL SEMESTER CREDIT HOURS: 120

¹Select from ANTH/GEOG/HIST/PHIL/PSYC/SOCI/MATH/SPCH/SCIENCE.

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

COLLEGE OF EDUCATION UNDERGRADUATE DEGREES

UNDERGRADUATE DEGREES

Bachelor of Science in Communication Disorders (BS)

Bachelor of Science in Interdisciplinary Studies with a major in Bilingual Education Grades EC - 6 (BSIS)

Bachelor of Science in Interdisciplinary Studies with a major in Bilingual Education Grades 4 - 8 (BSIS)

Bachelor of Science in Interdisciplinary Studies with a major in Early Childhood Education/
Reading Specialization (BSIS)

Bachelor of Science Degree in Fitness and Sports All-Level Certificate (BS)

Bachelor of Science Degree in Fitness and Sports (non-certificate) (BS)

Bachelor of Science Degree in All Level Special Education (BS)

UNDERGRADUATE CROSS-COLLEGE DEGREES

Bachelor of Arts (BA) Bachelor of Science (BS) Bachelor of Science in Interdisciplinary Studies (BSIS)

These degree plans are listed under the College of Arts and Sciences.

MINORS

Early Childhood Education

Reading

Health and Wellness

Special Education

SEE ENDORSEMENTS AND PROFESSIONAL CERTIFICATES IN THIS SECTION.

SEE APPENDIX B FOR COLLEGE OF ARTS AND SCIENCES AND COLLEGE OF BUSINESS ADMINISTRATION MINORS AVAILABLE.

COLLEGE OF EDUCATION (COED)

The mission of the College of Education at Texas A&M International University is to provide a comprehensive and coherent professional development system for educators which link all aspects of the education profession. Through educational experiences provided by the professional development system, educators will be prepared to provide learner-centered instructional experiences that will promote excellence and equity for all students. Faculty in the College of Education are committed to accomplish this mission through: collaboration with colleagues across the university community and the public schools; the use of reflective teaching practices; research that enhances knowledge about teaching and learning; and service to the community of educators in the region.

GENERAL REQUIREMENTS FOR UNDERGRADUATE DEGREES:

See Academic Regulations - Undergraduate for specific TAMU regulations.

EDUCATOR PREPARATION PROGRAMS

The College of Education Educator Preparation Programs are rated "Accredited" by the State Board for Educator Certification. Accreditation status is based on the pass rate on the Texas Examinations of Educator Standards (TExES).

Most recent Title II accountability data (2009) indicate that the pass rate for students who took the TExES exams for initial certification (309 students) is 74%. Additional information is available upon request from the Teacher Certification Office.

Students may choose to work toward certification at the following levels: (1) Early Childhood through Grade 6L (2) Grades 4-8 Middle School; (3) Grades 8-12, Secondary; and (4) All-level: Fitness and Sports, Special Education, Music and Art. Students will complete, as part of their requirements, three instructional blocks of study. These blocks - designated as Instructional Blocks I, II, and III - will be completed sequentially.

Each instructional block is strongly field-based, requiring university preservice teachers, mentors, public school administrators, and University faculty to work collaboratively at designated campuses. University preservice teachers enrolled in the blocks are assigned to mentor teachers at specified elementary or secondary public schools. Preservice teachers in Block I complete a minimum of four (4) hours per week of observation and teaching activities in their assigned

classrooms. Preservice teachers in Block II complete a minimum of seven (7) hours per week of observation and teaching activities in their assigned classrooms.

To be eligible for the Blocks, students must be admitted to the Educator Preparation Program by satisfying the following requirements:

- complete an Application for Admission to the College of Education in the Certification Office.
- an overall GPA of 2.7 on a 4.0 scale;
- passing scores on all portions of the THEA, with minimum scores of 240 on Reading, 250 on Math, and 240 on Writing. The Alternative THEA, COMPASS, or the ACT may be used to satisfy the THEA requirement ("B" or better in coursework will not satisfy any part of the THEA requirement).
- a passing score on the SPEAK test of English oral proficiency;
- complete all freshman and sophomore level coursework with a grade of "C" or better for all courses in the student's degree plan.

To be eligible to enroll in EDCI 4993 Student Teaching, the student must fulfill the following:

- meet all the criteria for admission to educator preparation;
- have a cumulative overall GPA of 2.7 and a cumulative GPA of 2.7 in the teaching field;
- complete all degree plan courses with a grade of "C" or better;
- submit an application for Student Teaching in the office of the Director.

Students will be required to interview before a committee of public school personnel and College of Education Supervising faculty. In the event that a student is denied admission to EDCI 4993, he or she may appeal to the Dean of the College of Education.

INSTRUCTIONAL COURSEWORK

Once students are admitted into the College of Education, they may enroll in instructional blocks consisting of the Professional Development Education courses required for teacher certification at the level they are preparing to teach. There are three instructional blocks which students must complete. These are described below for each certification level.

EARLY CHILDHOOD- 6 BILINGUAL SPECIALIZATION CERTIFICATION

Instructional Block I

EDCI	3301	Theory and Practice for Public School Teaching
EDBE	3322	Dual Language Assessment and Development

Instructional Block II

EDCI	3304	Methods, Management, and Discipline
EDDP	4324	Teaching Diverse Student Populations

Instructional Block III

EDCI	4993	Student Teaching
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BILINGUAL 4-8 CERTIFICATION

Instructional Block I

EDCI	3301	Theory and Practice for Public School Teaching
EDBE	3322	Dual Language Assessment and Development

Instructional Block II

EDCI	3304	Methods, Management, and Discipline
EDDP	4324	Teaching Diverse Student Populations

Instructional Block III

EDCI	4993	Student Teaching
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ALL LEVEL CERTIFICATION

Instructional Block I

EDCI	3301	Theory and Practice for Public School Teaching
EDCI	3302	Language Acquisition and Development

Instructional Block II

EDCI	3304	Methods, Management, and Discipline
EDDP	4324	Teaching Diverse Student Populations

Instructional Block III

EDCI	4993	Student Teaching
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EARLY CHILDHOOD - 6 AND ALL LEVEL CERTIFICATION

Instructional Block I

EDCI	3301	Theory and Practice for Public School Teaching
EDBE	3302	Language Acquisition and Development

Instructional Block II

EDCI	3304	Methods, Management, and Discipline
EDDP	4324	Teaching Diverse Student Populations

Instructional Block III

EDCI	4993	Student Teaching
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MIDDLE SCHOOL (4-8) AND SECONDARY (8-12)

Instructional Block I

EDCI	3301	Theory and Practice for Public School Teaching
EDCI	3302	Language Acquisition and Development

Instructional Block II

EDCI	3304	Methods, Management, and Discipline
EDDP	4324	Teaching Diverse Student Populations

Instructional Block III

EDCI	4993	Student Teaching
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STANDARD CERTIFICATES

The Standard Early Childhood Certificate (Grades PreK - 6)

Students seeking a standard certificate to teach in grades PreK-6 in Texas must complete: (1) bachelor's degree; (2) eighteen to twenty-four (18-24) semester credit hours in the delivery system to develop a teaching specialization; (3) twenty-four to thirty-six semester credit hours in the combination of subjects taught in prekindergarten through grade 4; and (4) twenty-one semester credit hours of Professional Development Education course work, including EDCI 4993.

The Standard Early Childhood Bilingual Certificate (Grades PreK -6)

Students pursuing Early Childhood Certification may choose to specialize in Bilingual Education. Students choosing this certification will complete the requirements outlined for the Early Childhood Certificate.

The Standard Middle School Certificate (Grades 4-8)

Students working toward certification to teach grades 4-8, may select from the following teaching specializations:

- Bilingual Generalist
- English Language Arts and Reading
- English Language Arts and Reading/Social Studies
- Mathematics
- Science
- Social Studies

Students will complete twenty-one (21) semester credit hours of coursework in Professional Development Education courses. Courses for the teaching specialization will be defined by the respective college. For further information, students may contact the Dean of the College of Arts and Sciences or the University Registrar.

The Standard Secondary School Certificate (Grades 8-12)

Students working toward secondary teacher certification (grades 8-12) will specialize in a teaching field, following an Option I degree plan. Option I requires the completion of a minimum of thirty-six (36) semester credit hours in one academic field and twelve (12) semester credit hours of coursework in a supporting field. Students specializing in a Composite Teaching Field will follow an Option IV degree plan. Option IV consists of a minimum of forty-eight (48) semester credit hours in a composite teaching field. All students working toward secondary teacher certification will complete twenty-one (21) semester credit hours of Professional Development Education coursework. Courses for the teaching specialization are defined by the respective college. Students should consult with an advisor in the appropriate college to determine the options and requirements for their academic field.

ENDORSEMENTS

Texas A&M International University offers programs leading to endorsements which can be added to a valid Texas teacher certificate. Endorsements are available in the following areas:

- Bilingual Education
- English as a Second Language

PROFESSIONAL CERTIFICATES

A professional certificate may be issued to a student who: (1) has earned a master's degree; (2) holds a valid Texas teacher certificate; (3) has completed two-three years of successful teaching depending on the certificate being pursued; (4) has completed the required course work in an approved professional certificate program; (5) has successfully completed the appropriate Texas Examinations of Educator Standards (TExES), as needed; and (6) has been recommended by the TAMIU Certification Officer. If course work is properly planned, the graduate student may be able to complete requirements simultaneously for a master's degree and a professional certificate.

Students are required to pass the Texas Examination of Educator Standards (TExES) in their area(s) of specialization prior to being recommended for a certificate or endorsement, as appropriate.

At Texas A&M International University, approved professional certificate programs are available in the following areas:

- Educational Diagnostician (code -153)
- Principal (code - 068)
- Reading Specialist (code -151)
- School Counselor (code - 152)
- Special Education Counselor
- Superintendent (code - 064)

A student interested in working toward a graduate degree and/or professional certificate should contact the Office of the Dean, College of Education or the Office of the University Registrar for further information.

Students holding at least a baccalaureate degree and who are interested in obtaining teacher certification may apply through the Office of the Certification Officer. An application fee will be assessed for each deficiency plan or certificate plan prepared.

ADMISSION TO THE EDUCATOR PREPARATION PROGRAM

A student seeking admission to the University may declare his/her intention to prepare to teach and initiate a general academic program in preparation for teacher certification. Upon declaring his/her intention to pursue teacher certification, the student must apply for admission to the program in the Certification Office.

Admission to the Educator Preparation Program requires screening in the areas of reading, oral and written communication, critical thinking, and mathematics. To be admitted to the Educator Preparation Program, candidates must:

- successfully complete the THEA with minimum scores of 240 in Reading, 250 in Mathematics, and 240 in Writing; OR successfully complete the Scholastic Aptitude Test (SAT) with a minimum combined score of 1070, with no lower than a 500 on the mathematics and verbal section each; OR obtain a minimum composite of 23 on the ACT with no less than 19 on mathematics and 19 on the English sections; OR obtain minimum scores on the Compass Test of 45 in Algebra, 64 in English, 81 in Reading, and 6 in Writing; OR obtain a minimum total score of 700 (verbal+ quantitative) on the Graduate Records Exam (GRE), with a minimum score of 350 on verbal and 350 on quantitative sections. Test scores obtained more than five years before applying for admission to the College of Education will not be accepted.
- demonstrate proficiency in oral communication in English by successfully completing the SPEAK test; and
- have a minimum cumulative grade point average of 2.7 on a 4.0 scale.
- complete all freshman and sophomore level coursework
- NOTE: Education Content coursework completed more than five years before applying for admission to the College of Education will not be counted toward certification requirements.

Students seeking admission into the Program must submit an Application for Admission with the College of Education Certification Office. Students must provide complete and official transcripts of all college work at the time of application and pay a fee of \$10.00. A student who withdraws from either a baccalaureate or post-baccalaureate program leading to certification forfeits his/her admission status to certification. Should he/she decide to re-enter a certification program at a

later time, he/she will be required to satisfy the admission criteria stated in the Catalog for the year of re-entry into the Program. This applies in the case when a deficiency or certificate plan has expired, three years after it is first issued.

Additional Information on the Educator Preparation Based Program and Certification

1. *Grades Required:* To be eligible for certification, a student must have a minimum grade point average of 2.7 overall (based on a scale of 4.0), and in the work taken at Texas A&M International University. Additionally, secondary education majors must have a 2.7 average in their teaching field(s). Elementary majors must have at least a 2.7 in their specialization.
2. *Health Examinations:* The student is responsible for satisfying the health examination(s) required of teachers in the school system. The health certificate should be presented at the time of registration for the semester in which the field experiences will be completed.
3. *Background Check:* All students enrolled in Blocks will be required to obtain a State background check from the appropriate law enforcement agency. This information is required by the school districts participating in the Learner-Centered Field Based Program. Students not providing the necessary documentation to the Director of the Learner-Centered Field Base Program will not be permitted to do the field work required by the program. In such cases, students may be asked to drop the field-based courses.
4. *Additional Teaching Fields:* House Bill 2185 provides that a teacher who possesses a valid classroom teacher certificate and a bachelor's degree may qualify for certification in an additional teaching field(s), or may be eligible to become certified to teach another level by passing the appropriate Texas Examination(s) of Educator Standards (TExES) and subsequently completing a one-year internship program under the supervision of an experienced certified teacher who is teaching at the level and in the teaching field.
5. *House Bill 1130 (formerly Senate Bill 218)* allows individuals seeking teacher certification while serving as instructional aides in public schools to substitute course work for student teaching. Additional information may be obtained from the Certification Officer.

POST-BACCALAUREATE CERTIFICATE AND DEFICIENCY PLANS

Individuals who possess a bachelor's degree and who intend on becoming certified to teach in the state of Texas may complete requirements for certification on a Certificate or Deficiency Plan. The Certificate Plan is designed for post-baccalaureate students who are not currently teaching, but intend to complete course work for teacher certification. The Deficiency Plan is designed for individuals who are not certified and are employed on an Emergency Teaching Permit.

To be eligible for a Certificate or Deficiency Plan, the individual must: (1) possess a bachelor's degree from an accredited institution; (2) be admitted to the University; and (3) satisfy all requirements for ADMISSION TO THE EDUCATOR PREPARATION PROGRAM, as outlined in an earlier section. Candidates meeting these criteria may submit an application for a certificate or deficiency plan, along with official copies of all college transcripts, to the Certification Office in the College of Education. Additional information on post-baccalaureate certification is available in the Certification Office.

Individuals pursuing post-baccalaureate certification will complete eighteen (18) semester credit hours of Education courses. The Education courses are taken in sequence, in Instructional Blocks. Following are the required courses for Post-Baccalaureate Certification.

Early Childhood - 4th Grade Post-Baccalaureate Certification

EDCI	3302	Language Acquisition and Development	3 SCH
EDCI	4398	Senior Practicum	3 SCH
EDCI	5300	Teaching and Learning Principles in the Public Schools	3 SCH
EDEC	4362	Language and Literacy for the Young Child	3 SCH
EDEC	5324	Advanced Study of the Young Child	3 SCH
EDEC	5361	Curriculum and Materials for Early Childhood Educators	3 SCH
TOTAL			18 SCH

Early Childhood - 4th Grade Bilingual Post-Baccalaureate Certification

EDBE	3325	Theories of Second Language Learning, EC - 6	3 SCH
EDBE	4334	Teaching the Content Areas in a Dual Language Environment	3 SCH
EDCI	3302	Language Acquisition and Development	3 SCH
EDCI	4398	Senior Practicum	3 SCH
EDCI	5300	Teaching and Learning Principles in the Public Schools	3 SCH
EDRD	4317	Teaching English Literacy from a Spanish Literacy Base	3 SCH
TOTAL			18 SCH

4 - 8 Grade Bilingual Generalist Post-Baccalaureate Certification

EDBE	3326	Theories of Second Language Learning, 4 - 12	3 SCH
EDBE	4335	Teaching the Content Areas in the Dual Environment, 4-8 Bilingual	3 SCH
EDCI	3302	Language Acquisition and Development	3 SCH
EDCI	4398	Senior Practicum	3 SCH
EDCI	5300	Teaching and Learning Principles in the Public Schools	3 SCH
EDRD	4317	Teaching English Literacy from a Spanish Literacy Base	3 SCH
TOTAL			18 SCH

Generic Special Education Post-Baccalaureate Certification

EDCI	3302	Language Acquisition and Development	3 SCH
EDCI	4398	Senior Practicum	3 SCH
EDSE	3310	High Incident Disabilities	3 SCH
EDSE	3315	Low Incident Disabilities	3 SCH
EDSE	3320	Measurement and Evaluation for Special Education	3 SCH
EDCI	5300	Teaching and Learning Principles in the Public Schools	3 SCH
TOTAL			18 SCH

8 - 12 Grade Post-Baccalaureate Certification

EDBE	3326	Theories of Second Language Learning, 4 - 12	3 SCH
EDCI	3302	Language Acquisition and Development	3 SCH
EDCI	4398	Senior Practicum	3 SCH
EDCI	5300	Teaching and Learning Principles in the Public Schools	3 SCH
EDSE	3310	High Incident Disabilities	3 SCH
EDRD	3320	Content Reading	3 SCH
TOTAL			18 SCH

NOTE: Up to nine semester hours of coursework in the teaching field may be required based on scores on the secondary TExES.

Additional coursework may be required when candidates are working toward certification outside their major field in which the bachelor's degree was earned.

Eligibility to Take TExES Exams

Students are eligible to take a TExES exam when they have completed all program requirements, which include: completing all required courses with a satisfactory grade, earning a "C" or better in all Education courses, maintaining an overall grade point average of 2.7 or higher, maintaining a grade point average of 2.7 or higher in the teaching field or specialization, and attending required TExES review sessions.

Students who have been approved to take a TExES exam must obtain a TExES/TOPT Test approval form from the Certification Office. Students will be responsible for registering on line for their appropriate exam by the deadlines given in the registration bulletin. To be eligible to test, students must complete all program requirements which include the successful completion of all coursework, reviews, and pre-tests.

Obtaining Teacher Certification

Teacher Certification is obtained after the candidate has completed the certification program in which he/she has been enrolled 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 for 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 for Educator Certification.

All certificates issued by the State are Five-Year Renewable certificates. The individual holding the certificate must submit documentation to the State every five years showing that he/she has completed the required clock hours of professional development activities relating to his/her area of certification.

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.

The following courses comprise the Core Curriculum for all Bachelor of Science in Interdisciplinary Studies with specialization in Early Childhood, Bilingual Education and Reading.

**BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES
SPECIALIZATION- EARLY CHILDHOOD, BILINGUAL EDUCATION AND READING**

CORE CURRICULUM			42 SCH
EDFS	1152	Health and Wellness	1
ENGL	1301	English Composition I	3
ENGL	1302	English Composition II	3
HIST	1301	The U.S. to 1877	3
HIST	1302	The U.S. Since 1877	3
PSCI	2305	American National Government	3
PSCI	2306	American State Government	3
ARTS		Arts 1100, DANC 1100, MUSI 1100	3
ENGLISH		Sophomore English Literature	3
MATH		MATH 1314 or higher	3
SCIENCE		Life and Earth Science	8
COMMUNICATION		ENGL 2311, HUM 2301 or SPCH 1311	3
		Social Behavioral Science	3

MINOR IN EARLY CHILDHOOD EDUCATION

MINOR CURRICULUM - EARLY CHILDHOOD EDUCATION **18 SCH**

Select 18 SCH from the courses listed below with at least 12 SCH at the 3000-4000 level:

EDEC	1304	Play and Play Environments
EDEC	2324	The Young Child
EDEC	3363	Expressive Arts for the Young Child
EDEC	3364	Mathematics and Science Principles for Young Children
EDEC	4362	Language and Literacy for the Young Child
EDEC	4366	Curriculum and Materials in Early Childhood Education
EDEC	4199-4399	Issues in Early Childhood Education

MINOR IN HEALTH AND WELLNESS

MINOR CURRICULUM - HEALTH AND WELLNESS **18 SCH**

EDHW	3340	Healthy Lifestyles
EDHW	3341	Health Issues of Diverse Populations
EDHW	3345	Chronic and Infectious Diseases
EDHW	4310	School/Community Health Promotions
EDHW	4315	Comprehensive Sexuality Education
EDHW	4320	Substance Abuse Education

Note: Students opting for a Health and Wellness minor must meet all College of Education admissions standards.

MINOR IN READING

MINOR CURRICULUM - READING **18 SCH**

Select 18 SCH from the courses listed below:

EDRD	3300	Word Identification
EDRD	3302	Literacy and Language Acquisition
EDRD	3303	Teaching Reading and Language Arts
EDRD	3309	Teaching Reading in the Schools
EDRD	3320	Content Reading
EDRD	4303	Spec Tpcs in Secondary Reading: Strategies for Tching Reading in Secondary School
EDRD	4305	Reading Materials for Individualized Instruction
EDRD	4307	Reading Comprehension
EDRD	4311	Classroom Diagnosis and Remediation of Reading Difficulties

EDRD	4315	Reading Problems in Middle and High School
EDRD	4317	Teaching English Literacy from a Spanish Literacy Base
EDRD	4330	Managing and Enhancing Reading Programs
EDRD	4399	Issues in Reading

MINOR IN SPECIAL EDUCATION

MINOR CURRICULUM - SPECIAL EDUCATION

18 SCH

Select 18 SCH from the courses listed below:

EDSE	3305	Introduction to Special Education
EDSE	3310	High Incident Disabilities
EDSE	3315	Low Incident Disabilities
EDSE	3320	Measurement and Evaluation for Special Education
EDSE	3325	Management of Special Education Classrooms
EDSE	4310	Adapting Mathematics and Science for Special Education
EDSE	4320	Adapting Language Arts and Social Studies for Special Education
EDSE	4330	Special Education Law and Procedures
EDSE	4360	Teaching Children with Emotional Disturbances and Autism
EDSE	4199-4399	Issues in Special Education

SUPPORT AREA IN HEALTH AND WELLNESS

SUPPORT AREA CURRICULUM - HEALTH AND WELLNESS

15 SCH

Required courses:

EDHW	3340	Health Lifestyles
EDHW	3341	Health Issues of Diverse Populations

Three courses chosen from:

EDHW	3345	Chronic and Infectious Diseases
EDHW	4310	School/Community Health Promotion
EDHW	4315	Comprehensive Sexuality Education
EDHW	4320	Substance Abuse Education

Note: Students opting for a Health and Wellness Support Area must meet all College of Education admission standards.

SUPPORT FIELD IN FITNESS AND SPORTS

SUPPORT FIELD CURRICULUM - FITNESS AND SPORTS

12 SCH

Required Courses:

EDFS	2301	Foundations of Fitness and Sports
EDFS	2316	Health & Movement
EDFS	3301	Coaching

One course chosen from:

EDFS	3300	Exercise Physiology
EDFS	4305	Adapted Physical Activity
EDFS	4307	Sports Management

PROGRAMS OF STUDY BACHELOR OF SCIENCE

Degree Requirements for the BS in Communication Disorders:

1. **Hours Required:** A minimum of **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.
2. **University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **Math Elective:** **3** SCH selected from any math course above the level of College Algebra.
4. **Support Area:** **12** SCH: EDEC 4362; COMM 3320 or 4340; COMM 3305, 4320 or 4325; and PSYC 2317.
5. **Field of Study:** **9** SCH including: EDEC 2324, EDFS 2316, PSYC 2301 and PSYC 2312. PSYC 2301 meets the Social/Behavioral Science requirement in the Core.
6. **Specialization:** **54** SCH including: CSDO 3122, 3126 (repeated once), 3305, 3313, 3321, 3325, 4300, 4320, 4321, 4330, 4331, 4333, 4335, 4336; EDSE 3305, 3315, 4330; ENGL 3347 or PSYC 4309; and PSYC 4305.

Degree Requirements for the BSIS Bilingual Education EC-6:

1. **Hours Required:** A minimum of **130** 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.
2. **University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **Support Area:** **9** SCH: EDEC 4362, EDRD 3309 and EDRD 4317.
4. **Field of Study:** **9** SCH including: EDEC 1304, 2324 and EDFS 2316.
5. **Spanish:** **9** SCH: SPAN 3300, 3305 and 4311.
6. **Specialization:** **18** SCH including: EDBE 4336, 3325, 3322, 4334, 4310, and EDSE 3305.
7. **Combination of Subjects:** **25** SCH including ENGL 3323, SOST 4391, SPAN 3310, 4317, PHYS 1370, 1170, NSCI 3301, MATH 1350 and 1351.
8. **Professional Development:** **18** SCH including: EDCI 3301, 3304, 4993 and EDDP 4324.

Degree Requirements for the BSIS Bilingual Education Grades 4-8 Certification:

1. **Hours Required:** A minimum of **130** 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.
2. **University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **Support Area:** **6** SCH: EDRD 4315 and 4317.
4. **Field of Study:** **12** SCH including: MATH 1350, 1351, PSYC 2312 and SOCI 1306/NURS1302.
5. **Spanish:** **9** SCH: SPAN 3300, 3305 and 4311.
6. **Specialization:** **24** SCH including: EDBE 3322, 3326, 3338, 3340, 4310, EDSE 3305, SPAN 3310 and 4371.
7. **Combination of Subjects:** **19** SCH including ENGL 3325 and 3347, SOST 4391 and SPAN 4390, PHYS 1370, 1170, and NSCI 3301.
8. **Professional Development:** **18** SCH including: EDCI 3301, 3304, 4993 and EDDP 4324.

Degree Requirements for the BSIS Early Childhood Reading Specialization:

1. **Hours Required:** A minimum of **124** 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.
2. **University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **Support Area:** **9** SCH: EDEC 4362, EDEC 3374 and EDSE 3305.
4. **Field of Study:** **15** SCH including: EDEC 2324, 3384, 3394, EDFS 2316 and EDIT 3300..
5. **Specialization:** **18** SCH including: EDRD 3302, 3303, 3309, 3311, 3320, and 4305.
6. **Combination of Subjects:** **22** SCH including ENGL 3323 and 3347, SOST 4391, PHYS 1370, 1170, NSCI 3301, MATH 1350 and 1351.
7. **Professional Development:** **21** SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

Degree Requirements for the BS Fitness and Sports All Level Certification

1. **Hours Required:** A minimum of **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.
2. **University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **Support Area:** **15** SCH: 3 SCH selected from EDRD 3309, 3320 or 4315; 12 SCH selected from one discipline.

4. **Math Elective:** 6 SCH: Math 1350 and 1351.
5. **Major:** 42 SCH including: EDFS 1101, 1104, 1111, 2300, 2301 2303, 2310, 2316, 2325, 3300, 3301, 3305, 4300, 4301, 4305 and 4307.
6. **Professional Development:** 21 SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

Degree Requirements for the BS Fitness and Sports Non Certification

1. **Hours Required:** A minimum of 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.
2. **University Core Curriculum:** 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”. Core Curriculum science requirements are BIOL 1470 - Human Biology and any other science with CHEM 1411 - General Chemistry, highly recommended.
3. **Math Elective:** 3 SCH selected from any math course above the level of College Algebra.
4. **Major:** 42 SCH including: EDFS 1101, 1104, 1111, 2300, 2301 2303, 2310, 2316, 2325, 3300, 3301, 3305, 4300, 4301, 4305 and 4307.
5. **Minor:** A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level.
6. **Support Area/Electives:** 15 SCH at least twelve of which must be at the 3000-4000 level.

Degree Requirements for the BS Special Education All Level Certification:

1. **Hours Required:** A minimum of 124 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.
2. **University Core Curriculum:** 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation”.
3. **Support Area:** 6 SCH: EDRD 3309 and 3311.
4. **Field of Study:** 12 SCH including: EDEC 2324, EDFS 2316, PSYC 2301 and 2312.
5. **Specialization:** 18 SCH including: EDSE 3305, EDSE 3310, EDSE 3315, EDSE 3320, EDSE 3325, and EDSE 4330.
6. **Combination of Subjects:** 25 SCH including EDRD 4305, EDSE 4315, EDSE 4360, ENGL 3323, PHYS 1370, 1170, MATH 1350, 1351, and SOST 4391.
7. **Professional Development:** 21 SCH including: EDCI 3301, 3302, 3304, 4993 and EDDP 4324.

**BACHELOR OF SCIENCE
MAJOR IN COMMUNICATION DISORDERS**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

***See the University Core Curriculum Requirements in Appendix A** for approved list of course options.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR			
ENGL 1301 English Composition I	3	COMM Communication ¹	3
HIST 1301 The U.S to 1877	3	EDFS 1152 Health and Wellness	1
MATH 1314 College Algebra	3	ENGL 1302 English Composition II	3
PSYC 2301 Intro to Psychology	3	HIST 1302 The U.S Since 1877	3
Natural Science*	<u>4</u>	MATH Math Elective ²	3
		PSYC 2312 Developmental Psyc	<u>3</u>
Total	16		16
SOPHOMORE YEAR			
EDFS 2316 Health and Movement	3	EDEC 2324 The Young Child	3
ENGL Survey of Literature*	3	EDSE 3305 Intro to Special Ed	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
PSYC 2317 Basic Statistics for PSYC	3	Visual/Performing Arts*	<u>3</u>
Natural Science*	<u>4</u>		
Total	16		12
JUNIOR YEAR			
COMM Communication ³	3	COMM4300 Bil Speech Lang Pathology	3
CSDO 3122 Obs in Spe Lang Pathology	1	CSDO 3321 Anat&Phys Spe Mech	3
CSDO 3305 Intro to Comm Disorders	3	CSDO 4321 Articulatory&Phon Dis	3
CSDO 3325 Phonetics	3	EDSE 3315 Low Incident Dis	3
CSDO 4331 Speech&Hearing Science	3	PSYC 4305 Psychology of Lang	<u>3</u>
ENGL Language ⁴	<u>3</u>		
Total	16		15
SENIOR YEAR			
COMM Communication ⁵	3	CSDO 3126 Clin Pract Spe Lang Path	1
CSDO 3126 Clin Pract Spe Lang Path	1	CSDO 4336 Adult Neurogenic&Lang Disorders	3
CSDO 3313 Intro to Audiology	3	CSDO 4320 Diag&Eval Spe Lang Path	3
CSDO 4330 Voice&Fluency Disorders	3	CSDO 4335 Lang Dis in Child&Adu	3
CSDO 4333 Normal Lang Acq	3	EDEC 4362 Lang&Ltrcy Yng Chld	<u>3</u>
EDSE 4330 Spec Ed Law&Proc	<u>3</u>		
Total	16		13

TOTAL SEMESTER CREDIT HOURS: 120

¹Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

²Math elective, select 3 SCH from any math course above the level of College Algebra.

³Communication, select from COMM 3320 or COMM 4340.

⁴Language, select from ENGL 3347 or PSYC 4309.

⁵Communication, select 3 SCH from COMM 3305, COMM 4320 or COMM 4325

*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 INTERDISCIPLINARY STUDIES
MAJOR IN BILINGUAL EDUCATION
WITH GRADES EC - 6 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

***See the University Core Curriculum Requirements in Appendix A** for approved list of course options.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR			
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
EDEC 1304 Play&Play Environments	3	HIST 1302 The U.S Since 1877	3
HIST 1301 The U.S To 1877	3	COMM Communication ¹	3
MATH 1314 College Algebra	3	EDFS 1152 Health and Wellness	1
PHYS 1370 Survey Phys Science	3	Visual/Performing Arts ²	3
PHYS 1170 Survey Phys Science	<u>1</u>	MATH 1350 Fundamentals of Math I	<u>3</u>
Total	16		16
SOPHOMORE YEAR			
MATH 1351 Fundamentals of Math II	3	EDFS 2316 Health and Movement	<u>3</u>
ENGL Survey of Literature*	3	Total	3
PSCI 2305 American National Govt	3	SOPHOMORE YEAR	
BIOL 1370 Survey Life Science	3	EDEC 2324 The Young Child	3
BIOL 1170 Survey Life Science Lab	1	Soc/Behavioral Science*	3
SPAN 3300 Spanish Grammar&Comp	<u>3</u>	PSCI 2306 American State Govt	3
Total	16	EPSC 1370 Survey Earth Science	3
JUNIOR YEAR			
EDBE 3322 Dual Lang Assmt & Dev	3	EPSC 1170 Survey Earth Science Lab	1
EDCI 3301 Thry&Prac Pub Sch Tch	3	SPAN 3305 Adv Spanish Grammar&Comp	<u>3</u>
EDBE 4310 Foundations Bil Ed	3	Total	16
SPAN 3310 Intro to Lit in Spanish	3	JUNIOR YEAR	
SPAN 4317 Hispanic Folklore	<u>3</u>	EDBE 3325 Thry 2 nd Lng Lrng, EC-4	3
Total	15	EDBE 4334 Tch Cont Areas DI Lang	3
SENIOR YEAR			
EDDP 4324 Teaching Diverse Stu Pop	3	EDEC 4362 Lang&Ltrcy Yng Chld	3
EDCI 3304 Methods, Mgt&Discipline	3	EDRD 3309 Tchg Rdg in Schools	3
NSCI 3301 Current Topics in Science	3	SPAN 4311 Probs in Tchng Spanish	3
EDBE 4336 Language Arts in Spanish	3	ENGL 3323 Children's Literature	<u>3</u>
SOST 4391 Topics in Social Studies	<u>3</u>	Total	18
Total	15	SUMMER	
TOTAL SEMESTER CREDIT HOURS: 130			
SENIOR YEAR			
EDDP 4324 Teaching Diverse Stu Pop	3	EDRD 4317 Tch Eng Literacy	3
EDCI 3304 Methods, Mgt&Discipline	3	EDSE 3305 Intro to Special Education	<u>3</u>
NSCI 3301 Current Topics in Science	3	Total	6
EDBE 4336 Language Arts in Spanish	3	SENIOR YEAR	
SOST 4391 Topics in Social Studies	<u>3</u>	EDCI 4993 Student Teaching	<u>9</u>
Total	15		9

¹Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

²ARTS 1100, MUSI 1100, and DANC 1100 must be taken to fulfill this requirement for ECE Bilingual Majors.

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 INTERDISCIPLINARY STUDIES
MAJOR IN BILINGUAL EDUCATION
WITH GRADES 4 - 8 CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

***See the University Core Curriculum Requirements in Appendix A** for approved list of course options.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I Schools and Society ¹	3 3	ENGL 1302 English Composition II	3
HIST 1301 The U.S To 1877	3	PSYC 2312 Developmental Psy	3
MATH 1314 College Algebra	3	HIST 1302 The U.S Since 1877	3
PHYS 1370 Survey Physical Science	3	COMM Communication ²	3
PHYS 1170 Survey Phys Science Lab	<u>1</u>	EDFS 1152 Health and Wellness	1
Total	16	Soc/Behavioral Science*	<u>3</u>
			16
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL Survey of Literature*	3	PSCI 2306 American State Govt	3
PSCI 2305 American National Govt	3	MATH 1351 Fundamentals of Math II	3
MATH 1350 Fundamentals of Math I	3	EPSC 1370 Survey Earth Science	3
BIOL 1370 Survey Life Science	3	EPSC 1170 Survey Earth Science Lab	1
BIOL 1170 Survey Life Science Lab	1	Visual/Performing Arts*	3
SPAN 3300 Spanish Grammar&Comp	<u>3</u>	SPAN 3305 Adv Spanish Grammar&Comp	<u>3</u>
Total	16		16
JUNIOR YEAR		JUNIOR YEAR	
EDCI 3301 Thry&Prac Pub Sch Tch	3	EDBE 3326 Thry 2 nd Lng Lrng, 4-12	3
EDBE 3322 Dual Lang Assmt & Dev	3	EDBE 3338 Tchng Math&Sci in Span	3
EDBE 4310 Foundations Bil Ed	3	EDBE 3340 Tchng SOST&Health Span	3
EDRD 4317 Tch Eng Literacy	3	ENGL 3325 Interm Children's Lit	3
SPAN 3310 Intro to Lit in Spanish	3	ENGL 3347 General Linguistics	3
SPAN 4311 Probs in Tchng Spanish	<u>3</u>	SPAN 4371 Hispanic Culture	<u>3</u>
Total	18		18
SENIOR YEAR		SUMMER	
EDRD 4315 Readng Prob Mid/High Sch	3	EDSE 3305 Intro to Special Education	<u>3</u>
EDDP 4324 Teaching Diverse Stu Pop	3	Total	3
EDCI 3304 Meth,Mgt&Discipline	3	SENIOR YEAR	
NSCI 3301 Current Topics in Science	3	EDCI 4993 Student Teaching	<u>9</u>
SOST 4391 Topics in Social Studies	3		
SPAN 4390 Spanish for Prof Purposes	<u>3</u>		
Total	18		9

TOTAL SEMESTER CREDIT HOURS: 130

¹Schools and Society, select 3 SCH from SOCI 1306 or NURS 1302.

²Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

*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 INTERDISCIPLINARY STUDIES
MAJOR IN EARLY CHILDHOOD EDUCATION
READING SPECIALIZATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	BIOL 1170 Survey Life Science Lab	1
HIST 1301 The U.S To 1877	3	BIOL 1370 Survey Life Science	3
MATH 1314 College Algebra	3	EDFS 1152 Health and Wellness	1
PHYS 1370 Survey Phys Science	3	ENGL 1302 English Composition II	3
PHYS 1170 Survey Phys Science Lab	1	HIST 1302 The U.S Since 1877	3
		MATH 1350 Fundamentals of Math I	3
		Visual/Performing Arts ¹	<u>3</u>
Total	16		17
SOPHOMORE YEAR		SOPHOMORE YEAR	
EDFS 2316 Health and Movement	3	EDEC 2324 The Young Child	3
ENGL Survey of Literature*	3	EPSC 1370 Survey Earth Science	3
MATH 1351 Fundamentals of Math II	3	EPSC 1170 Survey Earth Science Lab	1
PSCI 2305 American National Govt	<u>3</u>	PSCI 2306 American State Govt	3
		Soc/Behavioral Science*	<u>3</u>
Total	12		13
JUNIOR YEAR		JUNIOR YEAR	
EDEC 3394 Math Principles EC-6	3	EDCI 3301 Thy&Prac Pub Sch Tch	3
EDEC 4362 Lang&Literacy Yng Child	3	EDEC 3384 Science Principles EC-6	3
EDRD 3303 Teaching Rdg&L Arts	3	EDRD 3302 Literacy & Language Acq	3
EDRD 3320 Content Reading	3	EDRD 3309 Teaching Reading in Schools	3
EDSE 3305 Intro to Special Education	3	EDRD 3311 Classroom Diag&Remed	3
ENGL 3323 Children's Literature	<u>3</u>	ENGL 3347 General Linguistics	<u>3</u>
Total	18		18
SENIOR YEAR		SENIOR YEAR	
EDCI 3304 Methods, Mgt&Discipline	3	EDCI 4993 Student Teaching	9
EDEC 3374 Soc Studies Prins EC-6	3	SOST 4391 Survey in Social Studies	<u>3</u>
EDDP 4324 Teaching Diverse Stud Pop	3		
EDIT 3300 Inst Tech App	3		
EDRD 4305 Reading Matls Indiv Instr	3		
NSCI 3301 Current Topics in Science	<u>3</u>		
Total	18		12

TOTAL SEMESTER CREDIT HOURS: 124

¹Communication, select 3 SCH from COMM 1311, COMM 1315, ENGL 2311, or HUM 2301.

²ARTS 1100, MUSI 1100, and DANC 1100 must be taken to fulfill this requirement for ECE majors.

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

**BACHELOR OF SCIENCE
MAJOR IN FITNESS AND SPORTS
WITH ALL LEVEL CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

***See the University Core Curriculum Requirements in Appendix A** for approved list of course options.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR			
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S To 1877	3	HIST 1302 The U.S Since 1877	3
MATH 1314 College Algebra	3	COMM Communication ²	3
BIOL Biology Elective ¹	4	EDFS 2310 Officiating	3
EDFS 2301 Found of Fitness & Sports	3	EDFS 2325 First Aid	<u>3</u>
EDFS 1101 Aerobic Activities	<u>1</u>		
Total	17		15
SOPHOMORE YEAR			
EDFS 1104 Beginner Swimming	1	EDFS 1111 Weight Training & Cond	1
EDFS 2300 Physical Fitness	3	EDFS 1152 Health and Wellness	1
EDFS 2303 Athletic Training	3	Soc/Behavioral Science*	3
SCI Science Elective	4	ENGL Survey of Literature*	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
MATH 1350 Fundamentals of Math I	<u>3</u>	MATH 1351 Fundamentals of Math II	3
		Visual/Performing Arts*	<u>3</u>
Total	17		17
JUNIOR YEAR			
EDFS 2316 Health & Movement	3	EDCI 3301 Thry&Pract Pub Schl Tch	3
EDFS 3301 Coaching	3	EDCI 3302 Language Acq&Develop	3
EDFS 3305 Teaching Physical Ed	3	EDFS 4300 Biomechanics	3
EDFS 3300 Exercise Physiology	3	EDFS 4301 Tests and Measurements	3
Support Area/Acad Disc ³	<u>3</u>	Support Area/Acad Disc ³	3
		Support Area/Acad Disc ³	<u>3</u>
Total	15		18
SENIOR YEAR			
EDCI 3304 Methods,Mgt&Discipline	3	EDCI 4993 Student Teaching	<u>9</u>
EDDP 4324 Teaching Diverse Stu Pop	3		
EDFS 4305 Adapted Physical Activity	3		
EDFS 4307 Sports Management	3		
Support Area/Acad Disc ³	3		
Support Area/Acad Disc ³	<u>3</u>		
Total	18		9
TOTAL SEMESTER CREDIT HOURS: 126			

¹Select 4 SCH from BIOL 1470 or BIOL 2401.

²Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

³Select 15 SCH: 3 SCH selected from EDRD 3309, 3320 or 4305; 12 SCH from one academic discipline.

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

**BACHELOR OF SCIENCE
MAJOR IN FITNESS AND SPORTS
(NON CERTIFICATION)**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*See the **University Core Curriculum Requirements in Appendix A** for approved list of course options.

** See **Appendix C** for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S to 1877	3	HIST 1302 The U.S Since 1877	3
MATH 1314 College Algebra	3	COMM Communication ¹	3
	3	EDFS 2310 Officiating	3
EDFS 2301 Found of Fitness & Sports	<u>3</u>	EDFS 2325 First Aid	<u>3</u>
Total	15		15
SOPHOMORE YEAR		SOPHOMORE YEAR	
SCI Science Elective	4	Soc/Behavioral Science*	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
EDFS 1101 Aerobic Activities	1	ENGL Survey of Literature*	3
EDFS 1104 Beginner Swimming	1	BIOL Biology Elective ²	4
EDFS 2300 Physical Fitness	3	EDFS 1111 Weight Training & Cond	1
EDFS 2303 Athletic Training	<u>3</u>	EDFS 1152 Health and Wellness	<u>1</u>
Total	15		15
JUNIOR YEAR		JUNIOR YEAR	
EDFS 2316 Health & Movement	3	MATH Math Elective ³	3
EDFS 3300 Exercise Physiology	3	EDFS 4300 Biomechanics	3
EDFS 3301 Coaching	3	EDFS 4301 Tests and Measurements	3
EDFS Adv EDFS Elective ⁵	3	Minor Curriculum**	3
Minor Curriculum**	<u>3</u>	General Elective ⁴	3
		Adv General Elective ⁴	<u>3</u>
Total	15		18
SENIOR YEAR		SENIOR YEAR	
EDFS 4307 Sports Management	3	EDFS 4305 Adapted Physical Activity	3
Adv Minor Curriculum**	3	Adv Minor Curriculum**	3
Adv Minor Curriculum**	3	Adv Minor Curriculum**	3
Adv General Elective ⁴	3	Adv General Elective ⁴	<u>3</u>
Adv General Elective ⁴	<u>3</u>		
Total	15		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Communication, select 3 SCH from ENGL 2311, HUM 2301 or COMM 1311.

²Select 4 SCH from BIOL 1470 or BIOL 2401.

³Math elective, select 3 SCH from any math course above the level of College Algebra.

⁴Electives, select 15 SCH with at least 12 SCH at the 3000-4000 level.

⁵EDFS elective, select 3 SCH at the 3000-4000 level.

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

**BACHELOR OF SCIENCE
MAJOR IN SPECIAL EDUCATION
WITH ALL LEVEL CERTIFICATION**

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

***See the University Core Curriculum Requirements in Appendix A** for approved list of course options.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
PSYC 2301 Intro to Psychology	3	PSYC 2312 Developmental Psy	3
HIST 1301 The U.S to 1877	3	HIST 1302 The U.S Since 1877	3
MATH 1314 College Algebra	3	COMM Communication ¹	3
PHYS 1370 Survey of Phys Science	3	Soc/Behavioral Science*	3
PHYS 1170 Survey Phys Science Lab	<u>1</u>	EDFS 1152 Health and Wellness	<u>1</u>
Total	16		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
EDFS 2316 Health and Movement	3	EDEC 2324 The Young Child	3
ENGL Survey of Literature*	3	Visual&Performing Arts*	3
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
BIOL 1370 Survey of Life Science	3	EPSC 1370 Survey of Earth Science	3
BIOL 1170 Survey Life Science Lab	<u>1</u>	EPSC 1170 Survey Earth Science Lab	1
		EDSE 3305 Intro Special Ed	<u>3</u>
Total	13		16
JUNIOR YEAR		JUNIOR YEAR	
EDSE 3310 High Incident Disabilities	3	EDCI 3301 Thry&Pract Pub Schl Tch	3
ENGL 3323 Children's Literature	3	EDCI 3302 Language Acq&Develop	3
MATH 1350 Fundamentals of Math I	3	EDSE 3315 Low Incident Disabilities	3
SOST 4391 Topics in Social Studies	3	EDSE 3325 Man Special Ed Classrm	3
EDRD 3309 Tchg Reading in Schools	<u>3</u>	EDSE 4360 Tch Ch Em Dstb&Aut	3
		MATH 1351 Fundamentals of Math II	<u>3</u>
Total	15		18
SENIOR YEAR		SENIOR YEAR	
EDCI 3304 Methods,Mgt&Discipline	3	EDRD 3311 Classrm Diag&Remed	3
EDSE 4315 Adaptg Curr Sp Ed	3	EDRD 4305 Rdng Matls Ind Ins	3
EDDP 4324 Teaching Diverse Stu Pop	3	EDCI 4993 Student Teaching	<u>9</u>
EDSE 3320 Msrmt&Eval Special Ed	3		
EDSE 4330 Spec Ed Law&Procedures	<u>3</u>		
Total	15		15

TOTAL SEMESTER CREDIT HOURS: 124

¹Communication, select 3 SCH from COMM 1311, ENGL 2311 or HUM 2301.

*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

UNDERGRADUATE EDUCATION

UNDERGRADUATE DEGREE

Bachelor of Science in Nursing (BSN)

DR. F. M. CANSECO SCHOOL OF NURSING

The mission of the Canseco School of Nursing in the College of Nursing and Health Sciences 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.

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.

The Canseco School of Nursing offers a basic (generic) Bachelor of Science in Nursing program with an accelerated track (RN/BSN) for the student who is already a Registered Nurse licensed in Texas.

All prospective nursing students should seek advisement from faculty of 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. Upon completion of prescribed freshman year coursework, including prerequisite science courses, students should submit a record of their grades in freshman year courses, two letters of reference, the signed "acknowledgment of licensure requirements" form and the School of Nursing application form.

ADMISSION REQUIREMENTS - BASIC NURSING STUDENTS

Students are eligible for admission to clinical nursing courses when the following requirements have been met:

1. Acceptance by Texas A&M International University and a declared nursing major.
2. Complete application and supporting documentation received by the School of Nursing by June 1; application must be accompanied by current updated transcript that includes spring grades.
3. Completion of pre-nursing courses in the Canseco School of Nursing: NURS 1302 Cultural Determinants of Health and enrollment in NURS 2212, NURS 2310, NURS 2313 and NURS 2414 the spring semester prior to application submission.
4. Completion of all core and support area requirements with a minimum cumulative grade point average of 2.5 (on a 4.0 scale) for enrollment in spring pre-nursing coursework.
5. Completion of all four required science courses, with a minimum grade of "C" and a grade point average of 2.5 (on a 4.0 scale), for enrollment in spring pre-nursing coursework.
6. Prerequisite coursework in the sciences must have been completed within five years of the date of admission to the major. The assessment of dated credits and courses requiring updating will be made by the Admission and Progression Committee of the Canseco School of Nursing.
7. Students enrolled in pre-nursing coursework of NURS 2212, NURS 2310, NURS 2313 and NURS 2414 must obtain an overall GPA of 2.5 (on a 4.0 scale) in these courses to submit an application for admission to the school of nursing.

8. Score baseline proficiency on the Nurse Entrance Exam: Math, Reading, Vocabulary, and Grammar. The test is administered by the School of Nursing to students meeting criteria 1-7 above. Scores on the entrance exam will be considered in the admission process.
9. At student expense, verification of drug and criminal background screening by a company or agency designated by the School of Nursing and due no later than June 1.
10. Student must have documentation, no later than June 1, of a current physical examination with no restriction (less than 1 year old), American Heart Association Health Care Provider CPR certification, and the following immunization: DTAP, Varicella or titer, MMR, TB skin test or chest x-ray (less than three years old), Hepatitis B vaccine or informed refusal.

TRANSFER APPLICANTS

Transfer applicants must meet the same academic criteria for admission to Clinical Studies as stipulated above for pre-clinical students. Admission is competitive and contingent on available space. Applicants must meet all admission requirements of the University, and in addition, must meet the following criteria:

1. Accepted into the school of nursing on space available basis only.
2. Have a GPA of 2.5 overall and on all previous required nursing course work.
3. Have four hours required science courses within the last 5 years with a GPA of 2.5.
4. Have completed all previous nursing course work within the previous 24 months.
5. Meet all other university requirements for transfer and be eligible for a degree from TAMIU.
6. At student expense, verification of drug and criminal background screening by a company or agency designated by the School of Nursing by date of application.
7. Student must have documentation of a current physical examination with no restriction (less than 1 year old), American Heart Association Health Care Provider CPR certification, and the following immunization: DTAP, Varicella or titer, MMR, TB skin test or chest x-ray (less than three years old), Hepatitis B vaccine or informed refusal.

Criteria for acceptance of transfer work are as follows:

1. Courses taken in nutrition will be evaluated for course transferability.
2. Courses in foundations, skills, and pathophysiology will be evaluated for course compatibility with the SON Credit may be given for these courses if passed with a grade of C or better and taken within the last 24 months.
3. Introductory medical surgical/adult health nursing, pediatric nursing, mental health nursing, maternity nursing, and health assessment may be accepted provided the courses are deemed equivalent after review of course level, content and hours. In addition, these courses must be validated by a score of 75% or better on a predictive exam (exam is usually, but not limited to, the final exam used in the course). These courses, if taken at another college/university, must have been taken at the advanced level (3000-4000).
4. Students applying for transfer must have a letter from the transferring institution indicating that the student is transferring in good standing.

STUDENT SELECTION

If at any time the number of qualified applicants should exceed the faculty and facilities available, the Admission and Progression Committee will determine the final selection of students based upon the completion and grade point average on prerequisite core curriculum and support area courses, pre-nursing courses and grades on the Nurse Entrance Exam. Any student who meets admission requirements but is unable to enroll in a year needs to re-apply by June 1 of the following year.

DECLARATORY ORDER REQUIREMENTS OF TEXAS BOARD OF NURSE EXAMINERS

A petition for Declaratory Order must be submitted by the nursing candidate/applicant if one of the following criteria apply:

- I. For any criminal offense, including those pending appeal, has the candidate/applicant:
 - A) been convicted of a misdemeanor?
 - B) been convicted of a felony?
 - C) pled *nolo contendere*, no contest, or guilty?
 - D) received deferred adjudication?

- E) been placed on community supervision or court-ordered probation, whether or not adjudicated guilty?
- F) been sentenced to serve jail or prison time? court-ordered confinement?
- G) been granted pre-trial diversion?
- H) been arrested or have any pending criminal charges?
- I) been cited or charged with any violation of the law?
- J) been subject of a court-martial; Article 15 violation; or received any form of military judgment/punishment/action?

(Only exclude Class C misdemeanor traffic violations.)

Note: Expunged and Sealed Offenses: While expunged or sealed offenses, arrests, tickets, or citations need not be disclosed, it is the applicant's responsibility to ensure the offense, arrest, ticket or citation has, in fact, been expunged or sealed. It is recommended that the applicant submit a copy of the Court Order expunging or sealing the record in question with the application. Failure to reveal an offense, arrest, ticket, or citation that is not in fact expunged or sealed, will at a minimum, subject the license to a disciplinary fine. Non-disclosure of relevant offenses raises questions related to truthfulness and character.

NOTE: Orders of Non-Disclosure: Pursuant to Texas Government Code § 552.142(b), if the applicant has criminal matters that are the subject of an order of non-disclosure the applicant is not required to reveal those criminal matters on this form. However, a criminal matter that is the subject of an order of non-disclosure may become a character and fitness issue. Pursuant to other sections of the Government Code, chapter 411, the Texas Nursing Board is entitled to access criminal history record information that is the subject of an order of non-disclosure. If the Board discovers a criminal matter that is the subject of an order of non-disclosure, even if the applicant properly did not reveal that matter, the Board may require that the applicant provide information about any conduct that raises issues of character.

In addition, a petition for Declaratory Order must be submitted if the nursing candidate/applicant answers YES to the following questions:

- II. Are you currently the target or subject of a grand jury or governmental agency investigation?
- III. Has any licensing authority refused to issue you a license or ever revoked, annulled, cancelled, accepted surrender of suspended, placed on probation, refused to renew a license, certificate or multi-state privilege held by you now or previously, or ever fines, censured, reprimanded or otherwise disciplined you?
- IV. Within the past five (5) years have you been addicted to and/or treated for the use of alcohol or any other drug?*
- V. Within the past five (5) years have you been diagnosed with, treated, or hospitalized for schizophrenia and/or psychotic disorders, bipolar disorder, paranoid personality disorder, antisocial personality disorder, or borderline personality disorder?*

If "YES" is answered to any question I-V, the applicant must provide a signed and dated letter describing the incidence(s) that is being reported to the Texas Board of Nursing. The applicant may indicate "NO" if he/she has completed and/or is in compliance with Texas Peer Assistance Program for Nurses (TPAPN) for substance abuse or mental illness.

Documentation requirements and forms for Declaratory Order Application may be found at <http://bon.state.tx.us/olv/pdfs/DOapp.pdf>

ADMISSION REQUIREMENTS-RN/BSN STUDENTS

Registered Nurses seeking admission to the RN/BSN program apply directly to the School of Nursing. Admission to the University does not automatically guarantee admission to the School of Nursing. All students entering the RN/BSN track are considered transfer students and accepted into the BSN program on a space available basis. In addition to completing all requirements for general admission to the University, the student must meet the following criteria:

1. Completion of a School of Nursing Application (in addition to the University application form).
2. Acceptance by Texas A&M International University.
3. Evidence of current licensure without restrictions as a Registered Nurse in Texas.

4. A 2.5 (on a 4.0 scale) or better cumulative grade point average (GPA) in all previous subjects taken.
5. A 2.5 (on a 4.0 scale) or better cumulative grade point average in all previous nursing coursework.
6. All University core coursework completed before taking NURS 4522 Community Nursing.
7. At student expense, verification of drug and criminal background screening by a company or agency designated by the School of Nursing by date of application.
8. Students must have documentation of a current physical examination with no restriction (less than 1 year old), American Heart Association Health Care Provider CPR certification, and the following immunization: DTAP, Varicella or titer, MMR, TB skin test or chest x-ray (less than three years old), Hepatitis B vaccine or informed refusal by date of application.
9. RN/BSN students must enter in the fall.
10. Requests for exceptions from GPA or other admission requirements, supported by evidence of extenuating circumstances, will be considered by the School of Nursing Admissions and Progression Committee only after an official School of Nursing Application has been filed. Such consideration for exceptions will be based on the individual student's work performance, academic record, and motivation to continue professional advancement.
11. At the time of entry, the student will be assigned a faculty advisor and be given a degree plan for completion of courses. Any change in degree plan must be made in writing and approved by the appointed advisor. All changes are subject to space availability.

STUDENT HEALTH REQUIREMENTS FOR CLINICAL NURSING COURSES

In order to be eligible for coursework involving direct patient care experiences all students must provide evidence of current Rubella, Varicella, and DT immunization, PPD or chest X-ray, Hepatitis B vaccines or signed informed refusal, and current physical examination certifying good health/no restrictions.

REASONABLE 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 accommodate should be directed to:

Texas A&M International University
 Student Counseling and Disability Services for Students
 University Success Center 138
 (956) 326-2230

GRADING POLICIES

The Canseco School of Nursing has adopted a grading scale in line with other Texas Schools of Nursing, as required by the Board of Nurse Examiners:

A - 93-100
B - 84-92
C - 75-83
F- 74 and below

Nursing students must achieve a grade of C or better and pass both clinical and theory components of a course in order to pass that course.

ATTENDANCE POLICY

The Canseco School of Nursing adheres to the Texas A&M International University classroom attendance policy as stated in the current catalog. In addition, each course has specific attendance requirements for both classroom and clinical activities in order to comply with accreditation requirements.

COURSE POLICIES

Each course syllabus includes a statement of course policies. These may be more, but not less, stringent than overall school or university policies.

BSN PROGRAM ADD, DROP, WITHDRAWAL, AND INCOMPLETE GRADES

The School of Nursing follows the general policies of Texas A&M International University as outlined in the catalog with respect to add, drop, withdrawal and incomplete grades. In addition, the following policies apply to Nursing Courses:

1. The faculty of the School of Nursing supports the idea that the use of an "I" or "W" to hide unsuccessful performance is inappropriate.
2. After the 10th week or 2/3 of class both the course faculty and the Dean must approve the withdrawal adds or drops must be signed by School of Nursing faculty.
3. All students must maintain a satisfactory (2.00) grade point average:
 - a. Cumulative (includes General Education/Liberal Arts and Nursing).
 - b. Professional (includes only nursing courses). It should be noted that admission to a master's program usually requires a 3.0 GPA in the major at the baccalaureate level.
4. Students must achieve a "C" (2.00) or better in each nursing course. A student may not continue in subsequent courses for which the failed course is prerequisite until a minimum of "C" has been achieved.
5. A student receiving an "F" grade in either the theory or the clinical portion of any nursing course will fail the course.
6. Students may repeat a nursing course, as space is available, only once to raise the grade to "C" or above.
7. Students will automatically and permanently be ineligible to continue in the nursing program if:
 - a. Two F's are earned in the same Nursing course.
 - b. Any nursing course is taken three times, withdrawal or failure, or a combination of both, without earning a "C" or better.
 - c. There is failure of two nursing course, excluding NURS 1302, NURS 2310 and NURS 4290.
8. Students may receive an "I" (incomplete) in a course, in keeping with TAMIU policy. The student and course faculty will contract for completion of course requirements.
9. Students who are unable to maintain active continuous enrollment at TAMIU School of Nursing must apply for a Leave of Absence from the School in order to remain in good standing. Such students will be permitted to re-enter the School of Nursing on a space available basis and will be given priority for available space.

ACADEMIC PROBATION

Probationary status is a warning to a student to improve his/her academic performance in order to remain in the program.

1. A student is placed on probation if she/he does not maintain a minimum cumulative grade point average of 2.00. The final grade report will carry official notice of academic probation.
2. A student is placed on probation if she/he does not maintain a minimum grade point average of 2.00 in nursing courses. The School of Nursing notifies the student of professional probation.
3. A GPA must be returned to minimum of 2.00 to remove probationary status. Students will have 30 semester credit hours in which to remove probationary status.
4. Restriction: Students on probation are not eligible to represent the School of Nursing in any student activity/committees.
5. Students who fail to attain a 2.00 cumulative grade point average for two full-time consecutive semesters will be suspended from the School of Nursing.
6. Students suspended from clinical studies because of a low grade point average may return after a semester, on a space available basis, and take prescribed courses to raise their grade point average. Students unable to raise their grade point average to 2.00 within one semester after returning from suspension will be dismissed from the School of Nursing.
7. Students may also be dismissed from clinical 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.
8. Academic suspensions and dismissals are nonreversible. However, a student may appeal the course grade which resulted in suspension or dismissal within one semester of the award of the grade. (See grievance procedure.)

RE-ADMISSION TO THE SCHOOL OF NURSING

Students not enrolled in Clinical Nursing Courses for two consecutive semesters or formally dismissed will be placed on inactive status. Applicants for re-admission to the School of Nursing must be eligible for re-admission to the University. Decisions will be made by the School of Nursing Admissions Committee. The deadlines for regular admission apply to students seeking re-admission. However, admission will be on a space available basis. Re-admission application materials are available from the Office of the Dean, College of Nursing and Health Sciences.

GRADUATION REQUIREMENTS

The School of Nursing adheres to all general requirements and procedures of the university for graduation. For deadlines and requirements, see TAMIU catalog. In their final year, students need to verify with their advisors that all requirements for graduation and/or honors have been met. In addition, students are eligible to apply for graduation when the following conditions are met:

1. completion of required semester credit hours
2. a cumulative GPA of 2.00
3. completion of all clinical studies coursework

ELIGIBILITY FOR GRADUATION IN BASIC NURSING

Satisfactory performance on all nursing coursework as designated by the School of Nursing to validate potential successful performance on the National Council Licensure Examination is required for basic students to be eligible for graduation.

1. All students in the final semester of the clinical nursing program will enroll in NURS 4290: Senior Lab Seminar.
2. Students who fail to demonstrate satisfactory performance in all nursing coursework will not be eligible for graduation.
3. A student who does not achieve a satisfactory grade of 75 in all final semester coursework will be required to re-enroll in the affected course(s) the next time it is offered.

Degree Requirements for the Bachelor of Science in Nursing.

1. 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" and the **Dr. F. M. Canseco School of Nursing** sections of this catalog.

2. University Core Curriculum: **41** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation". Wellness/Activity requirement met within nursing courses.

3. Other Education Requirements: **11** SCH including BIOL 2415 or 2421, CHEM 1406 or any 4 SCH Chemistry with Lab and MATH 1342.

4. Major: **68** SCH. Nursing courses for the Basic BSN include NURS 1302, 2212, 2310, 2313, 2414, 3315, 3405, 3525, 3526, 3558, 3665, 4170, 4263, 4290, 4340, 4522, 4665 and 4670.

5. Nursing courses for the RN/BSN include NURS 3302, 3315, 3405, 3414, 3590, 4263, 4299, 4340, 4522, and 4670.

BACHELOR OF SCIENCE IN NURSING

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements and the requirements of the Dr. F. M. Canseco School of Nursing.**

**See the University Core Curriculum Requirements in Appendix A for approved list of course options.*

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 2401 Anatomy & Physiology I	4	BIOL 2402 Anatomy & Physiology II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
MATH 1314 College Algebra	3	NURS 1302 Cultural Determinants	3
PSYC 2301 Intro to Psychology	<u>3</u>	Communication ¹	3
		Visual/Performing Arts*	<u>3</u>
Total	13		16
		SUMMER	
		ENGL Survey of Literature*	3
		HIST 1301 The U.S. to 1877	3
		MATH 1342 Introductory Statistics	3
		PSCI 2305 American National Govt	<u>3</u>
Total			12
SOPHOMORE YEAR		SOPHOMORE YEAR	
BIOL Microbiology ²	4	NURS 2212 Found of Profsnl Nurs	2
CHEM Chemistry ³	4	NURS 2310 Nutrition	3
HIST 1302 The U.S. Since 1877	3	NURS 2313 Basic Nursing Skills	3
PSCI 2306 American State Govt	<u>3</u>	NURS 2414 Pathophysiology	<u>4</u>
Total	14		12
JUNIOR YEAR		JUNIOR YEAR	
NURS 3315 Health Assessment ⁴	3	NURS 3405 Scholarly Inquiry ⁴	4
NURS 3525 Childbearing Nursing ⁴	5	NURS 3526 Child Health Nursing ⁴	5
NURS 3665 Intro Adult Hlth Nurs ⁴	<u>6</u>	NURS 3558 Mental Health Nursing ⁴	<u>5</u>
Total	14		14
SENIOR YEAR		SENIOR YEAR	
NURS 4263 Ethical and Legal Issues	2	NURS 4170 Professional Role Preceptor	1
NURS 4522 Community Health Nurs ¹	5	NURS 4290 Senior Lab Seminar ¹	2
NURS 4665 Adv Adult Health Nurs ¹	<u>6</u>	NURS 4340 Global Health Nurs ¹	3
		NURS 4670 Comp Emergent Care	<u>6</u>
Total	13		12

TOTAL SEMESTER CREDIT HOURS: 120

¹Communication, select 3 SCH from COMM 1311, COMM 1315, ENGL 2311, HUM 2301, or MATH 2371.

²Microbiology, select from BIOL 2415 or 2421.

³Chemistry, select CHEM 1406 or any 4 SCH chemistry with lab.

⁴All courses required for completion of the basic Bachelor of Science in Nursing degree can be completed in four calendar years of full time study, including eight long semesters and one summer. The ten nursing courses required for completion of the degree Bachelor of Science in Nursing for Registered Nurses can be completed in three long semesters and one summer of full time study. Information on tuition, fees, and length of program for accredited U.S. Nursing Programs is available from the National League for Nursing Accrediting Commission, 3343 Peachtree Road NE, Suite 500, Atlanta, GA 30326, P. 404.975.5000, F. 404.975.5020, www.nlnac.org.

*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 NURSING (RN/BSN)

Registered Nurse students are admitted in the Spring semester on a space available basis and upon completion of all core coursework. Students are responsible for reviewing the Program of Study Requirements and the requirements of the Dr. F. M. Canseco School of Nursing.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
		NURS 3302 Cultural Determinants	3
		NURS 3405 Scholarly Inquiry	4
		NURS 3414 Pathophysiology	<u>4</u>
Total			11
		SUMMER	
		NURS 3590 Nurs Role and Transition	<u>5</u>
Total			5
SENIOR YEAR		SENIOR YEAR	
NURS 3315 Health Assessment	3	NURS 4299 Current Topics	2
NURS 4263 Ethical and Legal	2	NURS 4340 Global Health	3
NURS 4522 Community Health Nurs	<u>5</u>	NURS 4670 Emergent Care	<u>6</u>
Total	10		11

**Upon successful completion of the NURS 3590 and designated exam(s), 31 credits (10 upper division and 22 lower division) will be transferred in for previous nursing coursework.

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, including eight long semesters and one summer. The ten nursing courses required for completion of the degree Bachelor of Science in Nursing for Registered Nurses can be completed in three long semesters and one summer of full time study. Information on tuition, fees, and length of program for accredited U.S. Nursing Programs is available from the National League for Nursing Accrediting Commission, 3343 Peachtree Road NE, Suite 500, Atlanta, GA 30326, P. 404.975.5000, F. 404.975.5020, www.nlnac.org.

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

ACADEMIC REGULATIONS

GRADUATE

ACADEMIC REGULATIONS - GRADUATE

The aim of graduate academic work at Texas A&M International University is to provide an opportunity for further study in chosen fields. Such study should lead to greater breadth, but especially to greater depth of knowledge in the field selected. Emphasis is placed on (1) how to find knowledge, (2) how to evaluate it, (3) how to organize it, and (4) how to apply it.

GRADUATE ADMISSION REQUIREMENTS

A person who has earned a baccalaureate degree and is earning university credit hours is considered a graduate student.

IMPORTANT: Students must visit the Office of Graduate Studies and Research for program admission information/requirements.

The Office of Graduate Studies and Research receives and processes the application and any additional documentation, and coordinates the evaluation of the application by the college or department Graduate Admissions Committee and informs the applicant of the program admission decision.

To be admitted to the University as a Graduate or Post-Graduate Student, an applicant must submit the following information to the Office of Graduate Studies and Research: (For additional requirements see Graduate Admission Requirements under Student Services and in each College).

1. **Application for Graduate Admission.**
2. **Graduate Application Fee of \$35.00; late fee, \$25.00.** (Refer to Admissions Deadlines section)
3. **Official college/university transcript(s)** from institutions other than Texas A&M International University must be sent directly from each institution attended. Degree must be posted on transcript. The degree must be from a college or university of recognized standing with degrees from institutions outside the US evaluated for equivalence to US degrees.
4. The **Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT)** scores are required only if pursuing a degree with the exception of COED that requires GRE scores for all graduate work that will lead to a degree. Official test scores must be sent directly from Educational Testing Service (ETS) and dated within five years of enrollment. No admission decision will be made prior to the receipt of an official GRE or GMAT score.
 - ◆ The **College of Arts and Sciences** requires the GRE from all applicants, with the exception of the MPA program which will accept the GMAT in lieu of the GRE. Spanish majors are required to take an additional departmentally administered examination.
 - ◆ The **A. R. Sanchez, Jr. School of Business** requires the GRE or GMAT from all applicants. Students pursuing the MBA taught in Spanish may choose to take the *Examen de Admisión*. No admission decision will be made prior to the receipt of an official GMAT, GRE, or *Examen de Admisión* scores.
 - ◆ The **College of Education** requires the GRE from all applicants pursuing a degree.
 - ◆ The **College of Nursing and Health Sciences** requires the GRE from all applicants.
 - ◆ **College of Arts and Sciences** and the **College of Education** applicants who have already obtained a masters or law degree from a regionally accredited institution are exempt from the GRE.
5. The **Test of English as a Foreign Language (TOEFL)** 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) or 550 (Paper-based) is required.

For Ph.D. in International Business Administration applicants, a minimum TOEFL score of 100 (ibt TOEFL) or 600 (paper-based) 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.

This score must be sent directly from the Educational Testing Service (ETS) and dated within two (2) years of enrollment.

Note: International students must also complete requirements listed under International Student Admission.

Provisional admission may be granted to students who have not submitted all documents or test scores for admission and allowed to attend for one semester (i.e., enroll in up to 6 graduate semester credit hours and earn a 3.0 or better grade point average.) 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.

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, departmental requirements or lack of appropriate background for the chosen master's program. Probationary status 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 any additional requirements.

Non-degree Applicants: 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.

Deferment of Admission: Students wishing to defer their offer of admission can do so using the Leave of Absence Form available from the Office of Graduate Studies and Research. Deferrals will only be granted for a term of up to one year from the offer of admissions. Students who defer their admission for more than one year will have to reapply.

To meet the minimum admission requirements, the following formula is used:
(Upper-Level GPA X 200 + GRE Verbal + GRE Quantitative)

Applicants with formula scores **above 1500** will be **fully admitted** into their graduate program.

Applicants with formula scores **between 1200 and 1499** will be admitted to their graduate program under **Probationary Admission** status.

All other admissions to graduate programs is through departmental admission committees. 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), and professional and/or academic experience.

Students who are not in good standing, who apply to a new graduate program, must be reviewed by the new program's departmental/ program admission committee

Individual departments may require other indicators of potential for success. Applicants should check the specific program admission requirements. Contact the Dean's Office in the College or School for additional information.

The **College of Arts and Sciences (COAS)** reviews applicants prior to the beginning of each long semester. **All COAS master program applicants must submit satisfactory GRE scores to be admitted, with the exception of the MPA program which will accept the GMAT in lieu of the GRE*.** Spanish majors must also pass a departmentally administered examination. *Exception to the GRE requirement: applicants who have already obtained a masters or law degree from a regionally accredited institution are exempt from the GRE.

The **A. R. Sanchez, Jr. School of Business (ARSSB)** Graduate Admissions Committee will make admission recommendations based upon review of the applicant's portfolio, which must include, at a minimum, the applicant's upper level grade point average, standardized test scores (e.g., GMAT/GRE/*Examen de Admisión*), statement of purpose, résumé, and two letters of recommendation. Students admitted with conditions must satisfactorily complete those conditions 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: November 30th, April 30th, and July 30th. Applicants are reviewed on the basis of their completed application for graduate school, academic record as reflected on transcripts, GRE scores, letters of recommendation, interviews, and other relevant documentation. The College may grant provisional admission for a maximum of six graduate hours to students who have not met the GRE* requirement and who hold a bachelor's degree from an accredited institution. Provisional status must be removed at the end of the six semester credit hours and before any other coursework can be taken. *Exception to the GRE requirement: applicants who have already obtained a masters or law degree from a regionally accredited institution are exempt from the GRE.

The **College of Nursing and Health Sciences** reviews applicants in June prior to the beginning of graduate coursework in Fall. All MSN program applicants must apply directly to the College of Nursing and Health Sciences.

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.

GRADUATE ADMISSION AS A SPECIAL NON-DEGREE STUDENT

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.

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 Graduate Studies and Research. 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 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 Studies and Research:

- 1. Application for Graduate Admission.**
- 2. Graduate Application Fee of \$25.00; late fee, \$10.00.**
- 3. Official college/university transcript(s)** Graduate students must 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. The Test of English as a Foreign Language (TOEFL)** 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) or 550 (Paper-based) is required. This score must be sent directly from the Educational Testing Service (ETS) and dated within two (2) years of enrollment.

GENERAL REQUIREMENTS FOR GRADUATE DEGREES:

1. *Character of Graduate Work:* The principal aim of graduate study is to develop in the student the power of independent work. Consequently, the character of work expected of graduate students is different from that of less-advanced students. A wide knowledge of the major subject and related subjects will be expected. To this end, the student will do assigned readings, attend lectures, and conferences, and make use of the library in equipping

himself/herself to do effective study. In the A. R. Sanchez, Jr. School of Business, written and oral communication are important components of each course.

2. *Hours Required:* Thirty to forty-nine 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. *Residence:* All coursework must be taken at this University. See #4 below.
4. *Transfer of Graduate-level Study:* Six hours of graduate level study with a minimum grade of 3.0 (“B”) on a 4.0 scale may be transferred, with the consent of the Department/Division Chair, from other accredited institutions of higher education.
5. *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 and in the minor. No more than six (6) 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 and in the major curriculum courses in Sociology.
6. *Correspondence Work:* In no case will courses taken by correspondence be accepted for graduate credit.
7. *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/six years old, 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.
8. *Conferring of Degrees:* No degree will be conferred except publicly and on Commencement Day of the spring and fall semesters.

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. In general, 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 in a full-time public school teaching position, the University recommends a load of six (6) hours each long semester. Please Note: a graduate student carrying a load of six (6) hours in a long semester will be considered part-time, as per the definition below.

Full-Time: A full-time graduate student is defined as one carrying a minimum load of nine (9) semester credit hours. A graduate student registered for less than nine (9) semester credit hours is considered a part-time student. Full-time during each summer session is a graduate student carrying six (6) semester credit hours.

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/School.**

A graduate student may enroll for up to nine (9) semester hours in one summer session only if he/she meets both of the following criteria:

- needs the nine semester 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 work taken up to the present time. Total semester hours earned in the summer may not exceed fifteen (15) SCH.

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 5000 or above are open only to students with graduate standing. 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 process. 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:

A	90-100, excellent
B	80-89, good
C	70-79, average*
D/F	Below 70, failure
S/CR	Satisfactory (credit)
U/NC	Unsatisfactory (no credit)
IP	In Progress
W	Dropped or withdrawn
I	Incomplete

*No more than two courses 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 and in the Major Curriculum (required) Courses in Sociology.

The College of Nursing and Health Sciences Graduate Program grading policy stipulates the following:

A	90-100
B	81-89
C	75-80
F	74 and below

Nursing students in the graduate program must achieve a grade of "B" or better in both clinical and theory portions of the course in order to pass the course.

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 sign contract, and have on file in the Office of the University Registrar, 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, they 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 by the Dean of the appropriate College/School.

- if the student elects not to complete the course and the signed contract within a period of twelve months, 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”.

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 inform themselves thoroughly concerning the regulations of the University and the course requirements for the degree they seek 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 of the regulation or requirement. Students, therefore, should become familiar with all of the information related to the program contained in the on-line University catalog.

Personal Announcements sent to students through TAMIU’s UConnect Portal and TAMIU E-mail are the official means of communicating course and university business with students and faculty – not the U.S. Mail and no other e-mail addresses. Students and faculty must check UConnect and their TAMIU e-mail accounts regularly, if not daily. Not having seen an important TAMIU e-mail or UConnect message from a faculty member, chair, dean or other University administrator is not accepted as an excuse for failure to take important action. Students, faculty, and staff are encouraged to sign-up for Dusty Alert (see www.tamiau.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.

Each student, by registering, enters some college/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 Dean of the College/School or Director.

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 the following semester(s). During that time a student is responsible for making an appointment with a graduate advisor in the appropriate college/school to discuss the degree plan, determine the courses to be taken during the next semester, and complete the registration form.

A student is not officially enrolled until all fees have been paid.

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.

Waitlist: A student may request to be waitlisted for a closed course. If space becomes available, waitlisted students will be added in the order the requests were received **without prior notification to the student**. 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.

Adding a Course: To add a course to a schedule after initial registration, an add form is obtained in the Office of the University Registrar. A student should obtain permission from his/her assigned faculty advisor to add the course. The faculty advisor must sign the add form. (See Maximum Number of Hours in this section.)

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 permission to audit a course is the Census Date of the semester.

REGISTRATION POLICIES

Definitions - Drop and Withdrawal

A student is "dropping" a course or courses if he or she 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 mail 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 and in this catalog.

If a student chooses not to attend a class or classes, he or she 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 his or her account by a financial assistance agency. 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 section of the catalog for refund schedules.

Withdrawal from the University

Students who find it necessary to withdraw from all courses must notify the Office of the University Registrar in person, by mail or by fax. Refer to the Refund of Fees 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: 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 each student. 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.

CONTINUATION OF GRADUATE STUDIES

Minimum Grade Point Average for Good Standing

To continue in graduate studies, a student is expected to maintain a nominal "B" average (3.0/4.0). This means that the student's record must show a grade of "A" to offset each grade below a "B" on work taken for graduate credit and applicable toward the master's degree. No grade lower than "C" can apply to a master's degree. No grades below "B" will be accepted for the Master of Arts in Counseling Psychology degree and in the major curriculum courses in Sociology. The grade point average accumulated on the permanent record of a student at Texas A&M International University will be

based on course hours and grade points earned by a student on work taken only at this university. Transfer work will be accepted for fulfilling degree and graduation requirements only.

Scholastic Deficiency

If either of a student's cumulative GPA or the GPA for courses listed on the degree plan falls below the minimum of 3.0, he or she will be considered to be scholastically deficient. If the minimum GPA is not attained by the end of next semester of enrollment, the student will be dropped from graduate studies. Students who receive a D, F or more than two Cs for coursework listed on their degree plan will also be dropped from graduate studies. The procedures for dismissal and expulsion are explained in the TAMIU Student Handbook.

Procedures for Dismissal

In the event a graduate student becomes scholastically deficient, he or she may be subject to one of the following actions, initiated by a recommendation from the student's department or graduate advisory committee (listed in order of increasing severity):

1. Warned of scholastic deficiency; **or**
2. Permitted to continue in the program on scholastic probation; **or**
3. Suspended from the university—because of scholastic deficiency; or separated from the university because of scholastic deficiency by one of the following actions:
 - Suspension: Separation of the student from the university 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 university for an indefinite period of time. Readmission to the university may be possible in the future, but no specific time for a decision is established.
 - Expulsion: Permanent separation of the student from the university 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.

A recommendation to suspend, dismiss or expel the student from the university because of scholastic deficiency must be made in writing to the Dean of the Office of Graduate Studies by the department or the student's graduate advisory committee. If the recommendation is made by the advisory committee, it must be signed by all members of the committee.

A graduate student blocked or suspended for deficient scholarship may appeal such a decision through the Graduate Appeals Panel, a committee of three (3) members of the TAMIU Graduate Council.

OTHER PROCEDURES AND POLICIES

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.

Change of Address

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 of local address must also be made with the Office of the University Registrar. Address updates may be made via the web.

Student Conduct

Upon registration, 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, the University student must be acquainted with and bound by the University rules and regulations covering student conduct as stated in the *Student Handbook* which is available on-line or from the Office of Student Affairs.

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

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 to the Vice-President for Student Success.

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

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

Any person reporting a specific hazing incident to the 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 which constitutes hazing.

GENERAL REQUIREMENTS FOR GRADUATION

Residence Requirement: All coursework must be taken at Texas A&M International University. Some graduate-level study may be transferrable from other accredited institutions of higher education. The amount transferrable is determined by the individual College/school. See the appropriate Department/Division Chair about transfer of graduate-level credits.

Correspondence Work: Credit earned by correspondence will not be accepted for graduate credit.

Graduation Under a Particular Catalog: A student may graduate according to the curricular requirements as stated in the catalog of the year in which the student first registered for work in residence at Texas A&M International University; or may be graduated under any later catalog of a year in which the student registered for residence work, provided that requirements are met within five years of the date of the catalog chosen. Also provided that the institution offers the courses listed as requirements in the catalog. Students whose coursework has expired may repeat the expired course(s) or request an appropriate substitute.

Application for Candidacy for Master's or Ph.D. Degree: A student intending to have a master's or Ph.D. 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.

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

Leave of Absence: Under unusual circumstances, a student may petition for a leave of absence. The student's Advisory Committee Chairperson and the Chair of the Department must approve the petition. If the petition is granted, the registration requirement will be set aside during the period of the leave and will not count towards the requirement that the student complete a master's degree within a period of five years or within the time specified for the particular program. Leaves will be granted only under conditions that require the suspension of all activities associated with the thesis.

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.

Additional Master's Degree Policy: In the College of Arts and Sciences, 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 masters program for nine hours of electives. In the A. R. Sanchez, Jr. School of Business, a student seeking a second master's degree must complete twenty-one (21) semester credit hours of graduate-level business courses beyond the coursework in the degree plan(s) for all prior master's degree taken in the ARSSB and must meet all other requirements for the additional 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.

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 help 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 Studies and Research if you are interested in the Pathways to the Doctorate Program.

COLLEGE OF ARTS AND SCIENCES

GRADUATE DEGREES

GRADUATE DEGREES

Master of Arts in Counseling Psychology (MACP) (Thesis and Non-Thesis)
Master of Arts in English (MA) (Thesis and Non-Thesis)
 Rhetoric and Composition Track (Thesis and Non-Thesis)
Master of Arts in History (MA) (Thesis and Non-Thesis)
Master of Arts in Political Science (MA) (Thesis and Non-Thesis)
Master of Arts in Sociology (MA) (Thesis and Non-Thesis)
Master of Arts in Spanish (MA) (Thesis and Non-Thesis)
Master of Public Administration (MPA)
Master of Science in Biology (MS) (Thesis and Non-Thesis)
Master of Science in Criminal Justice (MS) (Thesis and Non-Thesis)
Master of Science in Mathematics (MS) (Thesis and Non-Thesis)
 Mathematics Education Track (Non-Thesis)
Master of Science in Psychology, General Psychology Track (MS) (Thesis)
Master of Science in Psychology, Police Psychology Track (MS) (Non-Thesis)

COLLABORATIVE PH.D. IN HISPANIC STUDIES OFFERED BY TEXAS A&M UNIVERSITY

BIOLOGY GRADUATE PROGRAM ADMISSION REQUIREMENTS

To be admitted to MS in Biology, a candidate must have a bachelor's degree in biology or related field with 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 2.5 and 3.0, the student will be admitted on probation and must earn a B or higher in in the first 12 hours of graduate courses in the program. If the overall GPA or in biology is below 2.5 the student will not be admitted. No GRE will be required for admission to the Master of Science in Biology.

A candidate applying for the MS in Biology without a degree in biology can be admitted if the candidate takes the required stem work. The following are the minimum requirements as preparation for graduate coursework: CHEM 1411, CHEM 1412, CHEM 2423, BIOL 1406, BIOL 1411, BIOL 1413, BIOL 3406, BIOL 3410, BIOL 3412, and BIOL 3413. 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 stem work for the Master in Biology, including chemistry, to be admitted to the program. 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.

Final admission to the MS in Biology program is by approval of the graduate committee of the Department of Biology and Chemistry. (This should be done before course work begins.) 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.

COUNSELING PSYCHOLOGY PROGRAM ADMISSION REQUIREMENTS

All application materials for the Counseling Psychology Graduate Program are due by **March 1 for Fall admission and October 1 for Spring admission**. Students ordinarily begin their graduate studies in the Fall semester, however, with special permission of the Chair of the Department of Behavioral Sciences, the student may begin graduate studies during the summer session. To be considered for admission to the Master of Arts in Counseling Psychology Program, the student must complete the following requirements before **March 1 or October 1**.

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 Behavioral Sciences.
3. Have a bachelor's degree and have satisfactorily completed the following prerequisite courses: PSYC 3302, PSYC 4301, PSYC 4303, and PSYC 4308.
4. Have submitted scores for the Graduate Record Examination (GRE) General Test.

5. Have completed a personal interview with the Counseling Psychology Graduate Admissions Committee, which is scheduled during the month of April or November.

Students accepted for admission to the Counseling Psychology Graduate Program will be notified of general information and orientation meeting held during the month of August for the Fall admission and December for Spring admission. The purpose of this meeting will be to outline departmental expectations of students, to provide orientation to institutional and departmental procedures, and to provide other information that may be of use to graduate students.

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.

CRIMINAL JUSTICE GRADUATE PROGRAM ADMISSION REQUIREMENTS

All application materials for the Master of Science in Criminal Justice are due by the date provided by the Office of Graduate Studies and Research to be considered for full admission. Students are able to apply and begin their graduate programs in the Fall, Spring, or Summer (to begin in the Summer, the application materials must be received by the due date for Spring). To be considered for admission to the Master of Science in Criminal Justice, the student must complete the following requirements prior to the application deadline:

1. Completed an application for graduate studies.
2. Paid application fee.
3. Submitted transcripts from all colleges/universities attended.
4. Submitted a Personal Narrative.
5. Earned a 2.5 GPA overall if degree earned within last 5 years or 2.0 GPA if degree was earned more than 5 years ago.
6. Submitted two letters of recommendation from academic or professional sources sent to the Office of Graduate Studies and Research and to the Department of Behavioral Sciences. Academic letters must come from outside of the Criminal Justice faculty.
7. Submitted scores from the Graduate Record Examination (GRE) General Test.
8. Submitted a Writing Sample of Scholarly work.

In addition, the admissions committee may request a personal interview with the applicant.

MATHEMATICS PROGRAM ADMISSION REQUIREMENTS

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.

- Satisfaction of all other requirements of Texas A&M International University for graduate admission, including the Graduate Record Examination (GRE). GRE scores must be received by the Office of Graduate Studies and Research before admission to the MS degree program.
- Students must submit transcripts from all institutions attended and two sealed letters of reference (at least one of which must be from faculty outside the departmental graduate admission committee) together with GRE scores to the Office of Graduate Studies and Research (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.

Stem Work

It is strongly recommended that a student seeking an MS degree in Mathematics should have a bachelor's degree with a major in Mathematics or related field. However, if a student is seeking an MS degree in Mathematics without a Bachelors in Mathematics, then the following are the minimum requirements as preparation for the graduate coursework: MATH 1316 (or MATH 2412), MATH 2413, MATH 2414, MATH 2415, MATH 3310, MATH 3320 (or MATH 3325), MATH 3360, MATH 3365, MATH 4310, MATH 4335. The student's advisor and/or committee may require additional courses if thought necessary to prepare the student for a specific field in mathematics.

APPLYING FOR THE MASTER OF ARTS IN SPANISH

For admission to the Master of Arts Program in Spanish, applicants must also pass a departmentally administered examination of their reading knowledge of English and of their writing ability in Spanish in addition to the GRE.

GRADUATE DEGREE REQUIREMENTS

See Academic Regulations - Graduate Degrees for specific TAMU regulations.

1. *Major/Minor Requirements:* Twenty-four to thirty-three hours in a major subject and six to twelve hours in a minor.
2. *Concentrations:* Eighteen hours in each of two areas of concentration.
3. *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 six hours as non-degree seeking. These courses may not be applicable to a degree program.

Students seeking admission to the Graduate School in the College of Arts and Sciences must apply by **November 30** for the Spring Semester and **April 30** for the Fall Semester.

To be considered for admission to the **Master of Arts in Counseling Psychology**, students must complete additional admission requirements before **March 1** for Fall Semester or **October 1** for Spring Semester.

Students wishing to change degree plans must re-apply to the University. College of Arts and Sciences students who do not enroll for course work in a subsequent semester, are required to complete a "Leave of Absence" form.

4. *Prerequisites (Stem work):* Twelve advanced semester hours in the major subject and 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.
5. 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.
6. *Thesis/Interdisciplinary Study:* This is defined as a professional paper in the major field. All required course work must be completed before thesis is started.
7. *Written Comprehensive Examination:* A comprehensive examination shall be passed by the candidate covering the major and minor fields, and each will be VALID FOR ONE YEAR. Exams will be given each long semester. If the exam is failed three times, the entire program will need to be repeated.
8. *Oral Comprehensive Examination:* Oral exams must be completed by mid-November or mid-April.
9. *Thesis Defense:* Thesis must be successfully defended before the faculty advisory committee for completion of graduate degree program.
10. *Undergraduate Courses for Graduate Credit:* With the permission of the faculty advisor, up to six (6) credit hours of 4000-level courses, as indicated in the course descriptions, may be taken for graduate credit in the entire degree plan. These courses must include extra work over and above regular undergraduate syllabus requirements. Such work shall be prearranged with the course instructor.
11. *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 masters program for nine hours of electives.
12. *In Absentia:* 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.
13. *Leave of Absence:* Under unusual circumstances, a student may petition for a leave of absence. The student's Advisory Committee Chairperson and the Chair of the Department must approve the petition. If the petition is granted, the registration requirement will be set aside during the period of the leave and will not count towards the requirement that the student complete a master's degree within a period of five years or within the time specified for the particular program. Leaves will be granted only under conditions that require the suspension of all activities associated with the thesis.
14. *Combined BA/MA Degree:* Undergraduate students with majors in English, History, Political Science, Sociology or Spanish may pursue a combined BA/MA program. Students with an overall GPA of 3.2 or higher and a field GPA of 3.5 or higher (after completing at least six 3000-4000 level SCH; 9 SCH in Political Science with 3 SCH at the 3000-

4000 level) may apply for admission to the Master of Arts program during their junior year. 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 will need to complete all admission requirements to the program during their junior year. This includes: Application to the University for admission to graduate study and submission of an official copy of the student's undergraduate transcript to the Dean of Graduate Studies and Research. The student must also submit two letters of recommendation, one from the student's faculty advisor and one from another faculty member. The GRE requirement for the Combined BA/MA will be waived so long as the student maintains continuous registration (fall and spring semesters) through completion of the MA program. The GRE waiver applies to the Combined BA/MA only. Interruption of progress toward the degree may result in the requirement to reapply to the program and include meeting the GRE requirement.

Students seeking the BA/MA degree in English, Political Science, Sociology or Spanish may count nine SCH of graduate coursework taken during the senior year toward both undergraduate and graduate degree requirements. Students electing to complete the BA/MA in English, Sociology or Spanish are eligible for either the thesis or non-thesis option; in the non-thesis option, unlike the traditional non-thesis MA in English, Sociology or Spanish there is no minor curriculum requirement.

Students seeking the BA/MA degree in History may count six SCH of graduate coursework taken during the senior year toward both undergraduate and graduate degree requirements. Students electing to complete the BA/MA in History are eligible for either the thesis or non-thesis option; in the non-thesis option, unlike the traditional non-thesis MA in History, there is no minor curriculum requirement.

15. *Minor in Information Systems.* This minor is available in COAS degree programs which include 9 semester credit hours in a minor. Students pursuing the graduate minor in IS must satisfactorily complete the prerequisite MIS 5300-Information Systems Concepts, or the equivalent undergraduate course, MIS 3310-Management Information Systems. The minor will consist of three courses, completed with a grade of "B" or better, from the following: MIS 5330, MIS 5340, MIS 5350, MIS 5360, MIS 5370, MIS 5380, MIS 5390, and MIS 5399.

**MASTER OF ARTS IN COUNSELING PSYCHOLOGY
THESIS PLAN**

MAJOR CURRICULUM - PSYCHOLOGY **33 SCH**

Required courses:

PSYC	5301	Introduction to Counseling and Psychotherapy	
PSYC	5303	Theories of Counseling and Psychotherapy	
PSYC	5305	Human Development Across the Life-Span	
PSYC	5307	Psychopathology	
PSYC	5310	Ethical, Legal and Professional Issues in Counseling	
PSYC	5315	Group Counseling and Psychotherapy	
PSYC	5320	Research Design and Statistics	
PSYC	5331	Appraisal Techniques	
PSYC	5336	Multicultural Issues in Counseling	
PSYC	5337	Community Mental Health for Diverse Populations	OR
PSYC	5338	Alcohol/Drug Counseling: Theory and Practice	
PSYC	5340	Career Counseling and Development	

Two electives chosen from: **6 SCH**

PSYC	5324/5325/5327/5329/5135-5335/5337/5338/5355/5395		
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SUPERVISED CLINICAL EXPERIENCE **6 SCH**

PSYC	5350	Counseling Practicum	
PSYC	5352	Counseling Internship I	

THESIS **3 SCH**

Successful completion of twenty-eight hours of the Major Curriculum (including PSYC 5320) and Written Comprehensive Exam is required prior to enrolling in PSYC 5399

PSYC	5399	Thesis	
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TOTAL **48 SCH**

**MASTER OF ARTS IN COUNSELING PSYCHOLOGY
NON-THESIS PLAN**

MAJOR CURRICULUM - PSYCHOLOGY **33 SCH**

Required courses:

PSYC	5301	Intro to Counseling and Psychotherapy	
PSYC	5303	Theories of Counseling and Psychotherapy	
PSYC	5305	Human Development Across the Life-Span	
PSYC	5307	Psychopathology	
PSYC	5310	Ethical, Legal and Professional Issues in Counseling	
PSYC	5315	Group Counseling and Psychotherapy	
PSYC	5320	Research Design and Statistics	
PSYC	5331	Appraisal Techniques	
PSYC	5336	Multicultural Issues in Counseling	
PSYC	5337	Community Mental Health for Diverse Populations	OR
PSYC	5338	Alcohol/Drug Counseling: Theory and Practice	
PSYC	5340	Career Counseling and Development	

Two electives chosen from: **6 SCH**

PSYC	5324/5325/5327/5329/5335/5338/5355		
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SUPERVISED CLINICAL EXPERIENCE **9 SCH**

PSYC	5350	Counseling Practicum	
PSYC	5352	Counseling Internship I	
PSYC	5354	Counseling Internship II	

TOTAL **48 SCH**

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.

**MASTER OF ARTS IN ENGLISH
THESIS PLAN**

REQUIRED ENGLISH COURSES			24 SCH
Research and Criticism			
ENGL	5345	Survey of European Literary Criticism OR	3
ENGL	5350	Theory and Practice of Literary Criticism	
Methodology			
ENGL	5301	Pedagogical Theory and Practice OR	3
ENGL	5302	Introduction to the Profession	
Literature Requirement			
Select one course from each of the following fields and periods:			
		English Literature to 1700	3
		English Literature from 1700 to Present	3
		American Literature to 1700	3
		American Literature from 1700 to Present	3
Electives			
Student may choose any graduate-level English to complete required coursework			6
THESIS²			6 SCH
ENGL	5398	Thesis	
ENGL	5399	Thesis	

TOTAL **30 SCH**

¹Student must have completed all coursework in order to be eligible to register for ENGL 5398.

**MASTER OF ARTS IN ENGLISH
NON-THESIS PLAN**

MAJOR CURRICULUM - ENGLISH			27 SCH
Research and Criticism			
ENGL	5345	Survey of European Literary Criticism OR	3
ENGL	5350	Theory and Practice of Literary Criticism	
Language Studies			
ENGL	5301	Pedagogical Theory and Practice OR	3
ENGL	5302	Introduction to the Profession	
Literature Requirement			
Select one course from each of the following fields and periods:			
		English Literature to 1700	3
		English Literature from 1700 to Present	3
		American Literature to 1700	3
		American Literature from 1700 to Present	3
Electives			
Student may choose any graduate-level English to complete required coursework			9
MINOR CURRICULUM OR ENGLISH ELECTIVES¹			9 SCH

Three **graduate** courses **from one discipline**, at least one of which must be at the 5000 level, or three additional graduate English courses.

TOTAL **36 SCH**

¹Select from CRIJ/HIST/IS/PSCI/PSYC/SOCI/SPAN. Students contemplating doctoral work in English may elect to omit the minor curriculum and take nine more hours of English.

Note: See COLLEGE OF ARTS AND SCIENCES - UNDERGRADUATE DEGREES for information on the combined BA/MA degree in English.

No more than six hours at the 4000 level may be applicable to the degree.

**MASTER OF ARTS IN ENGLISH
RHETORIC AND COMPOSITION TRACK
THESIS PLAN**

MAJOR CURRICULUM - RHETORIC AND COMPOSITION

24 SCH

Rhetoric Required Courses*:

Three courses chosen from:

ENGL	5304	Studies in Language
ENGL	5330	History of Rhetoric from the Classical Period through the 18 th Century
ENGL	5331	History of Rhetoric from the 19 th Century to the Present
ENGL	5365	Seminar in Rhetoric

One course chosen from:

ENGL	5301	Problems in the Teaching of English
ENGL	5353	Grant Writing
ENGL	5360	Advanced Technical Writing

Research and Criticism

One course chosen from:

ENGL	5345	Survey of European Literary Criticism
ENGL	5350	Theory and Practice of Literary Criticism

Literature Studies Requirement

Five courses chosen from:

ENGL	5305	Milton
ENGL	5306	Chaucer
ENGL	5307	Issues in American Literature
ENGL	5308	Problems in English Literature
ENGL	5309	Seminar in Literature and Languages
ENGL	5311	Studies in Medieval Literature
ENGL	5312	Studies in 16 th Century Literature
ENGL	5313	The Continental Novel
ENGL	5315	Studies in 19 th Century American Literature
ENGL	5316	Studies in 20 th Century American Literature
ENGL	5328	Studies in 17 th Century Literature
ENGL	5345	Survey of European Literary Criticism

THESIS¹

ENGL	5398	Thesis
ENGL	5399	Thesis

6 SCH

TOTAL

36 SCH

*Six hours earned from the South Texas Writing Project Summer Institute may be substituted for six hours in the rhetoric core.

¹Students must take and pass a comprehensive examination over all coursework during the last semester of coursework or the semester immediately following in order to be eligible to register for ENGL 5398.

**MASTER OF ARTS IN ENGLISH
RHETORIC AND COMPOSITION TRACK
NON-THESIS PLAN**

MAJOR CURRICULUM - RHETORIC AND COMPOSITION

36 SCH

Rhetoric Required Courses*:

ENGL	5330	History of Rhetoric from the Classical Period through the 18 th Century
ENGL	5331	History of Rhetoric from the 19 th Century to the Present
ENGL	5365	Seminar in Rhetoric

Three courses chosen from:

ENGL	5301	Problems in the Teaching of English
ENGL	5304	Studies in Language
ENGL	5353	Grant Writing
ENGL	5360	Advanced Technical Writing

Research and Criticism

ENGL	5345	Survey of European Literary Criticism OR
ENGL	5350	Theory and Practice of Literary Criticism

Literature Studies Requirement

Five courses chosen from:

ENGL	5305	Milton
ENGL	5306	Chaucer
ENGL	5307	Issues in American Literature
ENGL	5308	Problems in English Literature
ENGL	5309	Seminar in Literature and Languages
ENGL	5311	Studies in Medieval Literature
ENGL	5312	Studies in 16 th Century Literature
ENGL	5313	The Continental Novel
ENGL	5315	Studies in 19 th Century American Literature
ENGL	5316	Studies in 20 th Century American Literature
ENGL	5328	Studies in 17 th Century Literature
ENGL	5345	Survey of European Literary Criticism

TOTAL

36 SCH

*Six hours earned from the South Texas Writing Project Summer Institute may be substituted in the rhetoric core.

Note: See COLLEGE OF ARTS AND SCIENCES - UNDERGRADUATE DEGREES for information on the combined BA/MA degree in English.

**MASTER OF ARTS IN HISTORY
THESIS PLAN**

MAJOR CURRICULUM - HISTORY¹ **18 SCH**

Required course:

HIST 5380 Historiography

Five courses chosen from:

HIST 5301 Problems in American History
 HIST 5302 The West in American History
 HIST 5305 Civil War and Reconstruction
 HIST 5310 Problems in World History
 HIST 5315 Seminar in Twentieth-Century U.S. History
 HIST 5320 Problems in Latin American History
 HIST 5324 Seminar in U.S. Women's History
 HIST 5325 Seminar in Mexican History
 HIST 5330 Seminar in European History
 HIST 5340 Seminar in Asian History
 HIST 5345 Seminar in U.S. Foreign Relations
 HIST 5355 Seminar in the History of Religion
 HIST 5360 Seminar in Border History

MINOR CURRICULUM² **6 SCH**

Two **graduate** courses **from one discipline**. Courses must be at the 5000-level

THESIS **6 SCH**

HIST 5398 Thesis
 HIST 5399 Thesis

TOTAL **30 SCH**

**MASTER OF ARTS IN HISTORY
NON-THESIS PLAN**

MAJOR CURRICULUM - HISTORY¹ **27 SCH**

Required course:

HIST 5380 Historiography

Eight courses chosen from:

HIST 5301 Problems in American History
 HIST 5302 The West in American History
 HIST 5305 Civil War and Reconstruction
 HIST 5310 Problems in World History
 HIST 5315 Seminar in Twentieth-Century U.S. History
 HIST 5320 Problems in Latin American History
 HIST 5324 Seminar in U.S. Women's History
 HIST 5325 Seminar in Mexican History
 HIST 5330 Seminar in European History
 HIST 5340 Seminar in Asian History
 HIST 5345 Seminar in U.S. Foreign Relations
 HIST 5355 Seminar in the History of Religion
 HIST 5360 Seminar in Border History

MINOR CURRICULUM² **9 SCH**

Three **graduate** courses **from one discipline** at least two of which must be at the 5000-level

TOTAL **36 SCH**

¹In unusual circumstances a student may take a 4000-level course for graduate credit with the permission of the advisor.

²Select from CRIJ/ENGL/IS/PSCI/PSYC/SOCI/SPAN.

Note: See COLLEGE OF ARTS AND SCIENCES - UNDERGRADUATE DEGREES for information on the combined BA/MA degree in History.

No more than three hours at the 4000-level may be applicable to the degree.

**MASTER OF ARTS IN POLITICAL SCIENCE
THESIS PLAN**

MAJOR CURRICULUM - POLITICAL SCIENCE **24 SCH**

Required courses:

PSCI 5301 Advanced Methods of Social Research

Seven courses chosen from:

PADM 5375 Survey of Public Administration and Public Affairs
 PADM 5380 Principles and Politics of Public Budgeting
 PADM 5382 Public Policy Development and Implementation
 PSCI 5303 American Political Institutions
 PSCI 5308 American Political Behavior
 PSCI 5330 Seminar in Political Philosophy
 PSCI 5340 Comparative Politics
 PSCI 5345 Government and Politics in the Middle East
 PSCI 5360 American Foreign Policy
 PSCI 5368 Seminar in International Politics
 PSCI 5372 Seminar in International Law and Organizations
 PSCI 5373 Advanced Seminar in Latin American Politics
 PSCI 5385 Political Science Internship
 PSCI 5390 Special Problems in Political Science

THESIS **6 SCH**

Twenty-four hours must be completed prior to Thesis

PSCI 5398 Thesis

PSCI 5399 Thesis

TOTAL **30 SCH**

**MASTER OF ARTS IN POLITICAL SCIENCE
NON-THESIS PLAN**

MAJOR CURRICULUM - POLITICAL SCIENCE **27 SCH**

Required courses:

PSCI 5301 Advanced Methods of Social Research

Eight courses chosen from:

PADM 5375 Survey of Public Administration and Public Affairs
 PADM 5380 Principles and Politics of Public Budgeting
 PADM 5382 Public Policy Development and Implementation
 PSCI 5303 American Political Institutions
 PSCI 5308 American Political Behavior
 PSCI 5330 Seminar in Political Philosophy
 PSCI 5340 Comparative Politics
 PSCI 5345 Government and Politics in the Middle East
 PSCI 5360 American Foreign Policy
 PSCI 5368 Seminar in International Politics
 PSCI 5372 Seminar in International Law and Organizations
 PSCI 5373 Advanced Seminar in Latin American Politics
 PSCI 5385 Political Science Internship
 PSCI 5390 Special Problems in Political Science

MINOR CURRICULUM¹ **9 SCH**

Three **graduate** courses **from one discipline**. Courses must be at the 5000-level

TOTAL **36 SCH**

¹Select from CRIJ/ENGL/IS/HIST/PSYC/SOCI/SPAN.

Note: See COLLEGE OF ARTS AND SCIENCES - UNDERGRADUATE DEGREES for information on the combined BA/MA degree in Political Science.

**MASTER OF ARTS IN SOCIOLOGY
THESIS PLAN**

MAJOR CURRICULUM - SOCIOLOGY **18 SCH**

Required courses:

SOCI	5303	Seminar in Sociological Theory
SOCI	5304	Racial, Ethnic, Social Class and Gender Inequalities
SOCI	5321	Social Inquiry

Three courses chosen from:

SOCI	5301	Contemporary Studies of Social Problems ¹
SOCI	5306	Sociology of Education
SOCI	5309	Immigration and Biculturalism
SOCI	5312	Applications in Social Planning
SOCI	5322	Advanced Quantitative Methods

MINOR CURRICULUM² **6 SCH**

Two **5000-level graduate** courses **from one discipline**

THESIS **6 SCH**

Twenty-four hours must be completed prior to enrollment in SOCI 5398 or SOCI 5399

SOCI	5398	Thesis
SOCI	5399	Thesis

TOTAL **30 SCH**

**MASTER OF ARTS IN SOCIOLOGY
NON-THESIS PLAN**

MAJOR CURRICULUM - SOCIOLOGY **27 SCH**

Required courses:

SOCI	5303	Seminar in Sociological Theory
SOCI	5304	Racial, Ethnic, Social Class and Gender Inequalities
SOCI	5321	Social Inquiry

Six courses chosen from:

No more than one course at the 4000-level

SOCI	5301	Contemporary Studies of Social Problems ¹
SOCI	5306	Sociology of Education
SOCI	5309	Immigration and Biculturalism
SOCI	5312	Applications in Social Planning
SOCI	5322	Advanced Quantitative Methods

MINOR CURRICULUM² **9 SCH**

Three **5000-level graduate** courses **from one discipline**

TOTAL **36 SCH**

¹SOCI 5301 may be repeated for credit when the topic changes.

²Select from CRIJ/ENGL/HIST/IS/PADM/PSCI/PSYC/SPAN.

Note: See COLLEGE OF ARTS AND SCIENCES - UNDERGRADUATE DEGREES for information on the combined BA/MA degree in Sociology.

**MASTER OF ARTS IN SPANISH
THESIS PLAN**

MAJOR CURRICULUM - SPANISH

24 SCH

Research and Criticism

SPAN 5300 Theory of Literary Analysis, Bibliographic Search, & Literary Writing Method¹

Language Studies

SPAN 5304 Studies in Language

Literature

Six courses chosen from:

SPAN 5301²/SPAN 5303/SPAN 5305/SPAN 5307²/

SPAN 5308²/SPAN 5309²/SPAN 5310/SPAN 5313²/

SPAN 5330/SPAN 5332/SPAN 5334/SPAN 5336/

SPAN 5338/SPAN 5340²/SPAN 5342/SPAN 5344²/

SPAN 5345/SPAN 5346/SPAN 5347

LANGUAGE REQUIREMENT³

Reading Knowledge of a Second Romance Language

THESIS⁴

6 SCH

SPAN 5352 Thesis

SPAN 5354 Thesis

TOTAL

30 SCH

¹To be taken in the first three semesters of student's graduate work.

²When topic changes, course may be repeated only once to fulfill the credit requirement in this area.

³The requirement of reading knowledge of a second Romance Language may be met by completing at least six hours of course work with a grade of B or higher in one Romance language (French and Portuguese are currently available at TAMU) or by passing a departmental reading exam in one Romance Language. This requirement must be met prior to taking the comprehensive exams and beginning work on the thesis.

⁴Students must take and pass a comprehensive examination over all coursework during the last semester of coursework or the semester immediately following in order to be eligible to register for SPAN 5352.

Note: See COLLEGE OF ARTS AND SCIENCES - UNDERGRADUATE DEGREES for information on the combined BA/MA degree in Spanish.

**MASTER OF ARTS IN SPANISH
NON-THESIS PLAN**

MAJOR CURRICULUM - SPANISH

27 SCH

Research and Criticism

SPAN 5300 Theory of Literary Analysis, Bibliographic Search, & Literary Writing Method¹

Language Studies

SPAN 5304 Studies in Language

Literature

Seven courses chosen from:

SPAN 5301²/SPAN 5303/SPAN 5305/SPAN 5307²/
SPAN 5308²/SPAN 5309²/SPAN 5310/SPAN 5313²/
SPAN 5330/SPAN 5332/SPAN 5334/SPAN 5336/
SPAN 5338/SPAN 5340²/SPAN 5342/SPAN 5344²/
SPAN 5345/SPAN 5346/SPAN 5347

MINOR CURRICULUM OR SPANISH ELECTIVES³

9 SCH

Three **graduate** courses **from one discipline**,
at least one of which must be at the 5000 level, **or**
three additional graduate Spanish courses.

LANGUAGE REQUIREMENT⁴

Reading Knowledge of a Second Romance Language

TOTAL

36 SCH

¹To be taken in the first three semesters of student's graduate work.

²When topic changes, course may be repeated only once to fulfill the credit requirement in this area.

³Students contemplating doctoral work in Spanish should take six additional hours in Spanish. Minors may be selected from CRIJ/ENGL/HIST/IS/PSCI/PSYC/SOCI.

⁴The requirement of reading knowledge of a second Romance Language may be met by completing at least six hours of course work with a grade of B or higher in one Romance language (French or Portuguese are currently available at TAMIU) or by passing a departmental reading exam in one Romance Language. This requirement must be met prior to taking the comprehensive exams and beginning work on the thesis.

Note: See COLLEGE OF ARTS AND SCIENCES - UNDERGRADUATE DEGREES for information on the combined BA/MA degree in Spanish.

MASTER OF PUBLIC ADMINISTRATION

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.

The MPA consists of 42 hours of graduate credit. Students will take 36 of these hours in 12 “core classes” in the Department of Social Sciences and 6 SCH of “elective courses,” which may include courses offered by other colleges in the university. 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.

Students are required to begin the program with the foundational courses (PADM 5375 & PSCI 5301) which should be followed by the theory courses (PADM 5342 and PADM 5362). These courses will provide the foundational knowledge, logic, and tools for gaining sound understanding of and appreciation for public administration. Core courses taken in the proper sequence will help students prepare for the comprehensive exam and derive most benefit from the program. Core courses have to be successfully completed before the comprehensive exam. Core courses cannot be substituted.

MASTER OF PUBLIC ADMINISTRATION (MPA)

MAJOR CURRICULUM

33 SCH

Required courses:

PADM	5332	Program Evaluation ¹
PADM	5334	Administrative Law* ¹
PADM	5342	Organization Theory ²
PADM	5344	Communication for Public Administrators
PADM	5362	Administrative Ethics ^{1/2}
PADM	5375	Survey of Public Administration and Public Affairs
PADM	5378	Human Resources Management in Public Administration ^{1/2}
PADM	5380	Principles and Politics of Public Budgeting** ¹
PADM	5382	Public Policy Development and Implementation ¹
PSCI	5301	Advanced Methods of Social Research

One course chosen from:

PADM	5395	Project ^{1/3}
PADM	5396	Internship ^{1/4}

ELECTIVES

6 SCH

Choose any nine hours of 5000-level courses

TOTAL

42 SCH

¹Refer to course description for information on prerequisites.

²May be taken concurrently with PADM 5375.

³To be taken by those with two or more years' experience in the public sector.

⁴To be taken by those with less than two years of experience in the public sector.

**MASTER OF SCIENCE IN BIOLOGY
THESIS PLAN**

MAJOR CURRICULUM - BIOLOGY **24 SCH**

Required courses:

BIOL 5290 Graduate Seminar¹
BIOL 5401 Biometry₂

Sixteen hours chosen from:

Graduate biology courses except BIOL 5295

THESIS **6 SCH**

BIOL 5398 Thesis
BIOL 5399 Thesis

TOTAL **30 SCH**

¹To be repeated once when the topic changes to fulfill the requirement of four SCH.

²To be taken in the first three semesters of student's graduate work.

**MASTER OF SCIENCE IN BIOLOGY
NON-THESIS PLAN**

MAJOR CURRICULUM - BIOLOGY **36 SCH**

Required courses:

BIOL 5290 Graduate Seminar¹
BIOL 5295 Research Problems in Biology²
BIOL 5401 Biometry³

Twenty four hours chosen from:

Graduate biology courses except BIOL 5398 and 5399

TOTAL **36 SCH**

¹To be repeated once when the topic changes to fulfill the requirement of four SCH.

²To be successfully completed twice to fulfill the requirement of four SCH.

³To be taken in the first three semesters of student's graduate work.

**MASTER OF SCIENCE IN CRIMINAL JUSTICE
THESIS PLAN**

MAJOR CURRICULUM - CRIMINAL JUSTICE **24 SCH**

Required courses:

CRIJ	5301	Advanced Seminar on the Criminal Justice System
CRIJ	5320	Advanced Methods of Social Research
CRIJ	5327	Advanced Quantitative Methods in Criminal Justice
CRIJ	5330	Seminar in Criminological Theory

Four courses chosen from:

CRIJ	5315	Comparative Criminal Justice Systems
CRIJ	5325	Seminar in Corrections
CRIJ	5326	Seminar on Police Practices
CRIJ	5340	Contemporary Issues in Criminal Justice
CRIJ	5345	Critical Issues in Criminal Justice Policy

Or up to 6 SCH of 5000-level courses from ENGL/HIST/PADM/PSYC/SOCI/SPAN

THESIS **6 SCH**

Twenty-four hours must be completed prior to enrollment in CRIJ 5398 and CRIJ 5399

CRIJ	5398	Thesis
CRIJ	5399	Thesis

TOTAL **30 SCH**

**MASTER OF SCIENCE IN CRIMINAL JUSTICE
NON-THESIS PLAN**

MAJOR CURRICULUM - CRIMINAL JUSTICE **27 SCH**

Required courses:

CRIJ	5301	Advanced Seminar on the Criminal Justice System
CRIJ	5303	Law and Criminal Justice
CRIJ	5320	Advanced Methods of Social Research
CRIJ	5330	Seminar in Criminological Theory

Five courses chosen from:

CRIJ	5315	Comparative Criminal Justice Systems
CRIJ	5325	Seminar in Corrections
CRIJ	5326	Seminar on Police Practices
CRIJ	5327	Advanced Quantitative Methods in Criminal Justice
CRIJ	5340	Contemporary Issues in Criminal Justice
CRIJ	5345	Critical Issues in Criminal Justice Policy

GENERAL ELECTIVES **9 SCH**

Three courses at the 5000-level from ENGL/HIST/PADM/PSYC/SOCI/SPAN

TOTAL **36 SCH**

**MASTER OF SCIENCE IN MATHEMATICS
THESIS PLAN**

MAJOR CURRICULUM - MATHEMATICS

30 SCH

Required courses:

MATH	5305	Real Analysis I
MATH	5320	Complex Variables
MATH	5330	Abstract Algebra I
MATH	5365	Topology
MATH	5370	Mathematical Modeling I

Four courses chosen from:

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
MATH	5331	Abstract Algebra II
MATH	5340	Differential Geometry
MATH	5350	Ordinary Differential Equations
MATH	5355	Advanced Topics in Mathematics
MATH	5360	Partial Differential Equations
MATH	5367	Numerical Models for PDE I
MATH	5368	Numerical Models for PDE II
MATH	5375	Probability Theory

Three semester hours chosen from:

MATH	5191	Mathematics Seminar
MATH	5252	Internship in Mathematics
MATH	5290	Research Methods in Mathematics

THESIS

6 SCH

MATH	5398	Thesis
MATH	5399	Thesis

TOTAL

36 SCH

**MASTER OF SCIENCE IN MATHEMATICS
NON-THESIS PLAN**

MAJOR CURRICULUM - MATHEMATICS

36 SCH

Required courses:

MATH	5305	Real Analysis I
MATH	5320	Complex Variables I
MATH	5330	Abstract Algebra I
MATH	5365	Topology
MATH	5370	Mathematical Modeling I

Six courses chosen from:

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
MATH	5331	Abstract Algebra II
MATH	5340	Differential Geometry
MATH	5350	Ordinary Differential Equations
MATH	5355	Advanced Topics in Mathematics
MATH	5360	Partial Differential Equations
MATH	5367	Numerical Models for PDE I
MATH	5368	Numerical Models for PDE II
MATH	5375	Probability Theory

Three semester hours chosen from:

MATH	5191	Mathematics Seminar
MATH	5252	Internship in Mathematics
MATH	5290	Research Methods in Mathematics

TOTAL

36 SCH

**MASTER OF SCIENCE IN MATHEMATICS
MATHEMATICS EDUCATION TRACK
NON-THESIS**

MAJOR CURRICULUM - MATHEMATICS EDUCATION

Required Mathematics courses: **18 SCH**

MATH	5305	Real Analysis I
MATH	5320	Complex Variables I
MATH	5330	Abstract Algebra I
MATH	5365	Topology
MATH	5370	Mathematical Modeling I
MATH	5375	Probability Theory

Required Education courses: **15 SCH**

EDCI	5315	Design for Instruction
EDDP	5327	Educating Diverse Populations: Teaching Diverse Students
EDGR	5320	Foundations of Research
EDIT	5322	Technology Applications for Secondary Mathematics and Science Teachers
EDME	5310	Problem-Solving Techniques for Secondary Mathematics Teachers

One course chosen from: **3 SCH**

EDCI	5399	Special Issues in Curriculum and Instruction: Issues in Mathematics Education
EDME	5399	Issues in Secondary Mathematics Education

TOTAL **36 SCH**

**MASTER OF SCIENCE IN PSYCHOLOGY
GENERAL PSYCHOLOGY TRACK**

MAJOR CURRICULUM - PSYCHOLOGY **18 SCH**

Required courses:

PSYC	5302	Survey of Social Psychology
PSYC	5304	Survey of Personality and Abnormal Psychology
PSYC	5305	Human Development Across the Life Span
PSYC	5310	Ethical, Legal and Professional Issues
PSYC	5320	Research Design and Statistics
PSYC	5370	Cognitive Science

General Psychology Track **18 SCH**

Six courses chosen from:

PSYC	5335	Issues in Psychology
PSYC	5336	Multicultural Issues in Psychology
PSYC	5338	Alcohol/Drug Counseling: Theory and Practice
PSYC	5344	Forensic Psychology
PSYC	5346	Police Psychology
PSYC	5365	Advanced Statistics
PSYC	5375	Introduction to Neuropsychology
PSYC	5378	Industrial/Organizational Psychology
PSYC	5398	Thesis
PSYC	5399	Thesis

TOTAL **36 SCH**

**MASTER OF SCIENCE IN PSYCHOLOGY
POLICE PSYCHOLOGY TRACK**

MAJOR CURRICULUM - PSYCHOLOGY

18 SCH

Required courses:

PSYC	5302	Survey of Social Psychology
PSYC	5304	Survey of Personality and Abnormal Psychology
PSYC	5305	Human Development Across the Life Span
PSYC	5310	Ethical, Legal and Professional Issues
PSYC	5320	Research Design and Statistics
PSYC	5370	Cognitive Science

Police Psychology Track

18 SCH

PSYC	5336	Multicultural Issues in Psychology
PSYC	5338	Alcohol/Drug Counseling: Theory and Practice
PSYC	5344	Forensic Psychology
PSYC	5346	Police Psychology
CRIJ	5303	Law and Criminal Justice
CRIJ	5326	Seminar in Police Practices

TOTAL

36 SCH

A.R. SANCHEZ, JR. SCHOOL OF BUSINESS

GRADUATE DEGREES

GRADUATE DEGREES

Master of Business Administration (MBA) with a concentration in the following areas:

- Accounting
- Information Systems
- International Business (taught in English and Spanish)
- International Banking and Finance
- International Trade Economics
- Logistics
- Management
- Marketing

Master of Business Administration in International Trade (MBA-IT)

Master of Professional Accountancy (MPAcc)

Master of Science in Information Systems (MS-IS)

Doctor of Philosophy in International Business Administration (Ph.D.-IBA)

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 Texas Center for Border Economic and Enterprise Development; The Center for the Study of Western Hemispheric Trade; and *The International Trade Journal*.

GRADUATE ADMISSION PROCEDURES

Applicants interested in a graduate business degree must submit an Application for Graduate Admission to the Office of Graduate Studies and Research. Application is forwarded to the A. R. Sanchez, Jr. School of Business upon completion of applicant's file. Application materials must include:

- official transcript(s) of all college/university-level studies
- official GMAT or GRE scores dated within five years of applicant's anticipated semester of enrollment. This is a requirement of all applicants to the A. R. Sanchez, Jr. School of Business. Applicants pursuing the MBA taught in Spanish may choose to take the *Examen de Admisión* which is administered at partner universities in Mexico. No admission decision will be made prior to receipt of a GMAT, GRE, or *Examen de Admisión* score.
- Minimum TOEFL score of 550 (paper-based), 213 (computer-based) or 79/80 (internet-based) for applicants to the master's program having academic studies from a country where English is not the native language. Minimum TOEFL scores for doctoral applicants are 600 (paper-based), 250 (computer-based) or 100 (internet-based). 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.
- one-page statement of purpose indicating the area of study
- updated resume
- two letters of recommendation for master's applicants; three letters of recommendation for doctoral applicants.

Admission recommendations are made by the A. R. Sanchez, Jr. School of Business Master's Program and Doctoral Program Admissions Committees based upon review of the applicant's documentation listed above. Students admitted with conditions must satisfactorily complete these conditions to remain in graduate school.

GRADUATE DEGREE REQUIREMENTS

See Academic Regulations for Graduate Degrees for specific TAMIU Regulations.

1) *Workload Regulations:* The maximum number of semester credit hours (SCH) that a graduate student can take is:

Regular semester (fall or spring)	12 SCH
Each summer session	6 SCH

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

- 2) *Graduate-Level Courses:* Courses numbered 5000-level or above.
- 3) *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.
- 4) *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.
- 5) *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.
- 6) *Additional Master's Degree Policy:* A student seeking a second master's degree from the A. R. Sanchez, Jr. School of Business must complete twenty-one (21) semester credit hours of graduate-level business courses beyond the course work in the degree plan(s) for all prior master's degrees taken from the A. R. Sanchez, Jr. School of Business and must meet all other requirements for the additional master's degree.
- 7) *International Students Language Requirement:* International students who do not meet the language requirement for admission to 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 550 (paper-based), 213 (computer-based) or 79/80 (Internet-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 250 (Computer-based) or 600 (paper-based). This score must be sent directly from the Educational Testing Service (ETS) and dated within two (2) years of enrollment.
- 8) *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 non-degree status for no more than six hours beyond the prerequisite courses. A grade of "B" or better must be earned on each graduate-level course the applicant wishes to request transfer of credit upon official admission into a master's program. Completion of any number of credit hours taken under non-degree status does not guarantee admission into a master's program. Students on provisional status are not eligible to apply for financial assistance offered through the University.
- 9) *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.
- 10) *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.
- 11) *Leave of Absence:* Under unusual circumstances, a student may petition for a leave of absence. The student's Advisory Committee Chairperson and the Chair of the Division must approve the petition. If the petition is granted, the registration requirement will be set aside during the period of the leave and will not count towards the requirement that the student complete a master's degree within a period of five years or within the time specified for the particular program. Leaves will be granted only under conditions that require the suspension of all activities associated with the thesis.

MASTER OF BUSINESS ADMINISTRATION

The following courses 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. **These courses must be taken by all students enrolled in the following degree programs: Master of Business Administration (MBA) and the Master of Business Administration in International Trade (MBA-IT).**

The MBA Business Foundation courses do NOT count toward the 30/33 hours needed to complete the MBA degree. However, they do count toward the overall graduate grade point average required for satisfactory progress.

BUSINESS FOUNDATION COURSES FOR THE MBA and MBA-IT PROGRAMS

ACC	5300	Accounting Concepts
MIS	5300	Information Systems Concepts
DS	5300	Business Quantitative Methods
ECO	5300	Economic Concepts
FIN	5300	Business Finance Concepts
MGT	5300	Management Concepts
MKT	5300	Marketing Concepts
POM	5300	Production and Operations Management

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
3. 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 applied towards a waiver. 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 thirty hours needed to complete the Master of Science degree.

MASTER OF SCIENCE IN INFORMATION SYSTEMS FOUNDATION

MIS 5300 Information Systems Concepts or MIS 3310 Management Information Systems
DS 5300 Business Quantitative Methods or DS 2310 Business Statistics I

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 and the Dean or the Dean's designee for which the course is assigned. (Faculty advisors are not authorized to give waivers.) 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.

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.

GRADUATE BUSINESS FOUNDATION

ACC 5310	Financial Statement Analysis
BA 5310	Business Research Methods
BA 5390	Strategic Management
ECO 5310	Managerial Economics
FIN 5310	Financial Management
MGT 5310	Seminar in Management Concepts
MKT 5310	Seminar in Marketing Management

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.

MASTER OF BUSINESS ADMINISTRATION (MBA)

MBA BUSINESS CORE

REQUIRED MBA COURSES

6 SCH

BA 5310 Business Research Methods

(Must be taken during the **first 12 hours** of graduate course work in the MBA program)

BA 5390 Strategic Management

(Must be taken during the final **nine (9) hours** prior to graduation)

Four/five of the following courses must be taken based on undergraduate major:

12/15 SCH

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.

ACC 5310 Financial Statement Analysis

ECO 5310 Managerial Economics

FIN 5310 Financial Management

MGT 5310 Seminar in Management Concepts

MKT 5310 Seminar in Marketing Management

To remain in good standing, students must have a minimum *GPA of 3.00/4.00 ("B") for the courses listed above.*

CONCENTRATION

9/12 SCH

Three/four appropriate graduate level business courses.

Courses selected to form a Concentration must be approved by the Graduate Advisor or the appropriate Division Chair and must be from the following areas:

Accounting

Information Systems

International Business

International Banking and Finance

International Trade Economics

Logistics

Management

Marketing

TOTAL

30 SCH

CONCENTRATION COURSES

RESTRICTIONS

1. Students may not apply more than two of the following as elective courses:
ACC 5399, BA 5399, MIS 5399, ECO 5399, FIN 5399, MGT 5399, MKT 5399.

ACCOUNTING

ACC 5315 Advanced Accounting

ACC 5320 Tax Research and Policy

ACC 5325 Seminar in Managerial Accounting

ACC 5330 Advanced Taxation

ACC 5335 Seminar in Government and Not for Profit Accounting

ACC 5344 Seminar in Ethics for Accountants

ACC 5345 International Accounting

ACC 5355 International Taxation

ACC 5370 Seminar in Auditing

ACC 5375 Forensic Accounting

ACC 5385 Emerging Accounting Issues and Concepts

ACC 5390 Managing the Accounting Practice

ACC 5392 Advanced Accounting Research

ACC 5398 Accounting Internship

ACC 5399 Special Issues in Accounting

INFORMATION SYSTEMS

MIS	5330	Advanced Programming
MIS	5340	Networks and Distributed Systems
MIS	5350	Information Systems Analysis
MIS	5360	Management of Information Systems
MIS	5370	Database Management and Design
MIS	5380	Information Systems Design and Implementation
MIS	5390	Project Design and Management
MIS	5399	Special Issues in Information Systems

INTERNATIONAL BANKING AND FINANCE

FIN	5320	International Financial Markets and Institutions
FIN	5330	International Investments
FIN	5331	International Risk Management and Insurance
FIN	5340	International Working Capital Management
FIN	5370	Global Bank Management
FIN	5380	International Finance
FIN	5390	Seminar in International Banking
FIN	5399	Special Issues in International Banking

INTERNATIONAL BUSINESS

ACC	5345	International Accounting
ACC	5355	International Taxation
BA	5320	Global Environments of Business
BA	5330	International Commercial Law
BA	5398	Business Internship
BA	5399	Special Issues in Business Administration
ECO	5320	International Trade Theories and Policies
ECO	5340	International Political Economic Relations
ECO	5350	International Economic Geography
ECO	5399	Special Issues in Economics
FIN	5320	International Financial Markets and Institutions
FIN	5330	International Investments
FIN	5331	International Risk Management and Insurance
FIN	5340	International Working Capital Management
FIN	5370	Global Bank Management
FIN	5380	International Finance
FIN	5390	Seminar in International Banking
FIN	5399	Special Issues in International Banking and Finance
MGT	5312	International Management
MGT	5390	Global Management Simulations
MGT	5399	Special Issues in Management
MKT	5320	International Marketing
MKT	5330	International Promotion
MKT	5399	Special Issues in Marketing
POM	5310	International Production Management
TIL	5310	Transportation and Logistics Management
TIL	5320	Customs Brokerage
TIL	5330	International Land Transportation
TIL	5340	International Maritime Transportation and Air Transportation
TIL	5350	Design and Analysis of International Logistics Systems
TIL	5370	International Logistics
TIL	5390	International Logistics Strategic Management
TIL	5399	Special Issues in Logistics

INTERNATIONAL TRADE ECONOMICS

ECO	5315	Macroeconomics
ECO	5320	International Trade Theories and Policies
ECO	5340	International Political Economic Relations
ECO	5350	International Economic Geography
ECO	5399	Special Issues in Economics

LOGISTICS

TIL	5310	Transportation and Logistics Management
TIL	5320	Customs Brokerage
TIL	5330	International Land Transportation
TIL	5340	International Maritime Transportation and Air Transportation
TIL	5350	Design and Analysis of International Logistics Systems
TIL	5370	International Logistics
TIL	5390	International Logistics Strategic Management
TIL	5399	Special Issues in Logistics

MANAGEMENT

BA	5320	Global Environment of Business
BA	5330	International Commercial Law
BA	5399	Special Issues in Business Administration
MGT	5312	International Management
MGT	5315	Human Resource Development
MGT	5317	Leadership and Decision Making
MGT	5319	Entrepreneurship
MGT	5320	Management Science
MGT	5390	Global Management Simulation
MGT	5399	Special Issues in Management
POM	5310	International Production Management
POM	5315	Quality Management

MARKETING

MKT	5320	International Marketing
MKT	5340	Advanced Marketing Research
MKT	5350	Advanced Consumer Behavior
MKT	5399	Special Issues in Marketing

**MASTER OF BUSINESS ADMINISTRATION IN
INTERNATIONAL TRADE (MBA-IT)**

MBA BUSINESS FOUNDATION*

REQUIRED MBA COURSES

9 SCH

BA 5310 Business Research Methods
BA 5390 Strategic Management
BA 5320 Global Environments of Business

CORE-MBA-INTERNATIONAL TRADE

15 SCH

ECO 5320 International Trade Theories and Policies
MKT 5320 International Marketing
FIN 5380 International Finance
MGT 5312 International Management
TIL 5370 International Logistics

To remain in good standing, students must have a minimum *average* of 3.00/4.00 ("B") for the courses listed above.

GRADUATE ELECTIVES**

9 SCH

Three graduate-level business courses

TOTAL

33 SCH

*See MBA Business Foundation in this section.

**See Electives for Business Graduate Degree Programs in this section.

MASTER OF PROFESSIONAL ACCOUNTANCY (MPAcc)¹

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 FOUNDATION²

The following or equivalent courses must be completed before the student will be permitted to take the MPAcc required courses:

ACC	2301	Introduction to Financial Accounting
ACC	2302	Introduction to Managerial Accounting
ACC	3310	Intermediate Accounting I
ACC	3320	Intermediate Accounting II
ACC	3330	Intermediate Accounting III
ACC	3340	Advanced Managerial Accounting
ACC	3350	Federal Taxation
ACC	3370	Introduction to Accounting Systems

Three additional hours of upper division accounting.

Students graduating with an undergraduate degree in accountancy from a university in which the business program is accredited by the AACSB International automatically satisfy the foundation requirements.

MAJOR CURRICULUM

24 SCH

ACC	5315	Advanced Accounting
ACC	5325	Seminar in Managerial Accounting
ACC	5330	Advanced Taxation
ACC	5335	Seminar in Government and Not for Profit Accounting
ACC	5350	Accounting Theory
ACC	5370	Seminar in Auditing

Two masters level accounting courses, except ACC 5300.

To remain in good standing, students must maintain a minimum *GPA of 3.00/4.00 ("B") for the courses listed above.*

TWO GRADUATE LEVEL BUSINESS COURSES

6 SCH

TOTAL

30 SCH

¹Section 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.

²The MPAcc Accounting Foundation courses do NOT count toward the thirty hours needed to complete the MPAcc degree.

**MASTER OF SCIENCE IN
INFORMATION SYSTEMS (MS-IS)**

MS-IS FOUNDATION*

CORE-MS-INFORMATION SYSTEMS

24 SCH

BA	5310	Business Research Methods
MIS	5330	Advanced Programming
MIS	5340	Networks and Distributed Systems
MIS	5350	Information Systems Analysis
MIS	5360	Management of Information Systems
MIS	5370	Database Management and Design
MIS	5380	Information Systems Design and Implementation
MIS	5390	Project Design & Management

To remain in good standing, students must have a minimum *average* of 3.00/4.00 ("B") for the courses listed above.

GRADUATE ELECTIVES**

6 SCH

Two graduate-level business or other approved elective courses

TOTAL

30 SCH

*See Master of Science in Information Systems Foundation in this section.

**See Electives for Business Graduate Degree Programs in this section.

Electives for Business Graduate Degree Programs

Students in graduate degree programs within the School of Business must choose courses from the following list as electives to meet their degree requirements. (Some restrictions apply to students in the MBA-IBK and MBA-IT degree programs -- see notes below).

RESTRICTIONS

1. Students may not apply more than two of the following as elective courses: ACC 5399, BA 5399, MIS 5399, ECO 5399, FIN 5399, MGT 5399, MKT 5399.
2. Students in the MBA-IBK degree program may not apply more than one of the following as elective courses: FIN 5310, FIN 5399, FIN 5330, and FIN 5380.
3. Students in the MBA-IT degree program may not apply more than one of the following as elective courses: ECO 5330, ECO 5340, ECO 5350, MKT 5330, MGT 5390, BA 5330, TIL 5320.

NOTE: No undergraduate courses will be allowed for graduate credit.

ACC 5310	ACC 5399	FIN 5320	MGT 5320	MKT 5330
ACC 5315	BA 5320	FIN 5330	MGT 5320	MKT 5340
ACC 5320	BA 5330	FIN 5331	MGT 5390	MKT 5350
ACC 5325	BA 5390	FIN 5333	MGT 5399	MKT 5399*
ACC 5330	BA 5398	FIN 5340	MIS 5330	POM 5310
ACC 5335	BA 5399*	FIN 5370	MIS 5340	POM 5315
ACC 5344	ECO 5310	FIN 5380	MIS 5350	POM 5317
ACC 5345	ECO 5315	FIN 5390	MIS 5360	TIL 5310
ACC 5355	ECO 5320	FIN 5399*	MIS 5370	TIL 5320
ACC 5370	ECO 5340	MGT 5310	MIS 5380	TIL 5330
ACC 5375	ECO 5350	MGT 5312	MIS 5399	TIL 5340
ACC 5385	ECO 5399*	MGT 5315	MKT 5310	TIL 5350
ACC 5390	FIN 5310	MGT 5317	MKT 5320	TIL 5370
ACC 5392				TIL 5390

*variable hours

The Ph.D. Program in International Business Administration (PhD-IBA)

The Ph.D. program in International Business Administration is a bi-pillar program, where coursework and research in International Business Administration will be combined with coursework and research in one of the following areas: Finance, Management or Management Information Systems. It is designed to produce scholars who will make significant contributions - through research, teaching and service - to the growing area of International Business and associated fields.

DOCTOR OF PHILOSOPHY IN INTERNATIONAL BUSINESS ADMINISTRATION

REQUIRED GRADUATE BUSINESS FOUNDATION** **21 SCH**

ACC	5310	Financial Statement Analysis
BA	5310	Business Research Methods
BA	5390	Strategic Management
ECO	5310	Managerial Economics
FIN	5310	Financial Management
MGT	5310	Seminar in Management Concepts
MKT	5310	Seminar in Marketing Management

QUANTITATIVE AND RESEARCH METHODS **15 SCH**

Required courses:

BA	6310	Advanced Business Research Methods
BA	6320	Research Issues in International Business Administration
DS	6320	Multivariate Statistics

Select two courses based on concentration from:

Finance:

BA	6398	Special Issues in Research: Econometrics
BA	6398	Special Issues in Research: Advanced Econometrics

Management:

BA	6398	Special Issues in Research: Structural Equation Modeling
BA	6398	Special Issues in Research: Advanced Regression Models

Management Information Systems:

BA	6398	Special Issues in Research: Advanced Qualitative Modeling
BA	6398	Special Issues in Research: Structural Equation Modeling with PLS

*Students with non-business undergraduate degrees or with undergraduate degrees from non-AACSB programs may be waived from the Business Foundation courses by presenting evidence of equivalent course work at their respective institution. See information on Business Foundation Courses in this section.

**Students with non-business undergraduate degrees or with undergraduate degrees from non-AACSB programs may be waived from the Business Administration Core courses by presenting evidence of equivalent course work at their respective institution.

INTERNATIONAL BUSINESS ADMINISTRATION **18 SCH**

ACC	6310	Doctoral Seminar in International Accounting
ECO	6310	Doctoral Seminar in International Economics
FIN	6310	Doctoral Seminar in International Finance
MGT	6310	Doctoral Seminar in International Management
MIS	6310	Doctoral Seminar in Global Systems Management
MKT	6310	Doctoral Seminar in International Marketing

FUNCTIONAL AREA CONCENTRATION**15 SCH****Select five courses with the consent of the doctoral advisor and approval of the Ph.D. Program Director****Finance**

FIN 6315 Seminar in Corporate Finance
 FIN 6320 Seminar in Financial Markets & Institutions
 FIN 6330 Seminar in Investments

Select two courses from:

ECO 5315 Macroeconomics
 ECO 5399 Special Issues in Economics
 FIN 5320 International Financial Markets & Institutions
 FIN 5330 International Investments
 FIN 5331 International Risk Management & Insurance
 FIN 5340 International Working Capital Markets
 FIN 5370 Global Bank Management
 FIN 5380 International Finance
 FIN 5390 Seminar in International Banking

Management

MGT 6312 Organizational Behavior
 MGT 6315 Organizational Theory & Change
 MGT 6325 Leadership & Comparative Management
 MGT 6330 Seminar in Strategic Management

Select one course from:

MGT 6320 Human Resource Management
 MGT 6335 Seminar in Industry & Competitive Analysis

Management Information Systems

MIS 6320 Seminar in Social & Organization Issues in Information Systems
 MIS 6330 Seminar in Human Computer Interaction
 MIS 6340 Seminar in Emerging Technologies

Select two courses from:

MIS 5330 Advanced Programming
 MIS 5340 Networks and Distributed Systems
 MIS 5350 Information Systems Analysis
 MIS 5360 Management of Information Systems
 MIS 5370 Database Management and Design
 MIS 5380 Information Systems Design and Implementation
 MIS 5390 Project Design and Management
 MIS 5399 Special Issues in Information Systems

DISSERTATION RESEARCH*****6 SCH**

BA 6399 Dissertation Research

A minimum of 6 SCH must be completed in dissertation research.

TOTAL**75 SCH**

***Students must remain enrolled by taking a minimum of 3 hours until dissertation is completed.

COLLEGE OF EDUCATION

GRADUATE DEGREES

GRADUATE DEGREES

Master of Science in Curriculum and Instruction (MS) (Thesis and Non-Thesis)
Master of Science in Education with a major in Bilingual Education (MS-Ed) (Thesis and Non-Thesis)
Master of Science in Education with a major in Early Childhood Education (MS-Ed) (Thesis and Non-Thesis)
Master of Science in Education with a major in Educational Administration (MS-Ed) (Thesis)
Master of Science in Education with a major in Reading (MS-Ed) (Thesis and Non-Thesis)
Master of Science in Education Interventions for Autism (MS) (Thesis)
Master of Science in School Counseling (MS) (Thesis)
Master of Science in Special Education (MS) (Thesis and Non-Thesis)

COLLABORATIVE Ed.D. IN CURRICULUM AND INSTRUCTION

COLLABORATIVE Ed.D. IN EDUCATION ADMINISTRATION

(Offered by Texas A&M University)

PROFESSIONAL CERTIFICATES

Educational Diagnostics (code-61)
Principal (code-68)
Reading Specialist (code-59)
School Counselor (code-60)
Superintendency (code-64)

CERTIFICATE

Assistant Speech Language Pathologist Certificate
Master Reading Teacher Certificate
Master Technology Teacher Certificate

ENDORSEMENTS

Bilingual Education (code 67)
English as a Second Language (code 12)

GENERAL REQUIREMENTS FOR GRADUATE DEGREES

See Academic Regulations for Graduate Degrees for specific TAMU regulations.

SPECIFIC REQUIREMENTS FOR ALL MASTER OF SCIENCE DEGREES

All applicants seeking a Master of Science Degree, or interested in graduate coursework in the College of Education, must submit an application to the Office of Studies and Research. To be admitted to a Master's Degree Program, applicants must fulfill all the general requirements of the university for admission to graduate study including satisfying the GRE requirement. Students enrolled in Graduate Studies must maintain a "B" average to maintain an active status in the program. Candidates should consult with their advisor to determine the requirements that apply to the degree they are seeking.

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. Electives are taken to complete the thirty-six (36) hours for the degree.
2. *Prerequisites (Stem work):* Eighteen (18) hours of education course work, including twelve (12) advanced hours. For each minor: twelve (12) hours of undergraduate work, including six (6) advanced hours. The College of Education, however, retains the right to examine the applicant's prerequisites and to accept certain equivalent hours or to require additional work.
3. *Thesis:* The graduate student is expected to complete a thesis related to the major field of study. Graduate students in the College of Education may choose from a thesis or non-thesis track where available. Non-thesis track students will be required to write a major paper as prescribed by the department. Both thesis and non-thesis track students will be

required to enroll in a Research Design course. 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.

4. *Comprehensive Examination:* A comprehensive examination shall be passed by the candidate covering the major field. The passing score will be valid for one year. Students majoring in Bilingual Education, admitted Fall 2007 or after 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.
5. *A Second Master's Degree:* Students shall not be permitted to apply the same course credit to more than one master's degree. To be admitted, students must satisfy all admission requirements including satisfying the GRE requirement.
6. *Undergraduate Courses for Graduate Credit:* With the permission of the faculty advisor, up to six (6) credit hours of 4000-level courses, as indicated in the course descriptions, may be taken for graduate credit hours in the entire degree plan. These courses must include extra work over and above regular undergraduate syllabus requirements. Such work shall be prearranged with the course instructor and approved by the Departmental Chair.
7. *Leave of Absence:* Under unusual circumstances, a student may petition for a leave of absence. The student's Advisory Committee Chairperson and the Chair of the Department must approve the petition. If the petition is granted, the registration requirement will be set aside during the period of the leave and will not count towards the requirement that the student complete a master's degree within a period of five years or within the time specified for the particular program. Leaves will be granted only under conditions that require the suspension of all activities associated with the thesis.

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.

GRADUATE ADMISSION

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, GRE scores, letters of recommendation, interviews, and other relevant documentation. Applicants will be required to take each of the three parts on the GRE exam. The College may grant provisional admission for a maximum of six graduate hours to students who have not met the GRE requirement and who hold a bachelor's degree from an accredited institution. Provisional status must be removed at the end of the six semester credit hours and before any other coursework can be taken. Candidates failing to present satisfactory scores will have the option of taking and passing an Admissions Skills Exam administered by the individual Departments or retaking the GRE Exam.

BILINGUAL PROGRAM ADMISSION REQUIREMENTS

To be considered for admission to the Master of Science in Bilingual Education, the student must complete the following requirements:

1. Complete Graduate Program Admission Application.
2. Completed stem work of 18 undergraduate hours in Education to include EDBE 3322, EDBE 3325, EDBE 4334 and EDBE 4336. (Equivalents may be determined by the faculty committee)
3. Completed 9 hours of advanced Spanish courses at the 3000-4000 level (Equivalents may be determined by the faculty committee).
4. Minimum GPA 2.75.
5. Prepare 2 essays (minimum of 300 words each) explaining desire to pursue a graduate degree in Bilingual Education: one essay in English; one essay in Spanish. In addition, the admissions committee may request a personal interview with the applicant.
6. Completed GRE upon application submission (GRE scores must be within five years of application).
7. The application must be approved by at least 3 faculty members.

**MASTER OF SCIENCE IN
CURRICULUM AND INSTRUCTION (THESIS)**

MAJOR CURRICULUM **24 SCH**

EDCI 5313 Foundations of Curriculum
EDCI 5315 Advanced Instructional Methods
EDCI 5317 Evaluation of Curriculum and Instruction
EDCI 5319 Advanced Theories for Learning
EDCI 5305 Advanced Curriculum Issues in the Elementary School **OR**
EDCI 5311 Advanced Curriculum Issues in the Secondary School
EDBE 5324 Bilingual/Multicultural Teaching Strategies **OR**
EDDP 5327 Educating Diverse Populations: Teaching Diverse Students
EDGR 5320 Foundations of Educational Research
EDGR 5330 Thesis

MINOR CURRICULUM CHOSEN FROM: **12 SCH**

Bilingual Education, Early Childhood Education, Instructional Technology, Reading, Special Education, Supervision, or an Academic Discipline

TOTAL **36 SCH**

Note: Students should take EDCI 5313, 5315, 5317 and 5319 within the first 15 hours in the program.

**MASTER OF SCIENCE IN
CURRICULUM AND INSTRUCTION (NON-THESIS)**

MAJOR CURRICULUM **21 SCH**

EDCI 5313 Foundations of Curriculum
EDCI 5315 Advanced Instructional Methods
EDCI 5317 Evaluation of Curriculum and Instruction
EDCI 5319 Advanced Theories for Learning
EDCI 5305 Advanced Curriculum Issues in the Elementary School **OR**
EDCI 5311 Advanced Curriculum Issues in the Secondary School
EDBE 5324 Bilingual/Multicultural Teaching Strategies **OR**
EDDP 5327 Educating Diverse Populations: Teaching Diverse Students
EDGR 5320 Foundations of Educational Research

MINOR CURRICULUM CHOSEN FROM: **15 SCH**

Bilingual Education, Early Childhood Education, Instructional Technology, Reading, Special Education, Supervision, or an Academic Discipline*

TOTAL **36 SCH**

Note: Students should take EDCI 5313, 5315, 5317 and 5319 within the first 15 hours in the program.

*Students interested in completing 18 hours in an academic field should consult their academic advisor.

**MASTER OF SCIENCE IN EDUCATION
WITH A MAJOR IN BILINGUAL EDUCATION (THESIS)**

MAJOR CURRICULUM **24 SCH**

- EDBE 5310 History and Philosophy of Bilingual Education
- EDBE 5322 Bilingual Oral Language Assessment and Development
- EDBE 5324 Bilingual/Multicultural Teaching Strategies **OR**
- EDDP 5327 Educating Diverse Populations: Teaching Diverse Students
- EDBE 5325 Teaching English as a Second Language
- EDBE 5326 Teaching Reading and Language Arts in Spanish
- EDCI 5305 Advanced Elementary School Curriculum Problems
- EDGR 5320 Foundations of Educational Research
- EDGR 5330 Thesis **OR**
- EDSP 5399 Thesis

MINOR CURRICULUM CHOSEN FROM: **12 SCH**

*Curriculum and Instruction, Early Childhood Education, Educational Administration, Fitness and Sports, Instructional Technology, Reading, Special Education, or an Academic Discipline.

TOTAL **36 SCH**

**MASTER OF SCIENCE IN EDUCATION
WITH A MAJOR IN BILINGUAL EDUCATION (NON-THESIS)**

MAJOR CURRICULUM **24 SCH**

- EDBE 5310 History and Philosophy of Bilingual Education
- EDBE 5322 Bilingual Oral Language Assessment and Development
- EDBE 5324 Bilingual/Multicultural Teaching Strategies **OR**
- EDDP 5327 Educating Diverse Populations: Teaching Diverse Students
- EDBE 5325 Teaching English as a Second Language
- EDBE 5326 Teaching Reading and Language Arts in Spanish
- EDBE 5390 Special Issues in Bilingual Education
- EDCI 5305 Advanced Elementary School Curriculum Problems
- EDGR 5320 Foundations of Educational Research

MINOR CURRICULUM CHOSEN FROM: **12 SCH**

*Curriculum and Instruction, Early Childhood Education, Educational Administration, Fitness and Sports, Instructional Technology, Reading, Special Education, or an Academic Discipline.

TOTAL **36 SCH**

*Minor in Curriculum and Instruction: Select 12 SCH from EDCI 5300, EDCI 5305, EDCI 5307, EDCI 5311, EDCI 5315, EDCI 5317, EDCI 5340 or EDCI 5399.

Note: Students admitted Fall 2007 or after will be required to pass both a written and oral comprehensive exam to satisfy degree requirements.

**MASTER OF SCIENCE IN EDUCATION
WITH A MAJOR IN EARLY CHILDHOOD EDUCATION (THESIS)**

MAJOR CURRICULUM	18 SCH
EDBE 5324 Bilingual/Multicultural Teaching Strategies OR	
EDDP 5327 Educating Diverse Populations: Teaching Diverse Students	
EDEC 5324 Advanced Study of the Young Child	
EDEC 5328 Survey of Early Childhood Education	
EDEC 5361 Curriculum and Materials for Early Childhood Educators	
EDGR 5320 Foundations of Educational Research	
EDGR 5330 Thesis	
Two courses chosen from:	6 SCH
EDEC 5351 Special Problems Seminar Early Childhood Education	
EDEC 5362 Early Literacy	
EDEC 5365 Practicum in Early Childhood Education	
MINOR CURRICULUM CHOSEN FROM:	12 SCH
Curriculum and Instruction, Bilingual Education, Counseling Education, Fitness and Sports, Instructional Technology, Reading, Special Education, Supervision, or an Academic Discipline.	
<hr/> TOTAL	<hr/> 36 SCH

**MASTER OF SCIENCE IN EDUCATION
WITH A MAJOR IN EARLY CHILDHOOD EDUCATION (NON-THESIS)**

MAJOR CURRICULUM	18 SCH
EDBE 5324 Bilingual/Multicultural Teaching Strategies OR	
EDDP 5327 Educating Diverse Populations: Teaching Diverse Students	
EDEC 5324 Advanced Study of the Young Child	
EDEC 5328 Survey of Early Childhood Education	
EDEC 5361 Curriculum and Materials for Early Childhood Educators	
EDEC 5362 Early Literacy	
EDGR 5320 Foundations of Educational Research	
Two courses chosen from:	6 SCH
EDEC 5351 Special Problems Seminar Early Childhood Education	
EDEC 5365 Practicum in Early Childhood Education	
EDEC 5390 Special Issues in Early Childhood	
MINOR CURRICULUM CHOSEN FROM:	12 SCH
Curriculum and Instruction, Bilingual Education, Counseling Education, Fitness and Sports, Instructional Technology, Reading, Special Education, Supervision, or an Academic Discipline.	
<hr/> TOTAL	<hr/> 36 SCH

**MASTER OF SCIENCE IN EDUCATION
WITH A MAJOR IN EDUCATIONAL ADMINISTRATION (THESIS)**

PHASE I: CORE COURSES	15 SCH
EDAM 5301 School Administration	
EDAM 5305 Organization and Evaluation of Curriculum	
EDAM 5320 Principalship	
EDGR 5308 History and Philosophy of Education	
EDGR 5320 Research Design	
PHASE II:	12 SCH
EDAM 5313 Public School Finance	
EDAM 5321 Technology Leadership for School Administrators	
EDAM 5322 Public School Law	
EDAM 5325 Research in Learning and Teaching	
PHASE III:	9 SCH
EDAM 5327 Advanced Problems in Supervision	
EDAM 5332 Educational Facilities Planning	
EDGR 5330 Thesis (or EDAM 5338)*	

TOTAL Master of Science in School Administration	36 SCH
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*EDAM 5338 Education of Special Populations (Non-thesis route for EDGR 5330).

CERTIFICATION COURSES

PHASE IV:	9 SCH
EDAM 5335 Practicum in School Administration I*	
EDAM 5317 Special Topics: Contemporary Problems in School Administration	
EDAM 5336 Practicum in School Administration II*	
*EDAM 5637 Internship in Clinical Leadership (University-school collaborative)	

**MASTER OF SCIENCE IN EDUCATION
WITH A MAJOR IN READING (THESIS)**

MAJOR CURRICULUM	24 SCH
EDGR 5320 Foundations of Educational Research	
EDCI 5330 Thesis Writing in Curriculum and Instruction OR	
EDGR 5330 Thesis	
EDRD 5303 Theoretical Models and Processes of Reading	
EDRD 5305 Content Reading	
EDRD 5309 Theory and Practice of Early Reading Development	
EDRD 5313 Design, Implementation and Evaluation of Reading Programs	
EDRD 5319 Advanced Diagnosis of Reading Difficulties	
EDRD 5323 Individualized Instruction in Reading	
MINOR CURRICULUM CHOSEN FROM:	12 SCH
*Curriculum and Instruction, Bilingual Education, Early Childhood Education, Elementary Education, Fitness and Sports, Instructional Technology, Secondary Education, Special Education, Supervision, or an Academic Discipline.	
GRADUATE ELECTIVE	3 SCH
One course chosen from:	
EDDP 5327 Educating Diverse Populations: Teaching Diverse Students OR	
EDBE 5324 Bilingual/Multicultural Teaching Strategies	
TOTAL	39 SCH

**MASTER OF SCIENCE IN EDUCATION
WITH A MAJOR IN READING (NON-THESIS)**

MAJOR CURRICULUM **24 SCH**

- EDGR 5320 Foundations of Educational Research
- EDRD 5303 Theoretical Models and Processes of Reading
- EDRD 5305 Content Reading
- EDRD 5309 Theory and Practice of Early Reading Development
- EDRD 5313 Design, Implementation and Evaluation of Reading Programs
- EDRD 5319 Advanced Diagnosis of Reading Difficulties
- EDRD 5323 Individualized Instruction in Reading
- EDRD 5321 Practicum in Diagnosis & Remediation of Reading Difficulties **OR**
- EDRD 5399 Special Issues in Reading

MINOR CURRICULUM CHOSEN FROM: **12 SCH**

*Curriculum and Instruction, Bilingual Education, Early Childhood Education, Elementary Education, Fitness and Sports, Instructional Technology, Secondary Education, Special Education, Supervision, or an Academic Discipline.

GRADUATE ELECTIVE **3 SCH**

One course chosen from:

- EDDP 5327 Educating Diverse Populations: Teaching Diverse Students **OR**
- EDBE 5324 Bilingual/Multicultural Teaching Strategies

TOTAL **39 SCH**

*Minor in Curriculum and Instruction: Select 12 SCH from EDCI 5300, EDCI 5305, EDCI 5307, EDCI 5311, EDCI 5315, EDCI 5317, EDCI 5340 or EDCI 5399.

**MASTER OF SCIENCE IN
EDUCATION INTERVENTIONS FOR AUTISM (THESIS)**

MAJOR CURRICULUM **30 SCH**

- EDSE 5350 Assessment for Diagnosis and Interventions
- EDSE 5360 Essential Behavior Principles
- EDSE 5361 Analytic Techniques in Applied Behavior Analysis
- EDSE 5362 Research and Applications I Applied Behavior Analysis
- EDSE 5364 Collaboration and Consultation in Educational Settings
- EDSE 5370 Introduction to Evidence Based Interventions in Autism
- EDSE 5371 Teaching and Positive Behavior Support in Autism
- EDSE 5372 Intervention Programs in Autism
- EDSE 5373 Current Issues in the Education and Behavior Treatment of Autism
- EDSE 5398 Research Design

COMMUNICATION DISORDERS **6 SCH**

- CSDO 5306 Language Issues and Interventions for Persons with Autism Spectrum Disorders
- CSDO 5307 Augmentative and Alternative Communication

SUPERVISED PRACTICUM EXPERIENCE **3 SCH**

- EDSE 5365 Special Education Graduate Practicum

THESIS **3 SCH**

- EDSE 5399 Thesis

Successful completion of thirty hours of the major curriculum (including EDSE 5362) and Written Comprehensive Exam is required prior to enrolling in EDSE 5399.

TOTAL **42 SCH**

MASTER OF SCIENCE IN SCHOOL COUNSELING

MAJOR CURRICULUM	30 SCH
EDCU 5304 Introduction to Counseling	
EDCU 5305 Personality and Counseling Theories	
EDCU 5306 Appraisal Techniques in Child and Adolescent Counseling	
EDCU 5307 School Counseling	
EDCU 5308 Career Development and Life Planning	
EDCU 5309 Counseling Diverse Populations	
EDCU 5314 Pre-Practicum Skills and Techniques	
EDCU 5315 Group Counseling	
EDGR 5320 Research Design	
PSYC 5305 Human Development Across the Life Span	
CLINICAL EXPERIENCES	9 SCH
EDCU 5316 School Counseling Practicum	
EDCU 5317 School Counseling Internship (Part A)	
EDCU 5318 School Counseling Internship (Part B)	
COUNSELING RELATED ELECTIVES	6 SCH
Two courses chosen from:	
EDAM 5322 Public School Law	
EDCU 5399 Special Topics	
EDSE 5305 Survey of Special Education	
EDSE 5310 Survey of Mild Disabilities	
EDSE 5313 Survey of Moderate, Severe and Profound Disabilities	
EDSE 5325 Classroom Behavior Management of Exceptional Children	
PSYC 5307 Psychopathology	
THESIS	3 SCH
EDGR 5330 Thesis OR Counseling elective chosen from those listed above.	
<hr/> TOTAL	<hr/> 48 SCH

MASTER OF SCIENCE IN SPECIAL EDUCATION (THESIS)

CORE CURRICULUM	24 SCH
EDSE 5307 Evidence-Based Practice for Students with Disabilities	
EDSE 5309 Special Education Law and Ethical Responsibilities	
EDSE 5311 Issues in Disability Throughout the Lifespan	
EDSE 5320 Measurement and Evaluation	
EDSE 5325 Classroom and Behavior Management of Exceptional Children	
EDSE 5364 Consultation and Collaboration in Educational Settings	
EDGR 5320 Foundations of Educational Research OR	
EDSE 5398 Research Design	
EDGR 5330 Thesis OR	
EDSP 5399 Thesis	
MINOR CURRICULUM	12-18 SCH
Minors to be selected from one of the areas listed below:	
APPLIED BEHAVIORAL ANALYSIS	
EDSE 5360 Essential Behavior Principals	
EDSE 5361 Analytic Techniques in Applied Behavior Analysis	
EDSE 5362 Research and Applications in Applied Behavior Analysis	
EDSE 5363 Ethical, Legal and Professional Standards	
EDSE 5365 Special Education Graduate Practicum	
AUTISM SPECTRUM DISORDER INTERVENTIONS	
EDSE 5370 Introduction to Evidence Based Intervention in Autism	
EDSE 5371 Teaching and Positive Behavior Support in Autism	
EDSE 5372 Intervention Program Models in Autism	

EDSE 5373 Current Issues in the Education and Behavioral Treatment of Autism
EDSE 5374 Consultation and Collaboration for Autism Specialist

BILINGUAL EDUCATION

EDBE 5322 Bilingual Oral Language Assessment and Development
EDBE 5324 Bilingual/Multicultural Teaching Strategies **OR**
EDDP 5327 Educating Diverse Populations: Teaching Diverse Students
EDBE 5325 Teaching English as a Second Language
EDBE 5326 Teaching Reading and Language Arts in Spanish

CURRICULUM EDUCATION

EDCI 5313 Foundations of Curriculum
EDCI 5315 Advanced Instructional Methods
EDCI 5317 Evaluation of Curriculum and Instruction
EDCI 5319 Advanced Theories in Learning

EARLY CHILDHOOD EDUCATION

EDEC 5351 Special Problems Seminar in Early Childhood Education
EDEC 5361 Curriculum and Materials for Early Childhood Educators
EDEC 5362 Early Literacy
EDEC 5365 Practicum in Early Childhood Education
EDSE 5350 Trends and Issues in Diagnostics

EDUCATIONAL ADMINISTRATION

EDAM 5301 School Administration
EDAM 5305 Organization and Evaluation of Curriculum
EDAM 5321 Leadership in Technology for School Administrators
EDAM 5322 Public School Law

EDUCATIONAL DIAGNOSTICS

EDSE 5330 Academic Achievement Assessment
EDSE 5340 Psychometrics
EDSE 5345 Practicum in Educational Diagnostics

FITNESS AND SPORTS

EDFS 5301 Advanced Exercise Physiology
EDFS 5303 Physiology of Aging
EDFS 5311 Performance Enhancement in Sports
EDFS 5313 Applied Sports Psychology
EDFS 5321 Sports Pedagogy
EDFS 5323 Curriculum in Physical Education

READING

EDRD 5303 Theoretical Models and Processes of Reading
EDRD 5305 Content Reading Instruction **OR**
EDRD 5323 Individualized Instruction in Reading
EDRD 5313 Organization and Evaluation of Reading Programs
EDRD 5319 Advanced Diagnosis of Reading Difficulties

SCHOOL COUNSELING

EDCU 5304 Introduction to Counseling
EDCU 5305 Personality and Counseling Theories
EDCU 5306 Appraisal Techniques in Child and Adolescent Counseling
EDCU 5308 Career Development and Life Planning **OR**
EDCU 5309 Counseling Diverse Populations

TOTAL

36 - 42 SCH

**MASTER OF SCIENCE IN
SPECIAL EDUCATION (NON-THESIS)**

CORE CURRICULUM

24 SCH

- EDSE 5307 Evidence-Based Practice for Students with Disabilities
- EDSE 5309 Special Education Law and Ethical Responsibilities
- EDSE 5311 Issues in Disability Throughout the Lifespan
- EDSE 5320 Measurement and Evaluation
- EDSE 5325 Classroom and Behavior Management of Exceptional Children
- EDSE 5364 Consultation and Collaboration in Educational Settings
- EDGR 5320 Foundations of Educational Research **OR**
- EDSE 5398 Research Design
- EDSE 5390 Special Issues in Special Education **OR**
- EDSP 5397 Professional Paper

MINOR CURRICULUM

12-18 SCH

Minors to be selected from one of the areas listed below:

BILINGUAL EDUCATION

- EDBE 5322 Bilingual Oral Language Assessment and Development
- EDBE 5325 Teaching English as a Second Language
- EDBE 5326 Teaching Reading and Language Arts in Spanish
- EDBE 5324 Bilingual/Multicultural Teaching Strategies **OR**
- EDDP 5327 Educating Diverse Populations: Teaching Diverse Students

CURRICULUM EDUCATION

- EDCI 5313 Foundations of Curriculum
- EDCI 5315 Advanced Instructional Methods
- EDCI 5317 Evaluation of Curriculum and Instruction
- EDCI 5319 Advanced Theories in Learning

EARLY CHILDHOOD EDUCATION

- EDEC 5351 Special Problems Seminar in Early Childhood Education
- EDEC 5361 Curriculum and Materials for Early Childhood Educators
- EDEC 5362 Early Literacy
- EDEC 5365 Practicum in Early Childhood Education

EDUCATIONAL ADMINISTRATION

- EDAM 5301 School Administration
- EDAM 5305 Organization and Evaluation of Curriculum
- EDAM 5321 Leadership in Technology for School Administrators
- EDAM 5322 Public School Law

EDUCATIONAL DIAGNOSTICS

- EDSE 5330 Academic Achievement Assessment
- EDSE 5340 Psychometrics
- EDSE 5345 Practicum in Educational Diagnostics
- EDSE 5350 Trends and Issues in Diagnostics

FITNESS AND SPORTS

- EDFS 5301 Advanced Exercise Physiology
- EDFS 5303 Physiology of Aging
- EDFS 5311 Performance Enhancement in Sports
- EDFS 5313 Applied Sports Psychology
- EDFS 5321 Sports Pedagogy
- EDFS 5323 Curriculum in Physical Education

READING

- EDRD 5303 Theoretical Models and Processes of Reading
- EDRD 5305 Content Reading Instruction **OR**
- EDRD 5323 Individualized Instruction in Reading
- EDRD 5313 Organization and Evaluation of Reading Programs
- EDRD 5319 Advanced Diagnosis of Reading Difficulties

SCHOOL COUNSELING

- EDCU 5304 Introduction to Counseling
- EDCU 5305 Personality and Counseling Theories

EDCU 5306 Appraisal Techniques in Child and Adolescent Counseling
 EDCU 5308 Career Development and Life Planning **OR**
 EDCU 5309 Counseling Diverse Populations

TOTAL **36 - 42 SCH**

REQUIREMENTS FOR PROFESSIONAL CERTIFICATES

1. Master's degree.
2. Three years of acceptable and successful teaching experience.
3. Valid Texas Teaching Certificate.
4. Completion of graduate coursework as listed on the Certificate plan.
5. After completion of coursework, the student must pass the specific Texas Examinations of Educator Standards (TExES) exam for the certificate, unless no test is required. See certificate plan for exam code.

**PROFESSIONAL CERTIFICATE
 EDUCATIONAL DIAGNOSTICIAN**

REQUIREMENTS*

1. Master's Degree.
2. Three years of acceptable and successful teaching experience, with at least one year in special education.**
3. Valid Texas Teacher Certificate.
4. TExES - Educational Diagnostician (Code 61).

EDUCATION OF CHILDREN WITH DISABILITIES **9 SCH**

EDSE 5305 Survey of Special Education
 EDSE 5310 Survey of Mild Disabilities
 EDSE 5315 Survey of Moderate, Severe and Profound Disabilities

PSYCHOEDUCATIONAL AND OTHER DIAGNOSTIC PROCEDURES **9 SCH**

EDSE 5330 Academic Achievement Assessment¹
 EDSE 5340 Psychometrics¹
 EDSE 5345 Practicum in Educational Diagnostics

HUMAN DEVELOPMENT **3 SCH**

EDEC 5324 Advanced Study of the Young Child

LEARNING THEORY **6 SCH**

EDSE 5350 Trends and Issues in Diagnostics

One course chosen from:

EDCI 3301 Theory and Practice for Public School Teaching
 EDCI 5300 Teaching and Learning Principles in the Public Schools

INSTRUCTIONAL MODIFICATIONS WITH PRACTICAL APPLICATIONS **6 SCH**

EDSE 5320 Measurement and Evaluation
 EDSE 5325 Classroom & Behavior Management of Exceptional Children

TOTAL **33 SCH**

*See requirements for Professional Certificates above.

**EDSE 5390 is required for students lacking at least one academic year of experience as a teacher in a special education classroom, or passing the state-mandated examinations for teaching certification in special education.

Course substitutions for the above courses may be made w/approval of the Department Chair.

**PROFESSIONAL CERTIFICATE
PRINCIPAL STANDARD CERTIFICATE**

REQUIREMENTS*

1. Master's Degree.
2. Three years of acceptable and successful teaching experience.
3. Valid Texas Teacher Certificate.
4. Standard Principal (Code 68).

CORE COURSES

12 SCH

- EDAM 5301 School Administration
 EDAM 5321 Leadership in Technology for School Administrators
 EDAM 5305 Organization and Evaluation of Curriculum
 EDGR 5308 History and Philosophy of Education

PHASE I:

18 SCH

- EDAM 5313 Public School Finance
 EDAM 5320 Principalship
 EDAM 5322 Public School Law
 EDAM 5325 Research in Learning and Teaching
 EDAM 5327 Advanced Problems in Supervision
 EDAM 5332 Educational Facilities Planning

PHASE II:

3 SCH

- EDGR 5320 Research Design

PHASE III:

9 SCH

- EDAM 5317 Special Topics: Contemporary Problems in School Administration
 EDAM 5335 Practicum in School Administration I
 EDAM 5336 Practicum in School Administration II

ELECTIVE

3 SCH

- EDAM 5340 Critical Issues in Education

TOTAL

45 SCH

*See requirements for Professional Certificates in this section.

**PROFESSIONAL CERTIFICATE
READING SPECIALIST**

REQUIREMENTS*

1. Master's Degree.
2. Three years of acceptable and successful teaching experience.
3. Valid Texas Teacher Certificate.
4. Reading Specialist (Code 59).

Coursework: **21 SCH**

- EDBE 5322 Bilingual Oral Language Assessment and Development
- EDRD 5303 Theoretical Models and Processes of Reading
- EDRD 5305 Content Reading Instruction
- EDRD 5309 Seminar in Reading
- EDRD 5313 Organization and Evaluation of Reading Programs
- EDRD 5319 Advanced Diagnosis of Reading Difficulties
- EDRD 5323 Individualized Instruction in Reading

One course chosen from: **3 SCH**

- EDBE 5324 Bilingual/ Multicultural Teaching Strategies **OR**
- EDDP 5327 Educating Diverse Population: Teaching Diverse Students
- SOCI 4317 Race and Ethnic Relations
- SOCI 5301 Advanced Topics in Sociology
- SOCI 5309 Immigration and Biculturalism

One course chosen from: **3 SCH**

- EDCI 5340 Measurement and Assessment in Education
- PSYC 4308 Theory and Principles of Psychological Testing
- PSYC 5355 Practicum in Psychometrics

TOTAL **27 SCH**

*See requirements for Professional Certificates in this section.

**PROFESSIONAL CERTIFICATE
SCHOOL COUNSELOR**

REQUIREMENTS*

1. Master's Degree.
2. Valid Texas Teacher Certificate.
3. Two years teaching experience.
4. TExES #152 - School Counselor.

CORE CURRICULUM

30 SCH

- | | |
|-----------|--|
| EDCU 5304 | Introduction to Counseling |
| EDCU 5305 | Personality and Counseling Theories |
| EDCU 5306 | Appraisal Techniques |
| EDCU 5307 | School Counseling |
| EDCU 5308 | Career Development and Life Planning |
| EDCU 5309 | Counseling Diverse Populations |
| EDCU 5314 | Practicum Skills and Techniques |
| EDCU 5315 | Group Counseling |
| EDGR 5320 | Research Design |
| PSYC 5305 | Human Development Across the Life Span |

CLINICAL EXPERIENCE

3 SCH

- | | |
|-----------|----------------------|
| EDCU 5316 | Counseling Practicum |
|-----------|----------------------|

TOTAL

33 SCH

*See requirements for Professional Certificates in this section.

**PROFESSIONAL CERTIFICATE
SPECIAL EDUCATION COUNSELOR**

REQUIREMENTS

1. Valid Texas School Counselor Certificate.
2. Six semester hours in Special Education, i.e., EDSE 5305 Survey of Special Education and EDSE 5310 Survey of Mild Disabilities (or its equivalent).
3. The Special Education Counselor certificate does **not** require a certification exam.

*See requirements for Professional Certificates in this section.

**PROFESSIONAL CERTIFICATE
SUPERINTENDENCY**

REQUIREMENTS*

1. Master's Degree
2. Five years teaching experience
3. Valid Texas Mid-Management Administrator Certificate
4. Superintendency (Code 64)

Coursework:

- | | |
|-----------|---|
| EDAM 5352 | Public School Business Affairs |
| EDAM 5354 | School Public Relations |
| EDAM 5356 | Educational Assessment, Research and Practice |
| EDAM 5360 | The Superintendency |
| EDAM 5365 | Superintendent Practicum |

TOTAL

15 SCH

*See requirements for Professional Certificates in this section.

ASSISTANT SPEECH-LANGUAGE PATHOLOGIST CERTIFICATE

REQUIREMENTS

1. Bachelor's degree.
2. Admission to the College of Education

REQUIRED COURSEWORK*

26 SCH

CSDO 3122	Observation in Speech-Language Pathology
CSDO 3126	Clinical Practice in Speech-Language Pathology
CSDO 3305	Introduction to Communication Disorders
CSDO 3313	Introduction to Audiology
CSDO 3321	Anatomy and Physiology of the Speech Mechanism
CSDO 3325	Phonetics
CSDO 4321	Articulatory and Phonological Disorders
CSDO 4331	Speech and Hearing Science
CSDO 4333	Normal Language Acquisition
CSDO 4335	Language Disorders in Children and Adults

TOTAL

26 SCH

*See requirements for Professional Certificates in this section.

MASTER READING TEACHER CERTIFICATE

REQUIREMENTS*

1. Bachelor's Degree with a 2.5 grade point average.
2. Valid Texas teacher certificate
3. Three years acceptable teaching experience
4. Submit appropriate documentation as prescribed in application to certification program.
5. Successful completion of the Master Reading Teacher Certification examination.

Coursework:

EDRD 5309	Theory and Practice of Early Reading Development
EDRD 5313	Design, Implementation and Evaluation of Reading Programs
EDRD 5319	Advanced Diagnosis of Reading Difficulties

TOTAL

9 SCH

MASTER TECHNOLOGY TEACHER CERTIFICATE

REQUIREMENTS

1. Bachelor's degree with a grade point average of 2.5.
2. Valid Texas teaching certificate.
3. Three years acceptable teaching experience.
4. Submit appropriate documentation as prescribed in application to certificate program.
5. Successful completion of the Master Technology Teacher Certificate examination.

Coursework:

EDIT 5310	Instructional Design and Theory
EDIT 5310	Instructional Technology and the Social Sciences
EDIT 5320	Integrating Technology into the Curriculum
EDIT 5330	Courseware and Presentation Tools
EDIT 5340	Project-Based Web Design and Development
EDIT 5350	Seminar in Instructional and Assistive Technology
EDIT 5360	Collaborative Design of Visual Multimedia and Print-Based Materials
EDIT 5370	Instructional Applications of Interactive Video.

TOTAL

24 SCH

REQUIREMENTS FOR ENDORSEMENTS

1. Bachelor's degree.
2. Acceptable teaching experience (see degree plan for number of years experience required).
3. Valid Texas Teaching Certificate.
4. Completion of coursework as listed on the Endorsement plan.
5. After completion of coursework, the student must pass the appropriate Texas Examinations of Educator Standards (TExES) unless no test is required. See endorsement plan for exam code.

After completing the above requirements for EITHER the Professional Certificate or Endorsement, the student must submit an Application for Certification to the Certification Officer for processing.

BILINGUAL EDUCATION ENDORSEMENT

REQUIREMENTS*

1. One year of acceptable teaching experience in an organized/approved Bilingual Education Program.
2. Bilingual Education (Code 67).
3. Texas Oral Proficiency Test (Code 81).

Plan I: Post-Baccalaureate Endorsement

EDBE 3322	Dual Language Assessment and Development
EDBE 3325	Dual Language Methods for ECE Bilingual Instruction
EDBE 4334	Teaching the Content areas in Dual Language Environment/ECE-4th
EDBE 4336	Language Arts in Spanish

TOTAL**12 SCH**

Plan II: Graduate Level Endorsement

EDBE 5322	Bilingual Oral Language Assessment and Development
EDBE 5324	Bilingual/Multicultural Teaching strategies
EDBE 5325	Teaching English as a Second Language
EDBE 5326	Teaching Reading and Language Arts in Spanish

TOTAL**12 SCH**

**ENDORSEMENT
ENGLISH AS A SECOND LANGUAGE (ESL)**

REQUIREMENTS*

1. Valid Texas Teacher Certificate.
2. One year of acceptable teaching experience in an organized/approved English as a Second Language program.
3. English as a Second Language (Code 12).

Plan I: Post-Baccalaureate Endorsement

EDBE	3322	Dual Language Assessment and Development
EDBE	3325	Dual Language Methods for ECE Bilingual Instruction
ENGL	3347	General Linguistics
ENGL	4347	Contrastive Linguistics

TOTAL	12 SCH
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Plan II: Graduate Level Endorsement

EDBE	5322	Bilingual Oral Language Assessment and Development
EDBE	5325	Teaching English as a Second Language
ENGL	5304	General Linguistics
ENGL	5347	Contrastive Linguistics

TOTAL	12 SCH
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Plan III: Graduate Level On-Line Endorsement

EDSP	5380	Foundations of English as a Second Language
EDSP	5382	Methods of ECE Bilingual Instruction
EDSP	5384	ESL Assessment and Development
EDSP	5386	English as Second Language Communities

TOTAL	12 SCH
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*See requirements for Endorsements in this section.

COLLEGE OF NURSING AND HEALTH SCIENCES GRADUATE DEGREE

GRADUATE DEGREE

Master of Science in Nursing - Family Nurse Practitioner

DR. F. M. CANSECO SCHOOL OF NURSING

The purpose of the Master of Science in Nursing degree program in the Canseco School of Nursing of the College of Nursing and Health Sciences is to produce culturally competent nursing leaders who are prepared with role specialization as a Family Nurse Practitioner (FNP). The curriculum is designed to prepare nurses for an increasingly active role in evidence based practice to improve patient/client care outcomes by translating research into practice. Graduates of the program will be eligible to take national certification examinations in their specialty.

CURRICULUM

The curriculum includes coursework required by the Texas Board of Nurse Examiners (BNE) to be qualified as an Advanced Practice Nurse (APN). The Texas Board of Nurse Examiners (BNE) defines 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 homes, hospitals, 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>)

GENERAL REQUIREMENTS

See Academic Regulations-Graduate Degrees for Specific TAMU regulations.

Admission: To be admitted to the School of Nursing, applicants must submit an application for Graduate Studies. The Office of Studies and Research receives, processes and forwards the application and any additional documentation to the Graduate Admissions Committee and informs the applicant of the program admission decision.

IMPORTANT: Visit the Office of Graduate Studies and Research for additional admission information/requirements.

A complete application includes:

1. A valid RN license without restrictions in the State of Texas.
2. A brief statement in the Student Narrative addressing how the student's concept of nursing will change as a result of this educational experience.
2. A minimum of one year of work experience as a Registered Nurse.
3. A baccalaureate nursing degree from a nationally discipline accredited college or university.
4. Successful completion of an undergraduate statistics course.
5. A minimum grade point average of 3.0 or better (on a 4.0 scale) for all college work and a 3.0 in all upper division courses.
6. A personal interview with a faculty member.
7. Three academic and professional references indicating achievement and motivation for graduate study. At least one reference should be from a faculty member who taught in the applicant's baccalaureate degree.
8. Special conditions:
 - a. Degree-seeking students who are Registered Nurses with baccalaureate degrees in disciplines other than nursing and who meet all other requirements for admission into the MSN degree program are required to

enroll in 27 hours of undergraduate nursing coursework, designated as follows: NURS 3314, NURS 3315, NURS 4375, NURS 4440, NURS 4470, NURS 4463 and NURS 4622.

- b. Graduates of baccalaureate level foreign nursing schools may be eligible to enroll in collaborative MSN degree programs between TAMIU and collaborating schools of nursing in Mexico and Latin America.

In addition, the following must be submitted separately to the Dean of the College of Nursing and Health Sciences:

1. Immunizations: DT (Diphtheria/Tetanus), Measles, Mumps, Rubella, Hepatitis B vaccine or informed refusal, TB Skin Test, Varicella.
2. Verification of drug and criminal background screening by a designated company or agency at student expense.

Provisional Admission Requirements: If the requirements for full admission are not met, provisional admission may be available. The Admissions Committee of the School of Nursing will review any application for provisional admission.

Special Student Enrollment: Based on certain circumstances, it may be appropriate for an individual to enroll for coursework in the Master of Science in Nursing courses as a special non-degree seeking student. Enrollment will be limited to selected courses and would not grant the student admission to the degree program.

Leave of Absence: Under unusual circumstances, a student may petition for a leave of absence. The student's Advisory Committee Chairperson and the Dean must approve the petition. If the petition is granted, the registration requirement will be set aside during the period of the leave and will not count towards the requirement that the student complete a master's degree within a period of five years or within the time specified for the particular program. A leave of absence will be granted only under conditions that require the suspension of all activities associated with the thesis.

PROGRESSION, RETENTION, SUSPENSION

1. 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.
2. Academic probation status will be removed in accordance with University policy.
3. Students earning a grade of F, W or I (Incomplete) may not progress to courses for which that course is a prerequisite.
4. Students who earn a third C or below in the program cannot progress further and will be required to withdraw from the program.
5. 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. Personal integrity is reflected in professional judgments. Consequently, the Canseco School of Nursing reserves the right to dismiss students from the program for unprofessional or unsafe behavior. (See Canseco School of Nursing Student Handbook for examples.)
6. Reapplication may be considered after 12 consecutive months following withdrawal or dismissal. 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 (See catalog section on Academic Regulations - Graduate).

REPETITION OF A COURSE

Repetition of a Course to Raise a Grade: 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 one time. 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.

ACADEMIC REQUIREMENTS FOR GRADUATE WORK

Good Standing: Graduate students, including degree-seeking, certificate-seeking, and non-degree-seeking students, are considered in "good academic standing," making satisfactory academic progress, if they maintain a minimum 3.0 cumulative grade point average (GPA) on all graduate course work; and earn a 3.0 semester average on all course work.

Minimum grade requirement: Only grades of A, B, C, S (Satisfactory), and CR (Credit) are acceptable for graduate credit. Grades of F, U (Unsatisfactory) or NC (No credit) are not accepted for graduate credit. No more than two grades of C earned at this University will be accepted as credit for any nursing graduate program.

ACADEMIC PROBATION AND SUSPENSION

Placement on Academic Probation: A nursing graduate student will be placed on academic probation if, at the end of any semester or term, the student's cumulative grade point average falls below 3.0 and/or the student's semester grade point average is below 3.0. A nursing graduate student receiving a second C grade or lower will be placed on academic probation.

Removal from Academic Probation: A student must achieve a cumulative 3.0 GPA while in the graduate nursing program to be removed from academic probation if academic probation was due to unsatisfactory GPA.

A student who receives two grades of C or less may be removed from academic probation if the student achieves a cumulative 3.0 GPA.

A student will not be placed on academic probation in a graduating semester if the cumulative GPA is 3.0 or higher and there are no more than two C's for courses on the degree plan.

Placement on Academic Suspension: A student who is on academic probation will be placed on academic suspension if

- The student's grade point average for the subsequent semester falls below 3.0 or
- The student receives a third grade of C or lower.

Reinstatement: A student on academic suspension 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 academic suspension. The application may be submitted prior to the requested enrollment date.

MASTER OF SCIENCE IN NURSING FAMILY NURSE PRACTITIONER

MAJOR CURRICULUM - NURSING 12 SCH

Required Core Courses:

NURS 5301 Theoretical Foundations for Advanced Practice Nursing

NURS 5302 Research Methods/Designs in Nursing

NURS 5304 Advanced Practice Role

NURS 5310 Diversity and Social Issues in Health Care

Advanced Practice Foundation Courses: 10 SCH

NURS 5303 Advanced Pathophysiology

NURS 5305 Advanced Pharmacotherapeutics

NURS 5406 Advanced Health Assessment

Family Nurse Practitioner Role Courses: 23 SCH

NURS 5211 Diagnostic Laboratory

NURS 5407 FNP I: Wellness and Health Promotion

NURS 5608 FNP II: Management of Acute and Chronic Illness, Part I

NURS 5509 FNP III: Management of Acute and Chronic Illness, Part II

NURS 5612 FNP IV: Integrated Practicum

TOTAL	45 SCH
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UNIVERSITY COLLEGE COURSE DESCRIPTIONS

Not all courses listed in this catalog will be available each term. A final list of classes to be offered during a given term will be published in the University's Schedule of Classes which includes the hour, day, location, and professor for each class. This schedule is issued at least one month prior to the fall and spring semester, as well as the summer sessions.

DEVELOPMENTAL STUDIES

DENG 0010 *Basic Grammar*. Non-Credit.

Basic review of grammar, mechanics, usage, sentence construction, and the writing process. Required use of the Writing Center services as determined by instructor. Students completing course successfully will not earn University credit nor credit for graduation. (Computer based instruction). Course fee: \$75.

DENG 0370 *Basic Grammar and Composition*. Three semester hours. (Four hours contact time - includes one hour lab)

This course focuses on the writing of paragraphs, essays and other basic writing skills as determined by the instructor. Students completing course successfully will earn University credit but not credit toward graduation. Prerequisite: A minimum THEA 200 or equivalent score on COMPASS or ACCUPLACER.

DMAT 0010 *Basic Mathematics and Pre-Algebra*. Non-credit.

Arithmetic, decimals, fractions, percents, basic algebra, and units of measurements. Students completing course successfully will not earn University credit nor credit for graduation. (Computer based instruction). Course fee: \$75.

DMAT 0300 *Beginning Algebra*. Three semester hours. (Four hours contact time - includes one hour lab)

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. Prerequisite: Successful completion of DMAT 0010 or test placement.

DMAT 0301 *Intermediate Algebra*. Three semester hours. (Four hours contact time - includes one hour lab)

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. Prerequisite: Successful completion of DMAT 0300 or test placement.

DRDG 0010 *College Reading I*. Non-credit.

Basic reading strategies for academic success. Instruction includes vocabulary development, usage and comprehension. Students completing course successfully will not earn University credit nor credit for graduation. (Computer based instruction). Course fee: \$75.

DRDG 0301 *College Reading II*. Three semester hours. (Four hours contact time - includes one hour lab)

This course is designed to expand students' ability to learn at the college level through effective and efficient reading strategies. Inferential and interpretive comprehension skills will be stressed along with analysis, synthesis, and meta-cognitive processes. Students completing course successfully will earn University credit but not credit toward graduation. Prerequisite: Successful completion of DRDG 0010 or test placement.

UNIV 1101 *Learning in a Global Context I*. One semester hour (2 hours contact)

This course focuses on models of academic success through assignments that apply learning theories and an international perspective to student coursework. Writing, class discussion, and small group work promote academic success through core curriculum focused assignments. Cognitive and attitudinal self-assessment tools, academic survival skills, and student life resources through peer mentoring and awareness of university support programs are also included. Students are not allowed to withdraw from this course without written authorization from the Executive Director of University College.

UNIV 1102 *Learning in a Global Context II*. One semester hour (2 hours contact)

This course continues the UNIV 1101 discussion and application of interdisciplinary learning and its connection to international issues. 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 mentoring and awareness of university resources is also included, particularly as they apply to career choice through self-assessment and goal setting. Students are not allowed to withdraw from this course without written authorization from the Executive Director of University College. Prerequisite: UNIV 1101.

UNIV 2301 *Foundations of Leadership*. Three semester hours.

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.

UNIV 4301 *International Leadership Capstone*. Three semester hours.

This course explores leadership in an international context and builds on material from UNIV 2301. It includes interaction with guest speakers who serve as models of leadership within a variety of areas. Identification of leadership ability through introspection and self-understanding. This course is a capstone which will include assessment of student learning outcomes through a posttest linked to the pretest in UNIV 2301. Prerequisite: UNIV 2301.

ENGLISH AS A SECOND LANGUAGE

EFL 1404 *ESL Level 4: Listening, Speaking, and Grammar*. Four semester hours.

High-intermediate. Examination and practice of more difficult structures in English grammar: noun, adjective and adverb clauses/phrases; gerunds; infinitives; discourse connectors and conditionals. Students develop the ability to listen and speak in an academic context via audiocassettes, videos, group work, class discussions, debates, and oral presentations. Fluency, pronunciation, and intonation are emphasized. Students completing this course successfully will earn University credit but not credit towards graduation requirements. Lab requirement: 10 hours. Prerequisite: test placement or completion of ESL Level 3.

EFLR 1404 *ESL Level 4: Reading and Writing*. Four semester hours.

High-intermediate. Students learn various paragraph styles (process, definition, descriptive, classification, comparison-contract, and cause-effect), develop logical relationships in a coherent manner and use appropriate transitions and correct grammatical structures. Pre-writing, drafting, revising, editing, paraphrasing, summarizing, and quoting techniques are emphasized. Effective reading comprehension and vocabulary development skills are taught through inference, deduction, and other critical thinking skills. Students completing course successfully will earn University credit but not credit towards graduation. Lab requirement: 10 hours. Prerequisite: test placement or completion of ESL Level 3.

EFL 1405 *ESL Level 5: Listening, Speaking, and Grammar*. Four semester hours.

Low-advanced. Review and expansion of English grammar: verb tenses and modal auxiliaries in active and passive voice, count and non-count nouns, various types of noun modifiers, and adjective clauses/phrases. Students practice strategies to listen and speak clear and appropriate English in a variety of academic situations through audiovisuals, in-class discussions and presentations. Pronunciation skills are addressed as needed, and successful aural comprehension and oral production of targeted grammar points are assessed. Students completing course successfully will earn University credit but not credit towards graduation. Lab requirement: 10 hours. Prerequisite: test placement or completion of ESL Level 4.

EFLR 1405 *ESL Level 5: Reading and Writing*. Four semester hours.

Low-advanced. Expand academic essay writing and reading skills. Students learn various essay types to express ideas and opinions, defend a position and improve mechanical skills to edit their own work. Skimming and scanning techniques, identification of implied and inferred concepts, and the use of context clues for effective reading comprehension and vocabulary improvement are emphasized. Students completing course successfully will earn University credit but not credit towards graduation. Lab requirement: 10 hours. Prerequisite: test placement or completion of ESL Level 4.

EFL 1406 *ESL Level 6: Listening, Speaking, and Grammar*. Four semester hours.

High-advanced. Prepares students for academic course work through the study of advanced English grammar: auxiliary verbs, phrasal verbs, gerunds, infinitives, adverb and noun clauses/phrases, discourse connectors, unreal conditionals, and the subjunctive. Guided discussions, advanced listening, and public speaking techniques are emphasized. As an exit requirement for this course, students must successfully produce and deliver an academic oral presentation (based on a paper

written in EFLR1406). Students completing course successfully will earn University credit but not credit towards graduation. Lab requirement: 10 hours. Prerequisite: test placement or completion of ESL Level 5.

EFLR 1406 *ESL Level 6: Reading and Writing*. Four semester hours.

High-advanced. Refine academic essay writing skills and apply reading strategies to improve comprehension of college level readings. Emphasis on advanced composition and library skills to secure legitimate document sources for research purposes. Test-taking strategies. As an exit requirement, students must research and write a 3 to 5 page academic paper. Students completing course successfully will earn University credit but not credit towards graduation. Lab requirement: 10 hours. Prerequisite: test placement or completion of ESL Level 5.

COLLEGE OF ARTS AND SCIENCES

COURSE DESCRIPTIONS

THE TEXAS COMMON COURSE NUMBER FOLLOWS THE TAMIU NUMBER IN PARENTHESIS. SEE APPENDIX D.

ABBREVIATIONS FOR THE SEQUENCE OF COURSE OFFERINGS: FALL (FL), SPRING (SP), SUMMER (SS)

ANTHROPOLOGY (ANTH)

ANTH 2302 (ANTH 2302) *Introduction to Archaeology*. Three semester hours. (SP)

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. Course fee: \$15.

ANTH 2346 (ANTH 2346) *Introduction to Anthropology*. Three semester hours. (FL)

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.

ANTH 3301 *Urban Anthropology*. Three semester hours.

A study of how humans adapt culturally and biologically to increasingly dense settlement patterns. Examines the process by which complex societies emerge, from ancient times to the present: the strategies humans use to cope with demands posed by urban environments; and a cross-cultural study of formal and informal cultural use of urban space. (Cross-listed with URBS 3301)

ANTH 3302 *Indians of North America*. Three semester hours. (SP)

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 3304 *Language, Culture and Oral Tradition*. Three semester hours. (FL)

Overview of the nature of language and a non-technical introduction to linguistic science, with major emphasis on language as the foundation of culture and on the role of oral tradition--creative expression, memory, and ways of knowing--in non-literate societies.

ANTH 3306 *Cultural Change, Crisis, and Development*. Three semester hours. (FL)

An examination of how humans adapt to change, with an emphasis on the impact of development of non-industrial societies. Issues include the impact of development at the household level, forced resettlement, environmental degradation, and cultural extinction. The underlying goal is to explore ways that anthropological methods and theories contribute to understanding and solving problems facing human populations everywhere.

ANTH 3308 *Latin American Cultures*. Three semester hours.

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 syncretic Latino cultural forms reflecting Iberian, Native American and African heritage in contemporary Central and South America and the Caribbean. (Cross-listed with SOCI 3308)

ANTH 4301 *Special Topics in Anthropology*. Three semester hours. (SP)

Selected topics in an identified area. May be repeated if topic changes. May be taken for graduate credit.

ANTH 4302 *Myth, Magic and Religion*. Three semester hours.

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 find in popular books and movies.

ANTH 4351 *Cultural Anthropology*. Three semester hours. (SP)

Major aspects of culture (social organization, economics, religion, etc.); cultural patterns and sociocultural change; prehistory of humans and the development of variant cultures. (Formerly ANTH 3351)

ARABIC (ARAB)

ARAB 1311 *Beginning Arabic I*. Three semester hours (FL)

In this course students will acquire fundamental skills in listening comprehension, speaking, reading and writing. Includes basic vocabulary, grammatical structures and culture.

ARAB 1312 *Beginning Arabic II*. Three semester hours (FL)

A continuation of ARAB 1311, students will acquire additional skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. Prerequisite: ARAB 1311 or consent of instructor.

ARAB 1620 *Beginning Arabic*. Six semester hours plus one hour lab.

An intensive beginning Arabic course. Students will acquire fundamental skills in listening comprehension, speaking, reading and writing. Includes basic vocabulary, grammatical structures, and culture. Cross-listed with ARAB 1311 and ARAB 1312.

ARTS (ARTS)

ARTS 1100 *Art and Children*. One semester hour.

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. This course will satisfy the Visual and Performing Arts requirement in the University Core Curriculum for students in Early Childhood Education Degrees. (Formerly ARTS 3100)

ARTS 1301 (ARTS 1301) *History of Painting, Sculpture, and Architecture*. Three semester hours.

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.

ARTS 1303 (ARTS 1303) *Art History Survey: Prehistoric to Renaissance*. Three semester hours.

A basic introduction to painting, sculpture, architectural and other media from prehistory 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.

ARTS 1304 (ARTS 1304) *Art History Survey: Renaissance to Modern*. Three semester hours.

A basic introduction to painting, sculpture, architecture and other media from the fifteenth to the mid-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.

ARTS 1310 *Design I for Non-majors*. Three semester hours.

A studio course concerning the fundamentals of art with emphasis on two-dimensional concepts. Course fee: \$30.

ARTS 1311 (ARTS 1311) *Design I for Art Majors/Minors*. Three semester hours.

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. Course fee: \$50.

ARTS 1312 (ARTS 1312) *Design II*. Three semester hours.

A studio course concerning the fundamentals of art with emphasis on three-dimensional concepts. Course fee: \$65.

ARTS 1316 (ARTS 1316) *Drawing I*. Three semester hours.

An introduction to basic drawing skills and rendering; focus will be on black and white dry and wash drawing media. Basic shapes, still life, composition, value structure, light logic, and perspective will be some of the skills covered. This class meets five hours a week. Prerequisite: ARTS 1311 recommended. Course fee: \$65.

ARTS 1317 (ARTS 1317) *Drawing II*. Three semester hours.

A continuation of ARTS 1316. Black and white drawing, introduction and partial exploration of color. Introduction to figure drawing and landscape. This class meets five hours a week. Prerequisite: ARTS 1316 or consent of instructor. Course fee: \$65.

ARTS 2316 (ARTS 2316) *Painting I*. Three semester hours.

An introduction to basic oil painting skills. Emphasis of this course will be on rendering and basic techniques including wet-into-wet painting, under painting, 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. Course fee: \$30.

ARTS 2323 (ARTS 2323) *Life Drawing*. Three semester hours.

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 class meets five hours a week. Prerequisites: ARTS 1311 and ARTS 1316 or consent of instructor. Course fee: \$75.

ARTS 2326 (ARTS 2326) *Sculpture I*. Three semester hours.

A basic introduction to three-dimensional art. Additive and subtractive media will be explored. This class meets five hours a week. Prerequisite: ARTS 1312 or consent of instructor. Course fee: \$65.

ARTS 2333 (ARTS 2333) *Printmaking I*. Three semester hours.

An introduction to relief printmaking, including linocuts, woodcuts, and collographs. This class meets five hours per week. Prerequisites: ARTS 1316 and ARTS 1317 or consent of instructor. May be repeated for credit. Course fee: \$65.

ARTS 2346 (ARTS 2346) *Ceramics I*. Three semester hours.

An introductory studio course in basic ceramic processes. Prerequisite: ARTS 1312 or consent of instructor. Course fee: \$65.

ARTS 2356 (ARTS 2356) *Photography I*. Three semester hours.

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. Course fee: \$40.

ARTS 3308 *Intermediate Painting*. Three semester hours.

A continuation of ARTS 2316. Introduction to figures, landscape, and photographic reference. This class meets five hours a week. Prerequisite: ARTS 2316 or consent of instructor. Course fee: \$30.

ARTS 3309 *Intermediate Sculpture*. Three semester hours.

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. Prerequisite: ARTS 2326 or consent of instructor. May be repeated once for credit. Course fee: \$65.

ARTS 3310 *Studies in World Art of the Early Modern Era*. Three semester hours.

Features study of the arts of selected cultures, periods, themes, and artists in a range of European, American, and non-Western settings during the early modern era. Renaissance and Baroque Europe; Postclassic Mesoamerica; the Late Intermediate Period of the Andes; ancient native American cultures of the North American southern plains and greater southwest; Spanish Colonial and Republican-era Latin America all represent possible sources for topics. Prerequisites: ARTS 1301, 1303 or 1304, or consent of instructor. May be repeated once when topic changes.

ARTS 3323 *Intermediate Life Drawing.* Three semester hours.

A continuation of ARTS 2323 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. Course fee: \$75.

ARTS 3324 *Intermediate Ceramics.* Three semester hours.

A continuation of ARTS 2346. Covers further aspects of construction of wheel-throwing, basic glaze making, and an introduction to kiln firing and loading. Prerequisite: ARTS 2346. Course fee: \$65.

ARTS 3330 *Eighteenth and Nineteenth Century Art.* Three semester hours.

Selected areas of study in the arts of Europe and North America from about 1680 to about 1860. The evolving cultural and economic roles of art, artists, and audiences in the modern era will provide an organizing theme. Prerequisite: ARTS 1301 or 1304, or consent of instructor.

ARTS 3333 *Intermediate Printmaking.* Three semester hours.

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. Prerequisite: ARTS 2333 or consent of instructor. Course fee: \$65.

ARTS 3335 *Introduction to Computers and Art.* Three semester hours.

An introduction to the basics of computer-based art and design. Prerequisite: ARTS 1311 or consent of instructor. Course fee: \$65.

ARTS 3352 *Modern Art, 1860-1970.* Three semester hours.

Selected areas of study concerning art, artists, audiences, and stylistic concepts from the beginnings of modernism to the last third of the twentieth century. Prerequisite: ARTS 1301 or 1304, or consent of instructor.

ARTS 3353 *Contemporary Art, 1970 to Present.* Three semester hours.

Selected areas of study concerning movements, artists, and critical concepts associated with recent and contemporary art. Prerequisite: ARTS 1301 or 1304; ARTS 3352 strongly recommended.

ARTS 3365 *Intermediate Photography.* Three semester hours.

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. Prerequisite: ARTS 2356 or equivalent. Course fee: \$65.

ARTS 4301 *Advanced Drawing.* Three semester hours.

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 once for credit. Prerequisites: ARTS 1316 and 1317. Course fee: \$40.

ARTS 4303 *Advanced Painting.* Three semester hours.

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 once for credit. Prerequisites: ARTS 2316 and 3308. Course fee: \$40.

ARTS 4304 *Advanced Sculpture.* Three semester hours.

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 once for credit. Prerequisite: ARTS 3309. Course fee: \$65.

ARTS 4324 *Advanced Ceramics.* Three semester hours.

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 once for credit. Prerequisite: ARTS 3324. Course fee: \$65.

ARTS 4331 *Advanced Printmaking*. Three semester hours.

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 once for credit. Prerequisites: ARTS 3333 or consent of instructor. Course fee: \$65.

ARTS 4332 *Critique and Seminar*. Three semester hours.

For advanced students only. The purpose of this course is to allow the advanced student artists a chance to meet once a week with their peers for a mediated critique of ongoing artistic projects. Not offered every year. Prerequisite: Consent of instructor. Course fee: \$40.

ARTS 4333 *Practicum Seminar in the Arts*. Three semester hours.

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. Prerequisite: For art majors and minors, junior or senior standing, ARTS 3353 (or concurrent enrollment therein), plus concurrent enrollment in one or more of the following: ARTS 4301, 4303, 4304, 4324, 4361, 4365, and/or 4173-4473, plus consent of instructor. Course fee: \$65.

ARTS 4334 *Seminar: Special Topics in the Visual Arts*. Three semester hours.

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. Prerequisite: Consent of instructor. Course fee: \$40.

ARTS 4361 *Illustration/Electronic Imaging*. Three semester hours.

A continuation of ARTS 3335, with further work in the use of painting, drawing, and image-enhancement software programs. Prerequisite: ARTS 3335 or consent of instructor. Course fee: \$65.

ARTS 4365 *Advanced Photography*. Three semester hours.

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. May be repeated once for credit. Prerequisite: ARTS 3365. Course fee: \$65.

ARTS 4173-4473 *Undergraduate Research*. One-four semester hours.

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. Prerequisite: Permission of instructor.

ASTRONOMY (ASTR)

ASTR 1111 (PHYS 1111) *Planetary Astronomy Laboratory*. One semester hour. (FL/SS)

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. Lab fee: \$30.

ASTR 1112 (PHYS 1112) *Stellar Astronomy Laboratory*. One semester hour. (SP/SS)

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. Lab fee: \$30.

ASTR 1311 (PHYS 1311) *Planetary Astronomy*. Three semester hours. (FL)

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 (PHYS 1312) *Stellar Astronomy*. Three semester hours. (SP)

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 Bang 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.

BIOLOGY (BIOL)

BIOLOGY COURSES FOR NON-MAJORS

BIOL 1101 *Supplemental Laboratory*. One semester hour.

This course allows a transfer student to make up a laboratory deficiency at the introductory level. May be taken only for introductory courses. Prerequisite: Permission of Department Chair. Lab fee: \$30.

BIOL 1170 *Survey of Life Science Laboratory*. One semester hour. (FL/SP)

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. Lab fee: \$30.

BIOL 1370 *Survey of Life Science*. Three semester hours. (FL/SP)

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 1470 *Human Biology*. Four semester hours. (SP)

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. Fulfills the laboratory science core curriculum requirement. Lab fee: \$30.

BIOL 1471 *Natural History of South Texas*. Four semester hours. (SP)

An exploration of the animals and plants in the Tamaulipan Biotic Province. Will include a study of regional geology and its influence on the biota. Saturday field trips required. Prerequisite: Interest and curiosity. Fulfills the laboratory science core curriculum requirement. Not for students majoring or minoring in biology. Taught as an evening course in even years and as a day course in odd years. Lab fee: \$30.

BIOL 2401 (BIOL 2401) *Anatomy and Physiology I*. Four semester hours. (FL)

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. Prerequisite: Consult your departmental advisor or obtain instructor's permission. Carries no credit for biology majors. Lecture/laboratory. Lab fee: \$30.

BIOL 2402 (BIOL 2402) *Anatomy and Physiology II*. Four semester hours. (SP)

A continuation of BIOL 2401 that includes endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems. Other topics include metabolism, acid-base balance, development, and heredity. Prerequisite: BIOL 2401. Carries no credit for biology majors. Lecture/Laboratory. Lab fee: \$30.

BIOL 2415 (BIOL 2420) *Microbiology for Allied Health*. Four semester hours.

Clinically oriented overview of basic medical microbiology. Topics discussed include cell structure and function, microbial growth and its control, immunology, and genetics. Prerequisite: Consult School of Nursing. Carries no credit for biology majors. Lecture/laboratory. Lab fee: \$30.

BIOLOGY COURSES FOR MAJORS

BIOL 1406 (BIOL 1406) *Cell and Molecular Biology*. Four semester hours. (FL)

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. Concurrent enrollment in CHEM 1411

is strongly recommended. Required for all biology majors. Laboratory/lecture. Fulfills the laboratory science core requirement. Lab fee: \$30.00. May be taken by non-science majors with permission of instructor.

BIOL 1411 (BIOL 1411) *General Botany*. Three semester hours.

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. Lecture/laboratory. May be taken by non-science majors with permission of instructor. Lab fee: \$30.

BIOL 1413 (BIOL 1413) *General Zoology*. Four semester hours.

A survey of the kingdom Animalia which considers the fundamentals of biology. Includes classification, phylogeny, evolution, anatomy, physiology and behavior of animals related taxa in the protista. Lecture/laboratory. May be taken by non-science majors with permission of instructor. Lab fee: \$30.

BIOL 2421 (BIOL 2421) *General Microbiology*. Four semester hours.

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. Prerequisites: BIOL 1406, BIOL 1411 or BIOL 1413 and CHEM 1411. Lecture/laboratory. Lab fee: \$30.

BIOL 2430 *Principles of Wildlife Management*. Four semester hours.

Habitat requirements, population dynamics and life histories of the major game species. Prerequisite: BIOL 1406 and BIOL 1411 or BIOL 1413.

BIOL 3385 *Wildlife Policy*. Three semester hours.

Legislation, administration, public relations and biopolitics as they relate to range and wildlife management. Prerequisite: BIOL 2430.

BIOL 3401 *Environmental Sciences*. Four semester hours. (F)

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. Prerequisite: Eight hours of major's biology or permission of instructor. Lab fee: \$30.00. (Cross-listed with ENSC 3401)

BIOL 3403 *Human Anatomy*. Four semester hours.

A laboratory-based intensive study of the gross structure of organs and organ systems. Suggested for prehealth professional students. Prerequisites: BIOL 1406, BIOL 1411, and BIOL 1413 or permission of instructor. Lecture/laboratory. Lab Fee: \$30.

BIOL 3404 *Animal Physiology*. Four semester hours.

An in-depth study of functions and mechanisms related to homeostasis, energetics, temperature and fluid regulation, and nervous and hormonal control. Prerequisites: BIOL 1406, BIOL 1411, BIOL 1413 and CHEM 2425; BIOL 3403 strongly recommended. Lecture only.

BIOL 3406 *Evolution*. Four semester hours. (FL)

Genetic and ecological basis of evolutionary changes within populations of plants and animals. Historical, morphological, biochemical, behavioral, and biogeographical evidence will be considered. A discussion section is required. Prerequisite: BIOL 1406 and BIOL 1411/1413.

BIOL 3407 *Animal Behavior*. Four semester hours. (FL)

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. Prerequisite: BIOL 1406 and BIOL 1411 or 1413. Lab Fee: \$30.

BIOL 3410 *Ecology*. Four semester hours. (SP)

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. Prerequisite: BIOL 1406 and BIOL 1411 or 1413. Required for biology majors. Lab fee: \$30.

BIOL 3412 *Cell Biology*. Four semester hours.

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. Prerequisites: BIOL 1406, BIOL 1411, BIOL 1413, BIOL 2421 and CHEM 2423 or permission of instructor. Lab fee: \$30.

BIOL 3413 *Introduction to Genetics*. Four semester hours.

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. Prerequisites: BIOL 1406, BIOL 1411, BIOL 1413, BIOL 2421 and CHEM 2423 or permission of instructor. Lab fee: \$30.

BIOL 3414 *Invertebrate Zoology*. Four semester hours. (SP)

The class serves to give the student an appreciation for invertebrate form, function, natural history, evolution and systematics. Field work required. Prerequisite: BIOL 1406 and BIOL 1411 or 1413 or permission of instructor. Lab fee: \$30.

BIOL 3415 *Wildlife Management Techniques*. Four semester hours.

Field and laboratory techniques used in wildlife management and research: aging, sexing, marking, capture, monitoring, disease surveys, food habitats and nutrition analyses, habitat assessment and population estimation. Prerequisite: BIOL 2430.

BIOL 3416 *Introduction to Biological Statistics*. Four semester hours. 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. Prerequisite: BIOL 1406, 1411, 1412 or permission of instructor.

BIOL 3425 *Paleontology and Earth History*. Four semester hours.

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. Prerequisites: BIOL 1413, GEOL 1303/1103 or EPSC 1370/1170. Lab fee: \$30.00.

BIOL 3451 *Biochemistry I*. Four semester hours. (SP)

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. Prerequisites: BIOL 1406 and CHEM 2423 or permission of instructor. Cross-listed with CHEM 3451. Credit cannot be given for both BIOL 3451 and CHEM 3451. Lab fee: \$30.

BIOL 4170 *Biology Seminar*. One semester hour. (FL/SP)

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 4173-4473 *Undergraduate Research*. One-four semester hours. (FL/SP)

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. Prerequisite: Permission of instructor. Lab fee: \$30.

BIOL 4371-4471 *Current Topics in Biology*. Three-four semester hours. (FL/SP)

A seminar course on topics of current biological interests. Laboratory section included at discretion of instructor. May be repeated when topic changes. Prerequisites: Junior standing and permission of instructor. Lab fee: \$30, if appropriate.

BIOL 4402 *Mammalogy*. Four semester hours. (FL)

A study of anatomy, evolution, distribution, systematics, ecology, and physiology of mammals, with special emphasis on local representatives. Prerequisite: BIOL 1406 and BIOL 1411 or 1413 or permission of instructor. Lab fee: \$30.

BIOL 4404 *Herpetology*. Four semester hours.

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. Prerequisite: BIOL 1406, BIOL 1411 and BIOL 1413 or permission of instructor. Saturday field trips required. Lab fee: \$30.

BIOL 4408 *Entomology*. Four semester hours. (SP)

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. Prerequisite: BIOL 1406 and BIOL 1411 or 1413 or permission of the instructor. Saturday field trips required. Lab Fee: \$30.

BIOL 4409 *Molecular Systems Biology and Chemical Genetics*. Four semester hours. (FL)

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. Prerequisite: Permission of instructor. Lab fee: \$30. (Cross-listed with CHEM 4409 and BIOL 5409)

BIOL 4420 *Environmental Microbiology*. Four semester hours.

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. Prerequisite: BIOL 2421 or permission of instructor. Lab fee: \$30. (Cross-listed with ENSC 4420/BIOL5420)

BIOL 4425 *Immunology*. Four semester hours. 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. Prerequisite: BIOL 2421 or permission of instructor. Lab fee: \$30. (Cross-listed with BIOL 5425)

BIOL 4430 *Limnology*. Four semester hours.

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. Prerequisite: BIOL 3410 or permission of instructor. Lab fee: \$30. (Cross-listed with ENSC 4430)

BIOL 4440 *Plant Systematics*. Four semester hours.

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. Prerequisite: BIOL 1411 or permission of the instructor. Lab fee: \$30. (Cross-listed with BIOL 5440)

BIOL 4441 *Plant Physiological Ecology*. Four semester hours.

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. Prerequisite: BIOL 1411 or permission of the instructor. (Cross-listed with BIOL 5441)

BIOL 4460 *Geographic Information Systems*. Four semester hours.

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. Prerequisite: Senior standing. (Cross-listed with GEOL 4460 and BIOL 5460)

BIOL 5197-5697 *Biology Research*. One to six semester hours.

Continuation of thesis or non-thesis research by the students under the supervision of the student's advisor. May be repeated. Cannot be substituted for required or elective graduate biology courses. Evaluation of performance in this course is on CR/NC basis. Prerequisite: Graduate standing and permission of the instructor.

BIOL 5290 *Graduate Seminar in Biology*. Two semester hours.

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. Prerequisite: Graduate standing and permission of the instructor.

BIOL 5295 *Research Problems in Biology*. Two semester hours.

A course in directed laboratory, field or literature-based research in biology for non-thesis students. Non-thesis students must successfully complete the course twice. Prerequisite: Graduate standing and permission of the instructor. Lab fee: \$30, if appropriate.

BIOL 5371-5471 *Special Topics in Biology*. Three or four semester hours.

A seminar course on topics of interest in biology. Laboratory section at discretion of instructor. May be repeated when topic changes. Prerequisite: Graduate standing and permission of the instructor. Lab fee: \$30, if applicable.

BIOL 5398 *Thesis*. Three semester hours.

Includes thesis and research. To be scheduled by the student in consultation with student's major professor. Prerequisite: Approval of the major professor and the Department Chair. If grade of IP is received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis. Lab fee: \$30.

BIOL 5399 *Thesis*. Three semester hours.

Includes thesis, research, seminar, and defense. To be scheduled by the student in consultation with student's major professor. Prerequisite: Approval of the major professor and the Department Chair. If grade of IP is received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis. Lab fee: \$30.

BIOL 5401 *Biometry*. Four semester hours.

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. Prerequisite: Graduate standing and permission of the instructor.

BIOL 5402 *Advanced Mammalogy*. Four semester hours.

A study of the anatomy, evolution, distribution, systematics, ecology, and physiology of mammals-with special emphasis on local representatives. Prerequisites: Graduate standing and permission of instructor. Saturday field trips required. Lab fee: \$30.

BIOL 5404 *Advanced Herpetology*. Four semester hours.

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. Prerequisites: Graduate standing and permission of instructor. Saturday field trips required. Lab fee: \$30.

BIOL 5407 *Behavioral Ecology*. Four semester hours.

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. Prerequisite: Graduate standing and permission of the instructor.

BIOL 5408 *Advanced Entomology*. Four semester hours.

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. Prerequisite: Graduate standing and permission of the instructor. Saturday field trips required. Lab fee: \$30.

BIOL 5409 *Molecular Systems Biology and Chemical Genetics*. Four semester hours.

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. Prerequisite: Graduate standing and permission of instructor. Lab fee: \$30. (Cross-listed with BIOL 4409 and CHEM 4409)

BIOL 5410 *Advanced Ecology- Populations and Communities*. Four semester hours.

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.

BIOL 5415 *Population Genetics*. Four semester hours.

A study of population genetics models, including genetic variation, selection, inbreeding, genetic drift, mutation, gene flow, linkage disequilibrium and recombination. Prerequisite: Graduate standing and permission of instructor. Lecture/laboratory.

BIOL 5420 *Advanced Environmental Microbiology*. Four semester hours.

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. Prerequisite: Graduate standing and permission of instructor. Lab fee: \$30. (Cross-listed with ENSC 4420/BIOL 4420)

BIOL 5425 *Advanced Immunology*. Four semester hours.

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. Prerequisite: Graduate standing and permission of instructor. Lab fee: \$30. (Cross-listed with BIOL 4425)

BIOL 5440 *Advanced Plant Systematics*. Four semester hours.

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. Prerequisite: Graduate standing and permission of the instructor. Lab fee: \$30. (Cross-listed with BIOL 4440)

BIOL 5441 *Advanced Plant Physiological Ecology*. Four semester hours.

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. Prerequisite: graduate standing and permission of the instructor. (Cross-listed with BIOL 4441)

BIOL 5450 *Molecular Genetics and Regulation of Gene Expression*. Four semester hours.

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. Prerequisite: Graduate standing and permission of the instructor.

BIOL 5460 *Advanced Geographic Information Systems*. Four semester hours.

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. Prerequisite: Graduate standing. (Cross-listed with GEOL 4460 and BIOL 4460)

BIOL 5452 *Advanced Biochemistry*. Four semester hours. (SP)

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. Prerequisite: one semester (3 SCH or more) of biochemistry for majors or permission of instructor. (Cross-listed with CHEM 4452)

BIOL 5480 *Field Biology*. Four semester hours.

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. Prerequisite: Graduate standing and permission of the instructor. Lab fee: \$30.

CHEMISTRY (CHEM)

CHEM 1101 *Supplemental Laboratory*. One semester hour.

This course allows a transfer student to make up a laboratory deficiency at the introductory level. May be taken only for introductory courses. Prerequisite: Permission of Department Chair. Lab fee: \$30.

CHEM 1170 *Survey of Chemistry Laboratory*. One semester hour.

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. Lab fee: \$30.

CHEM 1370 *Survey of Chemistry*. Three semester hours.

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.

CHEM 1400 *Chemistry in the Environment*. Four semester hours. (SS)

A course designed for non-science majors interested in how chemistry impacts our day-to-day lives and the world around us. A variety of subjects, such as food preservatives, additives, cosmetics, energy alternatives, cleaning products, pesticides, pollution, and other everyday phenomenon may be covered from a basic chemical perspective. Fulfills the laboratory science core curriculum requirement. Can be used as preparation for CHEM 1411 for those students with no prior chemistry background. Prerequisite: Cannot be taken after CHEM 1411. Lab fee: \$30.

CHEM 1406 (CHEM 1406) *Chemistry for the Health Sciences*. Four semester hours. (FL)

A comprehensive lecture and laboratory course intended for non-science majors, and particularly those desiring careers in nursing and allied health-care fields. The fundamentals of general, organic, and biochemistry are covered from a practical viewpoint with emphasis on chemical reactions and concepts related to physiological processes and other interesting everyday phenomena. Three hours of laboratory per week. Prerequisites: One year of high school chemistry and two years of high school algebra. Lab fee: \$30.

CHEM 1411 (CHEM 1411) *General Chemistry I*. Four semester hours. (FL)

Covers the basic principles of nomenclature, atomic structure, bonding, thermodynamics, chemical reaction, and stoichiometry. The first half of a two-semester course. Three hours of laboratory per week. Lab fee: \$30.

CHEM 1412 (CHEM 1412) *General Chemistry II*. Four semester hours. (SP)

Covers gas laws, thermodynamics, kinetics and electrochemistry. The second half of a two-semester course. Three hours of laboratory per week. Prerequisite: CHEM 1411. Lab fee: \$30.

CHEM 2423 (CHEM 2423) *Organic Chemistry I*. Four semester hours. (FL)

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. Prerequisite: CHEM 1412. Lab fee: \$30.

CHEM 2425 (CHEM 2425) *Organic Chemistry II*. Four semester hours. (SP)

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. Prerequisite: CHEM 2423. Lab fee: \$30.

CHEM 3400 *Environmental Chemistry*. Four semester hours. (SP)

A course that develops quantitative analytical techniques for monitoring and assessing toxins and pollutants in the environment. Three hours of laboratory per week. Prerequisites: CHEM 1411 and CHEM 2423. Lab fee: \$30.

CHEM 3405 *Analytical Chemistry*. Four semester hours. (SP)

The principles and theories of modern instrumentation examined through topics selected from electrochemistry, spectroscopy, and chromatography. Three hours of laboratory per week. Prerequisite: CHEM 1412. Lab fee: \$30.

CHEM 3406 *Analytical Chemistry II*. Four semester hours.

A study of theory and application of modern instrumental methods of analysis, including UV-VIS, FT-IR, GC, NMR and potentiometric methods of titrimetry. Environmental analysis will be included. Prerequisite: CHEM 1411, CHEM 1412. Lab fee: \$30.

CHEM 3431 *Physical Chemistry I*. Four semester hours.

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. Prerequisite: MATH 2414, PHYS 1302, and CHEM 1412. Lab fee: \$30.

CHEM 3432 *Physical Chemistry II*. Four semester hours.

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. Prerequisite: CHEM 3431. Lab fee: \$30.

CHEM 3451 *Biochemistry I*. Four semester hours. (SP)

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. Prerequisites: BIOL 1406 and CHEM 2423 or permission of instructor. Cross-listed with BIOL 3451 Credit cannot be given for both BIOL 3451 and CHEM 3451. Lab fee: \$30.

CHEM 3452 *Biochemistry II*. Four semester hours.

This course is a continuation of Biochemistry (BIOL/CHEM 3451). A detailed study of lipid, protein, nucleic acids, and carbohydrate metabolism is at the core of the course.

CHEM 4120 *Chemistry Seminar*. One semester hour.

A year long course with guest lectures and oral presentations from chemistry students. Prerequisite: Senior standing.

CHEM 4409 *Molecular Systems Biology and Chemical Genetics*. Four semester hours.

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. Prerequisite: Permission of instructor. Lab fee: \$30. (Cross-listed with BIOL 4409 and BIOL 5409)

CHEM 4410 *Advanced Environmental Chemistry*. Four semester hours.

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. Prerequisite: Senior standing. Lab fee: \$30.

CHEM 4411 *Inorganic Chemistry*. Four semester hours. (FL)

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 Bioorganic chemistry, nanotechnology and superconductors will be included. Three hours of laboratory per week. Prerequisite: CHEM 1412. Lab fee: \$30.

CHEM 4431 *Advanced Organic Chemistry I*. Four semester hours.

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. Prerequisite: Senior standing. Lab fee: \$30.

CHEM 4198-4498 *Investigations in Chemistry*. One to four semester hours.

Independent experimental research in any accredited chemical field performed in affiliation with a faculty member. Prerequisites: Junior or senior standing and permission of instructor. Lab fee: \$30.

CHEM 4199-4499 *Special Topics in Chemistry*. One to four semester hours.

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. Prerequisites: Senior standing and permission of instructor.

CHEM 4451 *Polymer Chemistry*. Four semester hours.

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. Prerequisites: CHEM 2425. Lab fee: \$30.

CHEM 4452 *Advanced Biochemistry*. Four semester hours. (SP)

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. Prerequisite: BIOL 3451 or CHEM 3451, or permission of instructor. (Cross-listed with BIOL 5452)

CHEM 5451 *Advanced Survey of Chemical and Biochemical Processes*. Four semester hours.

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. Prerequisite: Graduate standing and permission of instructor.

COMMUNICATION (COMM)

COMM 1144 *Forensics Activity*. One semester hour.

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. Prerequisite: Consent of instructor.

COMM 1300 *Media Literacy*. Three semester hours.

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 Communications*. Three semester hours.

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. Prerequisite: ENGL 1301 or concurrent enrollment.

COMM 1315 *Public Speaking*. Three semester hours.

The course acquaints students with public speaking applications thereof in various social, professional, and educational settings. Prerequisite: ENGL 1301 or concurrent enrollment.

COMM 1326 *Journalistic Writing*. Three semester hours.

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 2305 *Rhetoric and Popular Culture*. Three semester hours.

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. Prerequisite/corequisite: COMM 3300.

COMM 2324 (COMM 2324) *Practicum in Electronic Media*. Three semester hours.

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 2325 *Debate and Argumentation*. Three semester hours.

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.

COMM 2331 (COMM 1318) *Photography I: Introduction to Visual Communication Skills and Tools*. Three semester hours.

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. Course fee: \$40.

COMM 3102 *Video Production I Laboratory*. One semester hour.

Laboratory course to accompany COMM 3202. Must be taken concurrently with COMM 3202.

COMM 3132 *Video Production II Laboratory*. One semester hour.

Laboratory course to accompany COMM 3232. Must be taken concurrently with COMM 3232.

COMM 3133 *Video Editing and Post Production II Laboratory*. One semester hour.

Laboratory course to accompany COMM 3233. Must be taken concurrently with COMM 3233.

COMM 3202 *Video Production I*. Two semester hours.

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. Course fee: \$40. (Formerly COMM 2332/3302)

COMM 3232 *Video Production II*. Two semester hours.

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. Prerequisite: COMM 3202 or consent of instructor. Course fee: \$40.

COMM 3233 *Video Editing and Post-Production II*. Two semester hours.

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. Prerequisite: COMM 3303 or consent of instructor. Course fee: \$40.

COMM 3300 *Communication and Meaning*. Three semester hours. (FL)

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*. Three semester hours.

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. (Formerly COMM 2332)

COMM 3303 *Video Editing and Post Production I*. Three semester hours.

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. Prerequisite/corequisite: COMM 3302 or consent of instructor. Course fee: \$40. (Formerly COMM 2333)

COMM 3305 *Interpersonal Communication*. Three semester hours.

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. Prerequisite/corequisite: COMM 3300.

COMM 3307 *Health Communication*. Three semester hours.

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. Prerequisites: COMM 1311 or COMM 3300.

COMM 3309 *Special Topics in Communication*. Three semester hours.

Examines different communication topics including research underpinnings and everyday applications. May be repeated for credit when topic changes. Prerequisites: COMM 3300, 3310 or consent of instructor

COMM 3310 *Methods of Inquiry*. Three semester hours. (FL/SP)

This course compares and uses methods of inquiry commonly practiced in the communication field. These methods include rhetorical interpretation, scientific hypothesis-testing, and other qualitative research methods.

COMM 3311 *Advanced Public Speaking*. Three semester hours.

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. Prerequisite: COMM 1311.

COMM 3320 *Teamwork and Communication*. Three semester hours. (SS)

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 3322 *Public Relations*. Three semester hours. (SP)

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*. Three semester hours.

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. Prerequisite: COMM 3322.

COMM 3324 *Film Studies*. Three semester hours.

This course explores how meaning is structured and perceived in the moving image, 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*. Three semester hours. (SP-Odd)

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. (Cross-listed with SOCI 4375)

COMM 3327 *Writing for Broadcast News*. Three semester hours. (FL)

This course introduces students to some of the different writing techniques and styles used by the broadcast and new media. Students will develop skills in information gathering, interviewing, organizing, and writing for broadcast news.

COMM 3328 *Advanced Journalistic Writing*. Three semester hours. (FL/SP/SS)

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: successful completion of COMM 3326 and approval of instructor.

COMM 3329 *Fundamentals of Advertising*. Three semester hours. (SP)

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 3331 *Photography II: Introduction to Photojournalism*. Three semester hours.

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/corequisite: COMM 2331 and 3326, or consent of instructor. Recommendation that student has own single-lens-reflex camera and 35 mm lens. Course fee: \$40.

COMM 4320 *Transnational Trends in Communication*. Three semester hours. (SP)

This course is an intensive study of the interdependent relationship between communication and culture with an international focus. Students will examine conceptual and experiential problems that affect communication across physical and cultural boundaries including problems of interpreting and evaluating different cultural values, world views, patterns of communication, cultural imperialism, nationalism, information flow, and the effects of globalization.

COMM 4323 *Communication Law*. Three semester hours. (FL-Odd)

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*. Three semester hours. (SS-Even)

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*. Three semester hours. (SP-Even)

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. Prerequisites: COMM 3300 and COMM 3310 or instructor's permission. (Cross-listed with MGT 3320) (Formerly COMM 3321)

COMM 4330 *Special Issues in Communication*. Three semester hours. (FL, SP, SS)

Examines a timely topic or concern in organizational or mass communication. May be repeated for credit when topic changes. Prerequisites: COMM 3300, 3310, 3320 or 3325, or consent of instructor.

COMM 4340 *Intercultural, Professional, and Personal Ethics*. Three semester hours. (SP)

The course asks how we make ethical judgments 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 from other cultures?

COMM 4350 *Internship*. Three semester hours. (SP)

Application of concepts through participation in communities, institutions, agencies, schools, or businesses. Supervision by faculty and sponsoring organizations. Includes interpretive journal and 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. Prerequisite: A completed and approved Internship Agreement.

COMM 4360 *Communication Theory and Practice*. Three semester hours. (FL)

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.

COMPUTER SCIENCE (COSC)

COSC 1136 *Fundamentals of Programming Laboratory*. One semester hour.

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. Corequisite: COSC 1336. Course fee: \$30.

COSC 1137 *Object-Oriented Programming Laboratory*. One semester hour. 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. Prerequisite: COSC 1336. Corequisite: COSC 1337. Course fee: \$30.

COSC 1336 *Fundamentals of Programming*. Three semester hours.

This course introduces fundamentals of a high-level programming language. Students, applying rules of syntax and semantics, develop the skills in program design, implementation and debugging to solve computational problems in the programming language. No programming or computer science experience is required. High school BCIS as well as basic Algebra abilities are helpful. Corequisite: COSC 1136.

COSC 1337 *Object-Oriented Programming*. Three semester hours.

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. Prerequisite: COSC 1336. Corequisite: COSC 1137

COSC 3301 *Algorithms and Data Structures*. Three semester hours.

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. Prerequisite: COSC 1137/1337 and MATH 3365.

COSC 3310 *Algorithm Design and Analysis*. Three semester hours.

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. Prerequisite: COSC 3301 and MATH 3365.

COSC 3320 *Computer Architecture*. Three semester hours.

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 and MATH 3365.

COSC 3326 *Operating Systems and Networking*. Three semester hours.

Introduces the fundamentals of operating systems together with those of networking and communications. Prerequisites: COSC 3301 and MATH 3365.

COSC 3350 *Human Computer Interaction*. Three semester hours.

Presents a comprehensive introduction to the principles and techniques of human-computer interaction. Prerequisites: COSC 3301 and MATH 3365.

COSC 3370 *Databases*. Three semester hours.

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*. Three semester hours.

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: COSC 3301 and MATH 3365.

COSC 4152-4452 *Internship in Computer Science*. Three semester hours.

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. Prerequisite: Permission of the instructor and advisor.

CRIMINAL JUSTICE (CRIJ)

CRIJ 1301 (CRIJ 1301) *Introduction to Criminal Justice*. Three semester hours. (FL/SP)

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 (CRIJ 1306) *Courts and Criminal Evidence*. Three semester hours. (FL)

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. Interchangeable with PSCI 4326.

CRIJ 2313 (CRIJ 2313) *Correctional Systems and Practices*. Three semester hours. (SP)

An analysis and evaluation of contemporary correctional practices. Covers the history of penology, sentencing variations, and community and institutional corrections.

CRIJ 2328 (CRIJ 2328) *Police Systems and Practices*. Three semester hours. (FL-SS)

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 (CRIJ 1310) *Fundamentals of Criminal Law*. Three semester hours. (FL-Even)

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 3302 *Philosophy of Law*. Three semester hours.

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. Readings will be drawn from both classical and contemporary sources. (Cross-listed with PHIL 3302)

CRIJ 3305 *Research Methods in Social Sciences*. Three semester hours. (FL/SP)

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. (Cross listed with PSCI 3301 and SOCI 3305).

CRIJ 3306 *Law and Society*. Three semester hours. (SP)

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. Prerequisites for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Junior standing.

CRIJ 3308 *Victimology*. Three semester hours. (FL)

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. Prerequisites for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ major: Junior standing.

CRIJ 3309 *Community Based Corrections*. Three semester hours. (FL)

This course involves a survey of the types of sentences that provide alternatives to incarceration of offenders in prisons. We will examine intermediate punishments such as intensive supervised probation, restitution programs, house arrest and electronic monitoring as well as explore a variety of community treatment programs. Prerequisites for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Junior standing.

CRIJ 3310 *Juvenile Delinquency and Justice*. Three semester hours. (FL-Even)

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. Prerequisites for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Junior standing.

CRIJ 3311 *Institutional Corrections*. Three semester hours. (SP)

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. Prerequisite for CRIJ majors: Successful completion of lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Junior standing.

CRIJ 3320 *Organized Crime*. Three semester hours. (SP)

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. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ.

CRIJ 3325 *Drugs in Our Society*. Three semester hours. (FL)

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. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ. Interchangeable with PSYC 4315.

CRIJ 4140-4340 *Special Issues in Criminal Justice*. One-three semester hours.

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, and current issues in criminal justice. One or two credit arrangement must be approved by the CRIJ faculty advisor. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ. May be taken for graduate credit.

CRIJ 4305 *Criminal Justice Personnel Management*. Three semester hours. (SP)

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. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ.

CRIJ 4311 *Constitutional Issues in Criminal Justice*. Three semester hours.

This course is an intense analysis of federal and state court decisions that interpret the United States Constitution as to the authority and process of criminal justice agencies. Topics include a historical overview, detention, arrest, search and seizure, interrogations and confessions, self-incrimination, due process, and right to counsel, trial, and punishment. Prerequisite for CRIJ majors: Successful completion of 12 lower-level CRIJ required courses. Prerequisite for non-CROJ majors: Twelve hours of social sciences outside of CRIJ. Interchangeable with PSCI 4311.

CRIJ 4320 *Women and Criminal Justice*. Three semester hours. (FL)

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. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ. May be taken for graduate credit. Interchangeable with SOCI 4320.

CRIJ 4321 *Senior Pro-Seminar*. Three semester hours. (SP)

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. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses and completion of the core requirements of the CRIJ major. Prerequisite for CRIJ minors: Successful completion of the core requirements of the CRIJ minor.

CRIJ 4324 *Media and Crime*. Three semester hours.

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.

CRIJ 4325 *Statistics in Criminal Justice*. Three semester hours

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. Prerequisite for CRIJ majors: Twelve hours of CRIJ lower-level required courses. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ.

CRIJ 4333 *White Collar Crime*. Three semester hours.

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. Prerequisite for CRIJ majors: Twelve hours of CRIJ lower-level required courses. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ.

CRIJ 4334 *Administration of Justice*. Three semester hours.

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. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Prerequisite for non-CRIJ majors: Twelve hours of social sciences outside of CRIJ.

CRIJ 4601 *Criminal Justice Internship*. Six semester hours. (SP)

Supervised internship program, for both in-service and pre-service students who are beginning their senior year. Students are placed in criminal justice agencies in the community to engage in individual observation and research into agency operation. Students must maintain activity logs, attend class meetings, and write a research paper based on their agency experiences. The evaluation of student performance is on a pass/fail basis. Prerequisite for CRIJ majors: Successful completion of the lower-level CRIJ courses (or equivalent courses) required for the CRIJ major. Must be taken by CRIJ majors during senior year. Juniors and non-CRIJ majors may take the class with special permission of Internship Coordinator. Evaluation of performance in this course is on CR/NC basis.

CRIJ 5301 *Advanced Seminar on the Criminal Justice System*. Three semester hours.

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 and Criminal Justice*. Three semester hours. (FL)

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:* Enrollment restricted to students currently matriculating in the MSCJ program; CRIJ 3305, CRIJ 4321, SOCI 3336 (or the equivalent).

CRIJ 5305 *Seminar on the Administration of Criminal Justice*. Three semester hours. (FL)

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:* Enrollment restricted to students currently matriculating in the MSCJ program; CRIJ 3305, CRIJ 4321, SOCI 3336 (or the equivalent).

CRIJ 5315 *Comparative Criminal Justice Systems*. Three semester hours. (SP)

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 Research*. Three semester hours. (FL/SP)

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*. *Prerequisites:* Enrollment restricted to students currently matriculating in the MSCJ program; CRIJ 3305, CRIJ 4321, SOCI 3336 (or the equivalent).

CRIJ 5325 *Seminar in Corrections*. Three semester hours. (FL)

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. *Prerequisite:* Graduate Status

CRIJ 5326 *Seminar on Police Practices*. Three semester hours. (FL)

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. *Prerequisite:* Graduate status.

CRIJ 5327 *Advanced Quantitative Methods in Criminal Justice*. Three semester hours.

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.

CRIJ 5330 *Seminar in Criminological Theory*. Three semester hours. (FL)

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: Enrollment restricted to students currently matriculated in the MSCJ program; CRIJ 3305, CRIJ 4321, SOCI 3336 (or the equivalent).

CRIJ 5335 *Ethics of Criminal Justice*. Three semester hours.

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 status; Enrollment restricted to students currently matriculating in the MSCJ program; CRIJ 3305, CRIJ 4321, SOCI 3336 (or the equivalent).

CRIJ 5140-5340 *Contemporary Issues in Criminal Justice*. One-three semester hours.

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. Prerequisite: Graduate Status, must be Criminal Justice Major/Minor.

CRIJ 5345 *Critical Issues in Criminal Justice Policy*. Three semester hours. (FL)

An evaluation of the legal and policy issues affecting the criminal justice system. This seminar will focus on an historical and current analysis of legal issues. May be repeated when topic changes with permission of CRIJ advisor. Prerequisite: Graduate Status, must be Criminal Justice Major/Minor.

CRIJ 5398 *Thesis*. Three semester hours. (FL/SP)

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Graduate standing and permission of major instructor/advisor. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

CRIJ 5399 *Thesis*. Three semester hours. (FL/SP)

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Graduate standing and permission of major instructor/advisor. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

DANCE (DANC)

DANC 1100 *Dance/Theatre and Children*. One semester hour.

An introduction to the principles of dance and theatre performance related to the expressive and developmental needs of children from pre-school through the fourth grade. This course will satisfy the Visual and Performing Arts requirement in the University Core Curriculum for Early Childhood Education Majors. (Formerly DANC 3100)

DANC 1131 *Dance Conditioning I*. One semester hour.

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 1132 *Dance Conditioning II*. One semester hour.

A continuation of DANC 1131.

DANC 1191 *Dance Improvisation*. One semester hour.

Exploration of movement and visual design through improvisation. Course fee: \$30.

DANC 1210 (DANC 1210) *Tap I*. Two semester hours.

This course consists of basic steps involved in tap dance. A mix of the physical and aesthetic qualities utilized in dance will be incorporated. Course fee: \$30.

DANC 1211 (DANC 1211) Tap II. Two semester hours.
A continuation of DANC 1210. Course fee: \$30.

DANC 1241 (DANC 1241) Ballet I. Two semester hours.
Introduction to the fundamental theory, technique, and vocabulary of classical ballet. Course fee: \$30.

DANC 1242 (DANC 1242) Ballet II (Beginning/Intermediate Ballet). Two semester hours.
A continuation of DANC 1241. Course fee: \$30.

DANC 1245 (DANC 1245) Modern I (Beginning Modern). Two semester hours.
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. Course fee: \$30.

DANC 1246 (DANC 1246) Modern II (Beginning/Intermediate Modern). Two semester hours.
A continuation of DANC 1245. Course fee: \$30.

DANC 1247 (DANC 1247) Jazz I. Two semester hours.
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. Course fee: \$20.

DANC 1248 (DANC 1248) Jazz II. Two semester hours.
A continuation of DANC 1247. Course fee: \$30.

DANC 1349 (DANC 1349) Ballet Folklórico I. Three semester hours.
Mexican Folkloric Dance. Instruction and participation in the foot work and fundamental folk dance techniques of the different regions of México. 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. Prerequisite: Consent of Instructor. Course fee: \$30.

DANC 1350 (DANC 1350) Ballet Folklórico II. Three semester hours.
A continuation of DANC 1349. Prerequisite: Consent of Instructor. Course fee: \$30.

DANC 1351 (DANC 1351) Dance Performance I. Three semester hours.
Instruction and participation in one of the following: ballet, jazz, flamenco or modern dance forms. Designed to expose students to dance concerts, lecture demonstrations, and stage band performances. Prerequisite: DANC 1241 or permission of instructor. Course fee: \$30.

DANC 1352 (DANC 1352) Dance Performance II. Three semester hours.
A continuation of DANC 1351. Course fee: \$30.

DANC 2131 Dance Conditioning III. One semester hour.
A continuation of DANC 1132.

DANC 2132 Dance Conditioning IV. One semester hour.
A continuation of DANC 2131.

DANC 2192 Music for Dancers. One semester hour.
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 2210 (DANC 2208) Tap III (Intermediate Tap). Two semester hours.
Relationship of style and characteristics of various types of tap dance. Emphasis on rhythmic accuracy, analysis, repertoire and composition. Course fee: \$30.

DANC 2211 (DANC 2209) Tap IV (Intermediate/Advanced Tap). Two semester hours.
Continuation and progression of DANC 2210. Prerequisite: DANC 2210 or permission of instructor. Course fee: \$30.

DANC 2241 (DANC 2241) Ballet III (Intermediate Ballet). Two semester hours.
Intermediate technique class in Ballet. Barre, center work and basic *enchainements* will be studied. Prerequisite: DANC 1242 or permission of instructor. Course fee: \$30.

DANC 2242 (DANC 2242) Ballet IV (Intermediate/Advanced Ballet). Two semester hours.
A continuation and progression of DANC 2241. Introduction of pointe work. Prerequisite: DANC 2241 or permission of instructor. Course fee: \$30.

DANC 2245 (DANC 2245) Modern III (Intermediate Modern). Two semester hours.
Intermediate modern dance technique, floor and center work, rhythm and movement combinations. Prerequisite: DANC 1246 or permission of instructor. Course fee: \$30.

DANC 2246 (DANC 2246) Modern IV (Intermediate/Advanced Modern). Two semester hours.
Continuation and progression of DANC 2245. Prerequisite: DANC 2245 or permission of instructor. Course fee: \$30.

DANC 2247 (DANC 2247) Jazz III (Intermediate Jazz). Two semester hours.
Intermediate Jazz dance based technique, improvisation and repertory. Prerequisite: DANC 1248 or permission of instructor. Course fee: \$30.

DANC 2248 (DANC 2248) Jazz IV (Intermediate/Advanced Jazz). Two semester hours.
Continuation and progression of DANC 2247. Prerequisite: DANC 2247 or permission of instructor. Course fee: \$30.

DANC 2303 Dance Appreciation. Three semester hours
Critical examination of dance as an art form and a means of cultural expression via live performance, video, experiential activities and writing. To cultivate an understanding of how dances reflect and shape the societies in which they are practiced, course will include a cross-cultural exploration of various styles and genres.

DANC 2349 (DANC 2349) Ballet Folklórico III. Three semester hours.
A continuation of DANC 1350. Prerequisite: Consent of Instructor. Course fee: \$30.

DANC 2350 (DANC 2350) Ballet Folklórico IV. Three semester hours.
A continuation of DANC 2349. Prerequisite: Consent of Instructor. Course fee: \$30.

DANC 2351 (DANC 2351) Dance Performance III. Three semester hours.
A continuation of DANC 1352. Course fee: \$30.

DANC 2352 (DANC 2352) Dance Performance IV. Three semester hours.
A continuation of DANC 2351. Course fee: \$30.

DANC 3131 Dance Conditioning V. One semester hour.
Continuation and progression of DANC 2132. Three studio hours per week.

DANC 3132 Dance Conditioning VI. One semester hour.
Continuation and progression of DANC 3131. Three studio hours per week.

DANC 3210 Tap V (Advanced Tap). Two semester hours.
Advanced tap technique, floor work, and combinations. Introduction of more complex rhythmical and technical skills. Prerequisite: DANC 2211 or permission of instructor. Course fee: \$30.

DANC 3211 Tap VI (Advanced Tap). Two semester hours.
Continuation and progression of DANC 3210. Prerequisite: DANC 3210 or permission of instructor. Course fee: \$30.

DANC 3241 Ballet V (Advanced Ballet). Two semester hours.
Advanced Ballet barre, center work and combinations. Introduction of partnering movements. Prerequisite: DANC 2242 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 3242 *Ballet VI (Advanced Ballet)*. Two semester hours.

Continuation and progression of DANC 3241. Prerequisite: DANC 3241 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 3245 *Modern V (Advance Modern)*. Two semester hours.

Advanced modern technique, center work and combinations in Modern dance. Prerequisite: DANC 2246 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 3246 *Modern VI (Advanced Modern)*. Two semester hours.

Continuation and progression of DANC 3245. Three studio hours per week. Course fee: \$30.

DANC 3247 *Jazz V (Advanced Jazz)*. Two semester hours.

Advanced JAZZ based technique, center work and combinations. Prerequisite: DANC 2248 or permission of instructor. Three studio hours per week. Lab fee: \$30.

DANC 3248 *Jazz VI (Advanced Jazz)*. Two semester hours.

Continuation and progression of DANC 3247. Prerequisite: DANC 3247 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 3303 *Dance Injuries: Prevention and Treatment*. Three semester hours.

Exploration of the types of injuries that are common in dance related activities; modalities of strength/stretch training to prevent such injuries; and the treatment that should be rendered to specific injuries. Two lecture and one laboratory hour per week.

DANC 3349 *Ballet Folklórico V*. Three semester hours.

A continuation of DANC 2350. Prerequisite: Consent of Instructor. Course fee: \$30.

DANC 3350 *Ballet Folklórico VI*. Three semester hours.

A continuation of DANC 3349. Prerequisite: Consent of Instructor. Course fee: \$30.

DANC 3351 *Dance Performance V (Modern/Flamenco Troupe)*. Three semester hours.

A continuation of DANC 2352. Three studio hours per week. Course fee: \$30.

DANC 3352 *Dance Performance VI (Modern/Flamenco Troupe)*. Three semester hours.

A continuation of DANC 3351. Three studio hours per week. Course fee: \$30.

DANC 3393 *Dance History*. Three semester hours.

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 4131 *Dance Conditioning VII*. One semester hour.

A continuation of DANC 3132. Three studio hours per week.

DANC 4132 *Dance Conditioning VIII*. One semester hour.

A continuation of DANC 4131. Three studio hours per week.

DANC 4182 *Concert Choreography*. One semester hour.

Conceptualization, realization, direction and production of a choreographic work for formal and informal presentation. Three studio hours per week. Course fee: \$30.

DANC 4210 *Tap VII (Advanced Tap)*. Two semester hours.

Advanced tap technique, center work and combinations. Prerequisite: DANC 3211 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 4211 *Tap VIII (Advanced Tap)*. Two semester hours.

Continuation and progression of DANC 4210. Prerequisite: DANC 4210 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 4241 *Ballet VII (Advanced Ballet)*. Two semester hour.

Advanced ballet barre, center work and combinations. Prerequisite: DANC 3242 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 4242 *Ballet VIII (Advanced Ballet)*. Two semester hour.

Continuation and progression of DANC 4241. Prerequisite: DANC 3246 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 4245 *Modern VII (Advanced Modern)*. Two semester hour.

Advanced Modern technique, floor work and combinations. Prerequisite: DANC 3246 or permission of instructor. Course fee: \$30.

DANC 4246 *Modern VIII (Advanced Modern)*. Two semester hour.

Advanced Modern technique, floor work and combinations. Prerequisite: DANC 3246 or permission of instructor. Course fee: \$30.

DANC 4247 *Jazz VII (Advanced Jazz)*. Two semester hour.

Advanced Jazz based technique, center work and combinations. Prerequisite: DANC 3248 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 4248 *Jazz VIII (Advance Jazz)*. Two semester hour.

Continuation and progression of DANC 4247. Prerequisite: DANC 4247 or permission of instructor. Three studio hours per week. Course fee: \$30.

DANC 4349 *Ballet Folklórico VII*. Three semester hour.

A continuation of DANC 3350. Prerequisite: Consent of Instructor. Course fee: \$30.

DANC 4350 *Ballet Folklórico VIII*. Three semester hour.

A continuation of DANC 4349. Prerequisite: Consent of Instructor. Course fee: \$30.

DANC 4351 *Dance Performance VII (Modern/Flamenco Troupe)*. Three semester hour.

A continuation of DANC 3352. Three studio hours per week. Course fee: \$30.

DANC 4352 *Dance Performance VIII (Modern/Flamenco Troupe)*. Three semester hour.

A continuation of DANC 4351. Three studio hours per week. Course fee: \$30.

ENGLISH (ENGL)

ENGL 1301 (ENGL 1301) *English Composition I*. Three semester hours. (FL/SP/SS)

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. Prerequisite: DENG 0370, a satisfactory score on standard assessment test, or exemption from any TSI test. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

ENGL 1302 (ENGL 1302) *English Composition II*. Three semester hours. (FL/SP/SS)

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. Prerequisite: ENGL 1301. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

ENGL 2307 *Introduction to Creative Writing*. Three semester hours. (SP)

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. Prerequisite: ENGL 1302.

ENGL 2311 (ENGL 2311) *Technical Writing*. Three semester hours. (FL, SP)

Concentrates on technical and business writing, with attention to outlines, abstracts, technical reports, informational and instructional process narratives, internal memoranda, and correspondence. Substantial writing required. Prerequisite: ENGL 1302 or equivalent course.

ENGL 2322 (ENGL 2322) *British Literature Through Neoclassicism*. Three semester hours. (FL/SS)

A study of notable developments, works, and authors in the literature of Britain through Neoclassicism. Substantial writing required. Prerequisite: ENGL 1302 or equivalent course. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

ENGL 2323 (ENGL 2323) *British Literature from the Romantics to the Present*. Three semester hours. (SP/SS)

Focus on major periods, movements and authors from the Romantics through modern times. Substantial writing required. Prerequisite: ENGL 1302 or equivalent course. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

ENGL 2327 (ENGL 2327) *American Literature to the Civil War*. Three semester hours. (FL/SS)

Covers major literary development, authors, and works in American literature through the Civil War. Substantial writing required. Prerequisite: ENGL 1302 or equivalent course. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

ENGL 2328 (ENGL 2328) *American Literature from the Civil War to the Present*. Three semester hours. (SP/SS)

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. Prerequisite: ENGL 1302 or equivalent course. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

ENGL 2332 (ENGL 2332) *Survey of World Literature to 1650*. Three semester hours. (FL)

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. Prerequisite: ENGL 1302 or equivalent course. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

ENGL 2333 (ENGL 2333) *Survey of World Literature Since 1650*. Three semester hours. (SP)

A study of several non-European literary traditions in the past three centuries, including African, Indian, Persian, Chinese, and Japanese. Substantial writing required. Prerequisite: ENGL 1302 or equivalent course. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

ENGL 2365 *Literature and Film*. Three semester hours.

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. Prerequisite: ENG 1302 or equivalent course.

ENGL 2366 *Survey of Film History*. Three semester hours.

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. Course may be repeated once when topics vary. Prerequisite: ENG 1302 or equivalent course.

ENGL 3300 *Advanced Composition*. Three semester hours. (FL/SS-EVEN)

Students enrolled in this course will be given the opportunity to expand their 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. Prerequisite: ENGL 1302 or equivalent course.

ENGL 3301 *Writing Across the Disciplines*. Three semester hours. (FL/SP/SS)

This course provides practice in writing from a multi-disciplinary perspective. Students will have the opportunity to write position papers, proposals reviews, abstracts, informative reports, laboratory reports, case studies, field observations and to design web-based projects germane to their specific major or to the discipline specified in the course descriptor. Prerequisite: ENGL 1302 or equivalent course.

ENGL 3302 *Nonfiction Prose Writing*. Three semester hours. (SP/SS-Odd)

In this course, students will use the writing process to explore their own personal experiences. Guided by their critical reading of the nonfiction prose of established authors, as well as by essays on creative nonfiction writing, students will practice writing about personal topics with the goal of producing essays that are interesting, pertinent, and meaningful to a broad selection of readers. Analysis of audience, technique, and style will therefore be an integral part of the course. Topics to be explored may relate to culture, family, personal identity, or significant life events. Prerequisite: ENGL 1302 or equivalent course.

ENGL 3303 *The American Literary Renaissance*. Three semester hours. (SP)

A study of American literature between 1836 and 1860, featuring selections by such writers as Emerson, Fuller, Thoreau, Douglas, Poe, Hawthorne, Melville, Stowe, Fern, and Whitman. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 3306 *Existentialism*. Three semester hours.

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. (Cross-listed with PHIL 3306)

ENGL 3310 *Young Adult Literature*. Three semester hours. (FL/SP)

This course covers the literature written for adolescents and includes generic (poetry, drama, fiction) and thematic considerations as well as a historical perspective. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 3311 *Great Books of the Western Tradition-Classical Period to Renaissance*. Three semester hours. (FL)

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. Classics such as Plato's Republic, Plutarch's Lives, Marcus Aurelius' Meditations, Dante's Divine Comedy may be read. May be repeated for credit when topic changes. (Cross-listed with HIST 3311 and PHIL 3311)

ENGL 3312 *Great Books of the Western Tradition - Renaissance to Present*. Three semester hours. (SP)

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. Classics such as de Tocqueville's Democracy in America, Wollstonecraft's A Vindication of the Rights of Women, Nietzsche's The Uses and Abuses of History, Thoreau's "Civil Disobedience" may be read. (Cross-listed with HIST 3312 and PHIL 3312)

ENGL 3316 *Twentieth Century Poetry*. Three semester hours. (SS-Odd)

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. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 3323 *Primary Children's Literature*. Three semester hours. (FL/SP)

Designed to help produce competencies in the understanding of the history of literature for children, the kinds of literature usually taught children, a broad examination of literature often taught to children, and techniques in using literature as a teaching material with children from the Pre-Kindergarten through fourth grade. An emphasis will be placed on Picture books, Picture Story Books and Beginning Chapter Books. To be taken by Early Childhood Education Majors. Prerequisite: Nine hours of English.

ENGL 3324 *Multicultural Children's Literature*. Three semester hours. (SP)

Advanced study of the genre Multicultural Children's Literature. Special emphasis will be placed on Hispanic literature. Literature will be studied in translation and/or in the original language. Prerequisite: Three hours sophomore lit and ENGL 3323 or consent of instructor.

ENGL 3325 *Intermediate Children's Literature*. Three semester hours.

Designed to help produce competencies in the understanding of the history of literature for children, the kinds of literature taught children, and techniques in using literature as a teaching material with children from the forth to eighth grades. An

emphasis will be placed on advanced genre materials. To be taken by Middle School Education Majors. Prerequisite: Nine hours of English.

ENGL 3326 *Studies in World Mythology*. Three semester hours. (SS-Odd)

Designed to help students understand 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. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 3329 *Studies in American Literature*. Three semester hours. (SS-Odd)

Features readings in selected authors, historical periods, literary movements, genres, themes, or cultural issues in American literature. May be repeated for credit when topic changes. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 3339 *History of the English Language*. Three semester hours. (FL)

The English language from Anglo-Saxon times to present day. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 3347 *General Linguistics*. Three semester hours. (FL)

Designed to produce competencies in using and understanding general language principles, phonetics, semantics, syntax, and socio-linguistics. Prerequisite: Three hours sophomore literature or consent of instructor. May be taken by a person who has had ENGL 4309.

ENGL 3361 *Rhetorical Theory and the Teaching of Composition*. Three semester hours. (SP/SS)

This course provides a practicum where students create essay assignments and invention and revision strategies to improve the writing process of adults and young adults. Participants will write essays based on the prompts they propose and will experiment with a number of approaches to teaching the writing process. Assignments will emerge from students' evaluation of text by experts in the field and by assessing writing programs throughout the country. Prerequisite: Three hours sophomore English or consent of instructor.

ENGL 3363 *The Reading/Writing Process*. Three semester hours.

This course is designed to provide participants with a thorough grounding in the theory of the reading and writing processes and the most effective instructional and learning practices for young writers between the ages of 10 to 15. Prerequisite: Three hours of sophomore English.

ENGL 4301 *Shakespeare's Major Plays*. Three semester hours. (FL/SPR)

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. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4302 *Philosophy in Literature*. Three semester hours. (FL)

Formulation and critical analysis of philosophical ideas in selected literary works. (Cross-listed with PHIL 4302).

ENGL 4306 *Studies in English Literature*. Three semester hours. (SP-Even)

Features readings in selected author, historical periods, literary movements, genres, themes, or cultural issues in English literature. Prerequisite: Three hours sophomore literature or consent of instructor. May be repeated for credit when topic changes.

ENGL 4309 *Advanced English Grammar*. Three semester hours. (SP)

Designed to produce competencies in understanding the English language in its theory, sound, words, grammar (both traditional and modern grammars), and its spelling. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4316 *Studies in Language*. Three semester hours.

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. Prerequisite: Six hours sophomore literature or consent of instructor. May be repeated for credit when topic changes.

ENGL 4321 *American Dialects*. Three semester hours.

Designed to help a student distinguish the differences between Standard American English and the various forms of English spoken and written in various geographic areas and social levels in the United States. Special emphasis on Texas English as it is used along the Rio Grande and in other areas of the state. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4322 *Creative Writing*. Three semester hours. (FL-SP)

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. The course may be repeated for credit but not more than twice in the same genre. May be repeated for credit up to four times. Prerequisite: ENGL 2307 or SPAN 2307 or consent of the instructor.

ENGL 4323 *Early Twentieth Century American Literature*. Three semester hours. (FL-Even)

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, Yeziarska, Steinbeck, Hurston, and Dos Passos. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4324 *Late Twentieth Century American Literature*. Three semester hours. (SP-Odd)

A representative sampling 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. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4325 *Studies in the Middle Ages*. Three semester hours.

Features readings in selected authors, historical periods, literary movements, genres, themes, or cultural issues in the literature of the Middle Ages. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4326 *Studies in World Folklore*. Three semester hours. (SS-Even)

Designed to produce competencies in understanding the processes of folklore, a general knowledge of many folklores (with special emphasis on American and Texas border areas), and the usefulness of folklore in general culture and the schoolroom. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4327 *The Sixteenth Century*. Three semester hours. (FL-Odd)

Period course introducing students to the literature from the accession of Henry VII through Elizabeth I. The course emphasizes revolutionary developments such as the discovery of the New World and the printing press. Writers may include John Skelton, Thomas More, Christopher Marlowe, and Edmund Spenser. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4328 *The Seventeenth Century*. Three semester hours. (SP-Odd)

Period course in British poetry and prose of the seventeenth century. Writers may include Milton, Donne, Herbert, Jonson, Aphra Behn, and Andrew Marvell. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4329 *The Restoration and the Eighteenth Century*. Three semester hours. (FL-Odd)

Period course in the drama, poetry, and prose of the Restoration and the eighteenth century. Writers may include Congreve, Dryden, Pope, Swift, and Samuel Johnson. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4330 *Nineteenth Century British Literature*. Three semester hours.

Special topics period course in British poetry and prose of the 19th century. Topics will vary but generally will focus on one of the following literary periods: the early Romantics, the later Romantics, or the Victorians. Prerequisite: Three hours sophomore literature or consent of instructor. May be repeated for credit once when topic changes.

ENGL 4331 *Nineteenth Century Literature: The Victorians*. Three semester hours. (SP-Even)

Period course in English poetry and prose of the Victorian age. Writers may include Charles Dickens, the Bronte sisters, the Rossettis, Tennyson, George Eliot, John Ruskin, Elizabeth Gaskell, Matthew Arnold, Charles Darwin, and Oscar Wilde. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4332 *Early American Literature*. Three semester hours.

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. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4333 *Late Nineteenth Century American Literature*. Three semester hours. (SP-Even)

A study of American literature from the Civil War to the beginning of World War I, featuring the emergence of American humor and realism and reading selections by such writers as Whitman, Dickinson, Twain, James, Howells, Crane, Chopin, Wharton, and Robinson. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4334 *Studies in World Literature*. Three semester hours.

An intensive study of a particular period, movement, or major author of World Literature. Readings will be in English translation. Topics will vary. Prerequisite: Three hours of sophomore literature or the consent of the instructor. May be repeated for credit when topic changes.

ENGL 4335 *Chicano/a Literature*. Three semester hours. (SP-Even)

A readings course in the literature written by Mexican Americans from 1848 to the present. This course explores poetry, fiction and drama from a historical and thematic approach. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4338 *Minority Voices*. Three semester hours. (SS-Even)

Designed to help students attain, through wide, relevant reading, an understanding of the United States culture as one of many peoples and ways of life; and literature itself as a device for securing equality among them. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4347 *Contrastive Linguistics*. Three semester hours. (SP)

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. Prerequisite: Three hours sophomore literature or consent of instructor. ENGL 3347.

ENGL 4355 *History of Literary Thought*. Three semester hours. (SP)

An introduction to the major philosophers of literature, from the ancients to the moderns. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4358 *The Bible as Literature*. Three semester hours. (FL-Even)

This is 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. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4365 *Film Literature*. Three semester hours. (SP-Even)

Introduces basic literary and dramaturgical components of film production and interpretation. Subjects, genres, or themes may vary. Prerequisite: Three hours sophomore literature or consent of instructor. Screening lab required.

ENGL 4370 *South Texas Writing Project Summer Institute, Teaching Writing*. Three semester hours.

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 preservice 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. Prerequisite: Permission from South Texas Writing Project site director. Must be concurrently enrolled in English 4371.

ENGL 4371 *South Texas Writing Project Summer Institute, Writing and Research*. Three semester hours.

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 4370.

ENGL 4390 *Issues in the Teaching of English*. Three semester hours. (SP)

A course for those planning to teach English in the secondary school. A comprehensive review of the materials a secondary English teacher must master, and how that information may be conveyed in effective classroom strategies. Required for secondary certification. Prerequisite: Three hours sophomore literature or consent of instructor.

ENGL 4395 *Current Trends in Rhetoric and Composition Theory*. Three semester hours. (SP)

The goal of this course is to examine the leading trends in contemporary rhetorical theory and practice and to review advanced writing programs and seminars throughout the country. Students will study selected readings by major theorists and become acquainted with scholarly journals related to the discipline.

ENGL 4397 *International Service Learning*. Three semester hours.

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. Prerequisite: Consent of instructor.

ENGL 4398 *Major Authors*. Three semester hours. (F)

An intensive study of the works of one or two major authors, writing in the English language. May not duplicate existing authors courses. Prerequisite: Three hours sophomore literature or consent of instructor. May be repeated for credit when topic changes.

ENGL 4399 *Senior Seminar*. Three semester hours.

The senior seminar is a special topics capstone course required of all English and English Language Arts 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 English majors. Prerequisite: At least 21 semester credit hours in English.

ENGL 5301 *Pedagogical Theory and Practice*. Three semester hours.

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 English.

ENGL 5302 *Introduction to the Profession*. Three semester hours.

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.

ENGL 5303 *Problems in Comparative Literature*. Three semester hours.

An in-depth study of an area of literature not originally written in English. The course may deal with a period, an area, a theme, or a literary type. Readings are in English. May be repeated for credit when topic changes. Prerequisite: Graduate standing.

ENGL 5304 *Studies in Language*. Three semester hours.

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. Prerequisite: Graduate standing. May be repeated for credit when topic changes.

ENGL 5305 *Milton*. Three semester hours.

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 will include: *Areopagitica*, *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*. Prerequisite: Graduate standing.

ENGL 5306 *Chaucer*. Three semester hours.

Survey of major works of Chaucer with significant textual and critical information about his works. Prerequisite: Graduate standing.

ENGL 5307 *Issues in American Literature*. Three semester hours.

An in-depth study of a theme, an idea, a literary type, a period or school of literature, or a particular writer in American Literature. May be repeated when topic changes. Prerequisite: Graduate standing.

ENGL 5308 *Problems in English Literature*. Three semester hours.

An in-depth study of a theme, an idea, a literary type, a period or school of literature, or a particular writer of English literature. May be repeated for credit when topic changes. Prerequisite: Graduate standing.

ENGL 5309 *Seminar in Literature and Languages*. Three semester hours.

An in-depth study of a special problem in language and/or literature. May be repeated for credit when topic changes. Prerequisite: Graduate standing.

ENGL 5310 *Major Writers and Their Milieu*. Three semester hours.

An in-depth study of one or more writers in English in the historical and cultural contexts in which they write. May be repeated for credit when the topic changes. Prerequisite: Graduate standing.

ENGL 5311 *Studies in Medieval Literature*. Three semester hours.

An in-depth study of a theme, an idea, a literary type, a school of literature, or a particular writer of the medieval period. May be repeated for credit when topic changes. Prerequisite: Graduate standing.

ENGL 5312 *Studies in Sixteenth Century Literature*. Three semester hours.

A detailed analysis of a major author, genre, or literary movement of the sixteenth century. Possible topics include More, Spenser, Humanism, or the Reformation. May be repeated for credit when topic changes. Prerequisite: Graduate standing.

ENGL 5313 *The Continental Novel*. Three semester hours.

Familiarizes students with major works by such novelists as Goethe, Balzac, Flaubert, Zola, Dostoyevsky, Tolstoy, Mann and Solzhenitsyn. Prerequisite: Graduate standing.

ENGL 5315 *Studies in Nineteenth Century American Literature*. Three semester hours.

An intensive investigation of an American literary milieu, a genre, or an author of the nineteenth century. May be repeated for credit when topics change. Prerequisite: Graduate standing.

ENGL 5316 *Studies in Twentieth Century American Literature*. Three semester hours.

An intensive investigation of an American literary movement, a genre, or an author of the twentieth century. May be repeated for credit when topics change. Prerequisite: Graduate standing.

ENGL 5318 *Postcolonial Studies in English*. Three semester hours.

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 postcolonialism 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 postcolonialism and postmodernism; 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. Maybe repeated when topic changes. Prerequisite: Graduate standing.

ENGL 5321 *Gender Studies*. Three semester hours.

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 the 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. Prerequisite: Graduate standing.

ENGL 5323 *Bibliographical Issues in Children's Literature*. Three semester hours.

Selection of materials for children based on personal and curriculum-needs for the young child to young adult age groups, studies of historical development. Critical analysis, study of and use of folklore, poetry, imagination and informational

literature. Contemporary realism and literature of multi-ethnic cultures. Preparation of bibliographies and displays, storytelling, and annotation writing, oral and written reports, book talks, critical evaluations, and the sharing of reading experience. Research on reading interest. Promotion of intercultural understanding through media studies. Prerequisite: Graduate standing.

ENGL 5324 *Bibliographic Issues in Young Adult Literature*. Three semester hours.

Selection of materials for young adults based on personal and curricular needs for the young adult. Study of development of the genre, critical analysis of texts, preparation of oral and written reports and book talks, compilation of bibliographies, presentation of displays, and enhancement through media studies. Prerequisite: Graduate standing.

ENGL 5328 *Studies in Seventeenth Century Literature*. Three semester hours.

An in-depth study of a major author, theme, or literary movement of the seventeenth century British Literature. Possible topics include Bacon, Jonson, Metaphysical poets, non-Shakespearean drama, Women writers, or the English Civil Wars. May be repeated for credit when topic changes. Prerequisite: Graduate standing.

ENGL 5330 *History of Rhetoric from the Classical Period through the Eighteenth Century*. Three semester hours. (FL-Even)

Students will read, discuss, and respond to the 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. Participation in the course requires extensive reading and willing contribution to class discussions. Prerequisite: Graduate standing or permission from the instructor.

ENGL 5331 *History of Rhetoric from the Nineteenth Century to the Present*. Three semester hours. (SP-Even)

Students will read, discuss, and respond to the works of rhetoricians from the nineteenth century to the present. The course will begin with an examination of Scottish rhetoric and *belles lettres* and the influence of these movements on contemporary rhetorical theory. 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. Participation in the course requires extensive reading and willing contribution to class discussions. Prerequisite: Graduate standing or permission from the instructor.

ENGL 5345 *Survey of European Literary Criticism*. Three semester hours.

This course reviews the history and philosophy of western literary criticism beginning with Plato and Aristotle and continuing through the modern period to the rise of the theories of postmodernism and deconstruction. Prerequisite: Graduate standing.

ENGL 5350 *Theory and Practice of Literary Criticism*. Three semester hours.

A survey of major theories of modern criticism. Emphasis on application of theories to critical thinking and writing. Prerequisite: Graduate standing.

ENGL 5360 *Advanced Technical Writing*. Three Semester Hours. (FL/SS) This course offers students the opportunity to gain experience beyond the introductory level in the genres of technical and professional writing. Students will practice researching, planning, and writing a variety of technical and professional documents, such as correspondence; feasibility, progress, or project reports; proposals; process descriptions; mechanical descriptions; executive summaries; instructions; and manuals. Students will also gain experience using PowerPoint for presentations. In addition, the course will expose students to some of the ethical considerations technical and professional writers face. Prerequisite: Graduate standing or permission from the instructor.

ENGL 5363 *Grant Writing*. Three Semester Hours. (SP/SS-Even)

This course focuses on a genre of writing much in demand within professional environments (for example, business, law, education, and medicine). Ideally, participants will be required to identify and analyze a need within an organization, to research and articulate the need, to research and identify potential resources, to analyze the rhetorical situation, to provide necessary documentation, and to follow formatting requirements for the genre. Documents produced may include executive summaries, abstracts, statements of need, statements of methodology, project descriptions, and progress reports. Prerequisite: Graduate standing or permission from the instructor.

ENGL 5365 *Teaching Internship in Rhetoric and Composition*. Three semester hours.

This course will review and evaluate traditional, modern, and innovative theories of rhetoric and the teaching of composition. Participants will be asked to prepare sample syllabi for freshman composition courses and essay assignments and will learn to assess writing by young adults. This is primarily an internship course, so all masters candidates who will be teaching freshman composition must register for this course prior to taking a teaching assignment. Prerequisite: Graduate standing.

ENGL 5366 *Special Issues in Rhetoric*. Three semester hours.

This course invites more intensive study of special topics related to the study of rhetoric. For each semester in which the course is offered, the topic will differ. Possible topics include feminist or political rhetoric; analysis of the rhetoric used in advertising or political speeches; visual rhetoric or the rhetoric of film. This course is repeatable up to ten hours. Prerequisite: Graduate standing.

ENGL 5367 *Issues in Composition: Theory and Application*. Three semester hours.

This course invites more intensive study of topics related to the theory that guides current trends in the teaching of writing and discusses issues related to best practices for teaching writing. Course investigation will include assessment strategies, writing across the curriculum initiatives, grading techniques, grammar for the advanced classroom, developmental writing, peer review techniques, teaching writing in multicultural settings, addressing ESL and ELL issues, adult literacy, and computer mediated instruction. Prerequisite: Graduate standing.

ENGL 5368 *Advanced Writing*. Three semester hours.

The best teachers of writing are writers themselves. The purpose of this class is to develop writing assignments relevant to the teaching of writing, to study a number of genres, and to have practice writing in those genres. Students may be asked to write an argument, experiment with writing in a discipline not their own, develop skills in business and technical writing, write nonfiction prose, participate in writing exercises illustrating a number of rhetorical modes and continue work with the development of style and voice. Prerequisite: Graduate standing.

ENGL 5370 *South Texas Writing Project Summer Institute, Teaching Writing*. Three semester hours. (SS)

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 preservice 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. Prerequisite: Permission from South Texas Writing Project site director. Must be concurrently enrolled in English 5371.

ENGL 5371 *South Texas Writing Project Summer Institute, Writing and Research*. Three semester hours. (SS)

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 5370.

ENGL 5398 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Graduate standing and consent of the major instructor/advisor. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis. Prerequisite: Graduate standing.

ENGL 5399 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Graduate standing and consent of the major instructor/advisor. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

ENGINEERING (ENGR)

ENGR 1201 (ENGR 1201) *Foundations of Engineering I*. Two semester hours. (FL/SS)

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. Corequisite: MATH 2413. Course fee: \$35.

ENGR 1202 *Foundations of Engineering II*. Two semester hours. (SP/SS)

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. Course Fee: \$35.

ENGR 1204 (ENGR 1204) *Engineering Graphics*. Two semester hours.

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. Prerequisite: ENGR 1201. Prerequisite: ENGR 1201. Course Fee: \$35.

ENGR 2103 *Engineering Mechanics-Statics & Dynamics Laboratory*. One semester hour.

Laboratory course to accompany ENGR 2303. Laboratory exercises reinforce ENGR 2303 lecture material and place importance on scientific communication and collaboration. Corequisite: ENGR 2303. Course fee: \$35.

ENGR 2105 *Principles of Electrical Engineering Laboratory*. One semester hour.

Laboratory course to accompany ENGR 2305. Laboratory exercises reinforce ENGR 2305 lecture material and place importance on scientific collaboration. Corequisite: ENGR 2305. Course Fee: \$35.

ENGR 2303 (ENGR 2303) *Engineering Mechanics-Statics and Dynamics*. Three semester hours.

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. Prerequisite: PHYS 2326. Corequisite: ENGR 2105.

ENGR 2305 (ENGR 2305) *Principles of Electrical Engineering*. Three semester hours.

Fundamentals of electrical circuit analysis, AC power and electronics, intended as a terminal course in these areas for most engineering disciplines. Prerequisites: ENGR 1202 and MATH 2414. Corequisite: ENGR 2105. (Formerly ENGR 2315)

ENGR 2372 *Introduction to Design of Experiments*. Three semester hours.

Introduction to basic probability theories and hypothesis testing. Single factor ANOVA. Randomized blocks and Latin squares, two-factorials and 2k factorial designs, robust parameter design and uncertainty analysis. Software packages are used for data mining and interpretation, with application to engineering and/or other systems. Prerequisite: MATH 2414. Course fee: \$35.

ENGR 2376 *Conservation Principles of Thermal Engineering*. Three semester hours.

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.

ENVIRONMENTAL SCIENCE (ENSC)

BIOLOGY MAJORS MAY COUNT ALL ENSC COURSES, EXCEPT ENSC 3340 AS BIOLOGY ELECTIVES.

ENSC 1101 *Introduction to Environmental Systems Laboratory*. One semester hour.

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.

ENSC 1301 *Introduction to Environmental Systems*. Three semester hours.

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.

ENSC 3310 *Environmental/Natural Resource Conservation*. Three semester hours.

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. Prerequisite: ENSC 3401.

ENSC 3401 *Environmental Sciences*. Four semester hours. (F)

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. Prerequisite: Eight hours of major's biology or permission of instructor. Lab fee: \$30. (Cross-listed with BIOL 3401)

ENSC 4170 *Senior Seminar*. One semester hour.

A discussion of research and current topics in environmental sciences. Required of environmental sciences minors in their senior year.

ENSC 4410 *Environmental Toxicology*. Four semester hours. (SP)

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. Prerequisite: Twelve hours of biology and/or environmental sciences or permission of instructor. Lab fee: \$30. (Formerly ENSC 4310)

ENSC 4340 *Environmental Regulations and Policies*. Three semester hours.

This course examines United State 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. Prerequisite: 8 SCH of natural science and junior or senior standing. (Formerly ENSC 3340)

ENSC 4420 *Environmental Microbiology*. Four semester hours.

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. Prerequisite: BIOL 2421 or permission of instructor. Lab fee: \$30. (Cross-listed with BIOL 4420/5420)

ENSC 4430 *Limnology*. Four semester hours.

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. Prerequisite: BIOL 3410 or permission of instructor. Lab fee: \$30. (Cross-listed with BIOL 4430)

ENSC 4173-4473 *Undergraduate Research*. One-four semester hours.

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. Prerequisite: Permission of instructor. Lab fee: \$30.

EARTH AND PLANETARY SCIENCES (EPSC)

EPSC 1170 (GEOL 1101) *Survey of Earth Science Laboratory*. One semester hour. (FL/SP/SS)

Laboratory course to accompany EPSC 1370. Must be taken concurrently with EPSC 1370. Lab fee: \$30.

EPSC 1370 (GEOL 1301) *Survey of Earth Science*. Three semester hours. (FL/SP/SS)

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.

EPSC 2401 *Atmospheric Science*. Four semester hours.

Structure, energy, and motions of the atmosphere; climate; fronts and cyclones; atmospheric stability; clouds and precipitation; severe storms. Includes three hours of laboratory per week. Lab fee: \$30.

FORENSIC SCIENCE

FSCI 3401 *Principles of Forensic Science*. Four semester hours.

Forensic Science is focused on the application of scientific methods and techniques to crime and law. Emphasis is placed on understanding the science behind the techniques used in evaluating physical, chemical, and biological evidence. Topics included are blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, paints, glass compositions and fragmentation, fingerprints, footprints, soil comparisons, and arson investigations, among others. Lecture/Laboratory. Prerequisite: BIOL 1470, and CHEM 1370 or permission of the instructor. Laboratory Fee: \$30.

FRENCH (FREN)

FREN 1311 (FREN 1311) *Elementary French I*. Three semester hours. (FL)

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.

FREN 1312 (FREN 1312) *Elementary French II*. Three semester hours. (SP)

A continuation of FREN 1311, with added stress on the written language. Three hours plus one hour lab. Prerequisite: FREN 1311 or equivalent course.

FREN 1620 *Elementary French*. Six semester hours.

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 (FREN 2311) *Intermediate French I*. Three semester hours. (FL)

Review of grammar introduced in FREN 1311 and 1312; readings of average difficulty in French; practice in conversation and composition. Prerequisite: FREN 1312.

FREN 2312 (FREN 2312) *Intermediate French II*. Three semester hours. (SP)

Continuation of FREN 2311 with more advanced readings. Prerequisite: FREN 2311.

FREN 2620 *Intermediate French*. Six semester hours plus one hour lab.

An intensive intermediate French course for students who have completed the beginning French course sequence (FREN 1311 and 1312). Review of grammar introduced in FREN 1311 and 1312; reading of average difficulty in French; practice in conversation and composition. Prerequisite: FREN 1312. Cross-listed with FREN 2311 and FREN 2312.

GEOGRAPHY (GEOG)

GEOG 1301 (GEOG 1301) *Physical Geography*. Three semester hours. (SS)

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.

GEOG 1303 (GEOG 1303) *General World Geography*. Three semester hours. (FL/SP/SS)

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.

GEOG 3350 *U. S.. Historical Geography*. Three semester hours. (FL)

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. Prerequisite: Six hours of history. (Cross-listed with HIST 3350)

GEOG 3351 *World History and Geography*. Three semester hours. (FL-Odd)

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. Prerequisite: Six hours of history and/or political science. (Cross-listed with HIST 3351)

GEOG 3352 *Latin American Historical Geography*. Three semester hours. (FL-Even)

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. Prerequisite: Six hours of history and/or geography, or consent of instructor. (Cross-listed with HIST 3352)

GEOG 3353 *Political Geography*. Three semester hours. (FL)

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 4301 *Introduction to Urban Planning*. Three semester hours.

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. Prerequisite: Junior standing or consent of instructor. (Cross-listed with URBS 4301 and PSCI 4301)

GEOG 4395 *Urban Historical Geography*. Three semester hours. (SP)

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 (GEOL 1103) *Introduction to Physical Geology Laboratory*. One semester hour. (FL)

Laboratory course to accompany GEOL 1303. Must be taken concurrently with GEOL 1303. Lab fee: \$30.

GEOL 1105 (GEOL 1105) *Environmental Geology Laboratory*. One semester hour. (SP)

Laboratory course to accompany GEOL 1305. Must be taken concurrently with GEOL 1305. Lab fee: \$30.

GEOL 1303 (GEOL 1103) *Introduction to Physical Geology*. Three semester hours. (FL)

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.

GEOL 1305 (GEOL 1305) *Environmental Geology*. Three semester hours. (SP)

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.

GEOL 3401 *Earth Materials: Minerals and Rocks*. Four semester hours. (SP)

An examination of minerals, and rocks; their formation and economic significance. Includes three hours of lab per week. Prerequisites: GEOL 1303/1103 or EPSC 1370/1170. Lab fee: \$30.

GEOL 3405 *Geohydrology*. Four semester hour. (FL)

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. Prerequisites: Eight hours of Geology. Lab fee: \$30.

GEOL 3415 *Sedimentology and Stratigraphy*. Four semester hours.

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. Lab fee: \$30.

GEOL 3425 *Paleontology and Earth History*. Four semester hours.

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. Prerequisite: GEOL 1303/1103 or EPSC 1370/1170. Lab fee: \$30.

GEOL 4170 *Geology Seminar*. One semester hour.

A discussion of research and current topics in the geological sciences. Prerequisite: Twelve semester hours of Geology.

GEOL 4173-4473 *Undergraduate Research in the Geosciences*. One-four semester hours.

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. Prerequisite: Twelve semester hours of Geology. Lab fee: \$30, if applicable.

GEOL 4199-4499 *Special Topics in the Geosciences*. One-four semester hours.

A course involving instruction in geology depending on student interest and specialty of instructor. May be repeated for credit when topic changes. Prerequisite: Twelve semester hours of Geology. Lab fee: \$30, if applicable.

GEOL 4460 *Introduction to Geographic Information Systems*. Four Semester hours.

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. Prerequisite: Senior standing. (Cross-listed with BIOL 4460 and BIOL 5460)

HISPANIC STUDIES (HISP)

HISP 6300 *Theory of Literary Analysis, Bibliographic Research, and Literary Writing Method*. Three semester hours.

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. Prerequisite: Graduate standing. (Cross-listed with SPAN 5300)

HISP 6304 *Seminar in Language*. Three semester hours.

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. Prerequisite: Graduate standing.

HISP 6305 *Seminar in Golden Age Literature*. Three semester hours.

A seminar in a special topic on the poetry, drama, and prose of the Golden Age. May be repeated when topic changes. Prerequisite: Graduate standing.

HISP 6313 *Seminar in Modern Peninsular Literature*. Three semester hours.

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. Prerequisite: Graduate standing.

HISP 6339 *Seminar in the History of Spain*. Three semester hours.

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. Prerequisite: Graduate standing.

HISP 6343 *Special Topics in Hispanic Literature and Culture*. Three semester hours.

A seminar dealing with diverse themes and currents in the literature of Spain or Spanish America. The focus may be a genre (the pastoral), a theme (the portrayal of women), or cultural/cross-cultural issues in Hispanic Letters. Prerequisite: Graduate standing.

HISP 6344 *Seminar in Modern Spanish American Literature*. Three semester hours.

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 *civilizacion-barbarie*, revolution and society, race and gender, and social justice. Prerequisite: Graduate standing.

HISTORY (HIST)

HIST 1301 (HIST 1301) *The U. S. to 1877.* Three semester hours. (FL/SP)

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. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

HIST 1302 (HIST 1302) *The U. S. Since 1877.* Three semester hours. (FL/SP)

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. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

HIST 1310 *Military History of the United States.* Three semester hours.

The military history of the United States from the American Revolution to the present. May be substituted for either HIST 1301 or HIST 1302. Recommended for all ROTC students.

HIST 2321 (HIST 2321) *World Civilization to 1648.* Three semester hours. (FL)

A study of the ancient civilizations of India, China, Japan, Egypt, Mesopotamia, Greece, the Roman Republic and Empire, the Barbarian West, Feudalism and the Rise of Feudal Monarchy, the Renaissance and Reformation, the Expansion of Europe, and the Age of Louis XIV. GEOG 1303 is used as a complementary subject and is suggested as an elective.

HIST 2322 (HIST 2322) *World Civilization Since 1648.* Three semester hours. (SP)

A study of the Age of Reason and the Age of Enlightenment; the French Revolution and the Age of Napoleon; the Industrial Revolution; the unification of Italy and Germany; European Imperialism; World War I; the triumph of communism in Russia; and triumph of fascism in Italy and Germany; World War II; the Cold War; and the emergence of Asia, Africa, and Latin America. GEOG 1303 is used as a complementary subject and is suggested as an elective.

HIST 2420 *The American Way.* Three semester hours.

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 3301 *Mexico.* Three semester hours. (SP)

The history of Mexico before 1910 and a more intensive study of the later periods. Both domestic and foreign affairs will be considered, with emphasis on Mexico's relations with other nations of the Western World. Prerequisite: Six hours of history or permission of instructor.

HIST 3302 *History of Texas.* Three semester hours. (FL)

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. Prerequisite: Six hours of history or permission of instructor.

HIST 3303 *Historical Methods (WIN).* Three semester hours.

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. Prerequisite: HIST 1301/1302.

HIST 3311 *Great Books of the Western Tradition-Classical Period to Renaissance.* Three semester hours. (FL)
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. Classics such as Plato's Republic, Plutarch's Lives, Marcus Aurelius' Meditations, Dante's Divine Comedy may be read. May be repeated for credit when topic changes. (Cross-listed with ENGL 3311 and PHIL 3311)

HIST 3312 *Great Books of the Western Tradition - Renaissance to Present.* Three semester hours. (SP)
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. Classics such as de Tocqueville's Democracy in America, Wollstonecraft's A Vindication of the Rights of Women, Nietzsche's The Uses and Abuses of History, Thoreau's "Civil Disobedience" may be read. (Cross listed with ENGL 3312 and PHIL 3312)

HIST 3320 *The World Since 1914.* Three semester hours. (FL-Even)
Forces, movements and events which have produced present world conditions. Prerequisite: Six hours of history or permission of instructor.

HIST 3330 *History of Latin America.* Three semester hours.
Study of both the Colonial and National Periods of Latin America. Coverage on the earlier era will extend from the indigenous peoples to the Conquest and Colonial era. In the National Period, attention will be given to the transition to independence and accompanying issues, including relations with non-Hispanic powers, to the spread of industrialization late 1800s, to the rise of Populist leaders in the 20th Century, as well as recent trends.

HIST 3350 *U. S. Historical Geography.* Three semester hours. (FL)
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. Prerequisite: Six hours of history. (Cross-listed with GEOG 3350)

HIST 3351 *World History and Geography.* Three semester hours. (FL-Odd)
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. Prerequisite: Six hours of history and/or political science. (Cross-listed with GEOG 3351)

HIST 3352 *Latin American Historical Geography.* Three semester hours. (FL-Even)
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. Prerequisite: Six hours of History and/or Geography, or consent of instructor. (Cross-listed with GEOG 3352)

HIST 3370 *Women's History (U.S.A.).* Three semester hours. (SP-Even)
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.

HIST 3380 *United States Diplomatic History.* Three semester hours. (FL-Odd)
The course examines the origins of U. S. modern diplomatic practices; territorial and commercial expansion; legal and constitutional problems; and the course of U. S. foreign relations. Topics include America's emergence as a leader in world affairs; imperialism; international collaboration; participation in world wars; and the Cold War. (Cross-listed with PSCI 4340)

HIST 3385 *History of the Mexican American in the Southwest.* Three semester hours. (SP)
A survey from the first Spanish settlers in the southwest region of the United States to the present. Prerequisite: Six hours of history and/or political science.

HIST 3392 *Survey of the Middle East.* Three semester hours. (SP-Even)
An overview of Middle East History from the advent of Islam to the rise of the Ottoman Empire in the mid-15th century to recent times. It analyzes the development of Islamic society and its interaction with contemporary European society, leading in modern times to the rise of Arab nationalism, the Arab-Israeli dilemma and emergence of the Middle East as a hot spot in world power politics.

HIST 3393 *History of Asia*. Three semester hours. (FL-Odd)

A survey of China, India, and Japan from the earliest peoples to the formation of the classical civilizations; the great philosophical and religious systems of Asia; impact of European and American cultures; and the rise of nationalism and Asian transformations since 1914.

HIST 3394 *History of Africa*. Three semester hours. (FL-Even)

Evolution of humankind and early cultures, the iron age, and the rise of the first states and empires. Impact of Islam on Sub-Saharan peoples and the East African coast. Reactions of African civilizations to Europeans, imposition of colonial rule, and the winning of independence. State-building since independence.

HIST 4302 *Greek and Roman History*. Three semester hours. (FL/SS-Even)

A study of the central period of classical Greek history and the Hellenistic Age (5th to 1st centuries B.C.) combined with the study of the central period of the Roman history (1st century B.C. to 2nd century A. D.) Strong emphasis will be placed upon the development of political institutions in both civilizations and upon cultural relationships between the two. Prerequisite: Six hours of history or permission of instructor.

HIST 4310 *Intellectual History of the United States*. Three semester hours. (FL)

The impact of major ideas on the development of the nation, with emphasis on 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. This course is designated as a senior capstone course for History majors. Prerequisite: Senior standing. (Formerly HIST 3310)

HIST 4316 *Colonial America: From the Age of Discovery to 1763*. Three semester hours. (FL-Odd)

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.

HIST 4317 *American Revolution/Early National Era 1763-1815*. Three semester hours.

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.

HIST 4318 *The Age of Jackson to the Civil War, 1815-1865*. Three semester hours.

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.

HIST 4320 *The Middle Ages*. Three semester hours. (FL-Odd)

Europe from the downfall of Rome to the 14th century. The study of development of feudal society; impact of Islamic and Byzantine worlds; rise of the Papacy and the Crusades; economic life, technology, and invention; intellectual revival of the 12th century; crises of the 13th century; and developments of the later Middle Ages. Prerequisite: Six hours of history or permission of instructor. May be taken for graduate credit.

HIST 4330 *Renaissance and Reformation*. Three semester hours. (SP-Even)

Economic, social and religious trends which were unleashed during these two important periods, and which in turn established the foundation of the modern world. Prerequisite: Six hours of history. May be taken for graduate credit.

HIST 4340 *Early Modern Europe: 1600-1789*. Three semester hours. (SP-Even)

A history of the political, social, economic and intellectual character of 17th and 18th century Europe. Prerequisite: Six hours of history and/or political science. May be taken for graduate credit.

HIST 4341 *Nineteenth Century Europe*. Three semester hours. (SP-Odd)

Political, social and economic development in Europe from 1814 to 1914. Prerequisite: Six hours of history or permission of instructor. (Formerly HIST 3342)

HIST 4342 *Modern Europe: 1914-1990*. Three semester hours.

An examination of the political, social and cultural development of Europe in the 20th Century. Prerequisite: Six hours of history and/or political science. May be taken for graduate credit.

HIST 4364 *U. S. Southern History*. Three semester hours.

Study of the major themes in the history of the southern U. S., including slavery, the rise of sectionalism, secession and Civil War, the development of Jim Crow laws and customs, the Lost Cause, and the Civil Rights Movement. This course will examine the political, social, economic, and cultural history of the South and its impact on the nation as a whole. Prerequisite: Six semester credit hours of history. May be taken for graduate credit.

HIST 4366 *Building Modern America, 1865-1914*. Three semester hours.

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". Prerequisite: Six semester credit hours of history. May be taken for graduate credit.

HIST 4367 *United States' Rise to World Power in the Twentieth Century*. Three semester hours. (FL-Even)

The 1920s, the Great Depression, and World War II. Prerequisite: Six hours of history or permission of instructor. May be taken for graduate credit.

HIST 4368 *United States Since 1945*. Three semester hours. (FL-Even)

The Cold War; social and cultural changes; the Vietnam era; and the Nixon, Ford, Carter, Reagan, Bush, and Clinton administrations. Prerequisite: Six hours of history or permission of instructor. May be taken for graduate credit.

HIST 4390 *Seminar in History*. Three semester hours. (SP/SS-Odd)

Lectures, directed readings, seminar reports, and supervised research in a specified field of history. May be repeated once when topic changes. Prerequisite: Six hours of history and/or political science. May be taken for graduate credit.

HIST 4391 *Problems in World History*. Three semester hours. (FL-Even)

A study of the political, social, and cultural development of specific nations or regions of the world from an historical perspective. May be repeated when topic changes. May be taken for graduate credit.

HIST 4395 *Urban Historical Geography*. Three semester hours. (FL-Even)

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 GEOG 4395 and URBS 4395)

HIST 5301 *Problems in American History*. Three semester hours.

A seminar in American History. A study of research methods followed by the development of one or more research projects by each student, with papers or reports on the projects. May be repeated once when topic changes. Prerequisite: Graduate standing in history.

HIST 5302 *The West in American History*. Three semester hours.

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. Prerequisite: Graduate standing.

HIST 5303 *The Teaching of American History*. Three semester hours.

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.

HIST 5305 *Civil War and Reconstruction*. Three semester hours.

Examines the events leading to the Civil War, military operations, the aftermath of the war, and the importance of the Reconstruction Era. Prerequisite: Graduate standing.

HIST 5310 *Problems in World History*. Three semester hours.

A survey of world history (emphasizing non-Western civilizations) from the earliest times to the twentieth century. Emphasis on Eastern civilizations. May be repeated once when topic changes. Prerequisite: Graduate standing in history.

HIST 5315 *Seminar in Twentieth Century U. S. History*. Three semester hours.

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. Prerequisite: Graduate standing in history.

HIST 5320 *Problems in Latin American History*. Three semester hours.

A seminar in Latin American history with emphasis on the development of a research project or projects. May be repeated once when topic changes. Prerequisite: Graduate standing in history.

HIST 5324 *Seminar in U. S. Women's History*. Three semester hours.

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. Prerequisite: Graduate standing in history.

HIST 5325 *Seminar in Mexican History*. Three semester hours.

A seminar focusing on social, economic, political, and religious aspects of Mexico. Topics may cover periods from Indian Mexico to recent developments. Prerequisite: Graduate standing in history.

HIST 5330 *Seminar in European History*. Three semester hours.

The course focuses on selected periods and issues of European History. The emphasis in each case is on historiographical issues. Prerequisite: Graduate standing in history. May be repeated once when topic changes.

HIST 5340 *Seminar in Asian History*. Three semester hours.

The course focuses on selected periods and issues of Asian History. The emphasis is on historiographical issues. Prerequisite: Graduate standing in history.

HIST 5345 *Seminar in U. S. Foreign Relations*. Three semester hours.

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. Prerequisite: Graduate standing in history.

HIST 5355 *Seminar in the History of Religion*. Three semester hours.

The course focuses on selected periods and issues in religious history. The emphasis is on historiographical issues. Prerequisite: Graduate standing in history.

HIST 5360 *Seminar in Border History*. Three semester hours.

The course deals with the Texas-Mexican Border with special emphasis on South Texas. Coverage includes Pre-Hispanic cultures, the Spanish and Mexican Periods, and the blending of cultures with the arrival of the Anglo-Americans in the late 1800s. Prerequisite: Graduate standing in history.

HIST 5380 *Historiography*. Three semester hours.

Seminar concerned with the study of history as an intellectual discipline. Readings and a research project will familiarize students with the contributions of major historians and schools of historical thought from Herodotus to the present. Prerequisite: Senior and graduate level history majors.

HIST 5398 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Graduate standing and approval of the major instructor/advisor. If grade of IP received, student must enroll again for credit.

HIST 5399 Thesis. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Graduate standing and approval of the major instructor/advisor. If grade of IP received, student must enroll again for credit.

HEALTH ADMINISTRATION (HLTH)

HLTH 5334 Health Law. Three semester hours.

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. Three semester hours.

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. Three semester hours.

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. Three semester hours.

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 Administration. Three semester hours.

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 Organization Budgeting and Financial Management. Three semester hours.

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 Administration. Three semester hours.

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 and Policy Implementation. Three semester hours.

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. Three semester hours.

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 Administration. Six Semester Hours.

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.

HUMANITIES (HUM)

HUM 2301 The Western Cultural Tradition. Three semester hours.

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. Prerequisite: ENGL 1302 or equivalent.

INTERNATIONAL STUDIES (INTL)

INTL 1101 *Global Issues Seminar*. One semester hour (two hours contact). (SP)

This seminar explores common international themes in order to better appreciate an increasingly global interdependence. It focuses on five broadly diverse social, legal, economic, political and technological conditions which capture the essence of a global perspective. It draws from the specialties of a wide array of disciplines and the expertise of a multicultural pool of faculty members. May be taken in place of UNIV 1102.

LATIN AMERICAN STUDIES (LAS)

LAS 4302 *Senior Seminar in Latin American Studies*. Three semester hours.

A multidisciplinary analysis of issues relating to Latin America. Students will develop interdisciplinary, independent projects. Prerequisite: Senior standing and Latin American Studies major.

LAS 4310 *Latin American Information Resources*. Three semester hours.

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*. Three semester hours.

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. Prerequisite: Consent of instructor.

LATIN (LATI)

LATI 1311 (LATI 1311) *Elementary Latin I*. Three semester hours. (FL/SP)

An introduction to basic grammar, syntax, and vocabulary of Latin through reading and composition. Recommended for students with no previous experience with the language.

LATI 1312 (LATI 1312) *Elementary Latin II*. Three semester hours. (SP)

A continuation of Elementary Latin I. This course continues the study of basic grammar, syntax, and vocabulary of Latin through reading and composition. Prerequisite: LATI 1311 or consent of instructor.

MATHEMATICS (MATH)

MATH 1314 (MATH 1314) *College Algebra*. Three semester hours. (FL/SP/SS)

The fundamentals of algebra; polynomials and graphs; conic sections; systems of linear equations, matrices; sequences and series; mathematical induction and the binomial theorem. Prerequisite: Freshman standing. A THEA score of 250 is required for students who do not have an ACT Math score of 19 or above or an SAT Math score of 450 or above.

MATH 1316 (MATH 1316) *Plane Trigonometry*. Three semester hours. (FL/SP/SS)

Trigonometry, analytic trigonometry, applications of trigonometry, complex numbers, polar coordinates and parametric equations. Prerequisite: One or more of an ACT Mathematics score of 27 or above, an SAT Mathematics score of 630 or above, a COMPASS score of College Algebra 51 or above, or MATH 1314.

MATH 1324 (MATH 1324) *Business Mathematics I*. Three semester hours. (FL/SS)

Systems of linear equations and matrices; linear programming; mathematics of finance; limits, continuity, derivatives. Prerequisite: One or more of an ACT Mathematics score of 25 or above, an SAT Mathematics score of 600 or above, a COMPASS score of College Algebra 35 or Algebra 81 or above, or MATH 1314.

MATH 1325 (MATH 1325) *Business Mathematics II.* Three semester hours. (SP/SS)

Applications of the derivative, anti-derivatives, and techniques of integration; functions and calculus of several variables. Prerequisite: MATH 1324.

MATH 1333 *Mathematics for Liberal Arts.* Three semester hours. (FL/SS)

This course is designed to enhance mathematical literacy and to stimulate interest in and appreciation for mathematics and quantitative reasoning as valuable tools for addressing issues in a constantly changing society. Topics may include, at an introductory level: 1) logical reasoning and problem solving through mathematical games and puzzles; 2) counting and number concepts (number theory and infinity); 3) geometry (Euclidean/non-Euclidean/fractal geometrics, and topology); and 4) probability and statistics. Prerequisite: MATH 1314.

MATH 1342 (MATH 1342) *Introductory Statistics.* Three semester hours. (FL/SS)

Topics include organization of data; probability; random variables; the normal distribution; inferences; chi-square; regression and correlation; analysis of variance; and non-parametric statistics. Prerequisite: MATH 1314.

MATH 1348 (MATH 1348) *Analytic Geometry.* Three semester hours.

Study of the equations of lines, circles and conics. Vectors in two and three dimensions. Dot and cross product. Introduction to quadrics. Prerequisite: MATH 1316 or MATH 2412.

MATH 1350 (MATH 1350) *Fundamentals of Mathematics I.* Three semester hours.

Sets, relations, functions, number system, and elementary number theory. This course cannot be used to fulfill Core Curriculum requirements. Prerequisite: MATH 1314.

MATH 1351 (MATH 1351) *Fundamentals of Mathematics II.* Three semester hours.

Probability, statistics, and geometry. This course cannot be used to fulfill Core Curriculum requirement. Prerequisite: MATH 1350.

MATH 2330 *Elementary Geometry.* Three semester hours.

Introduction to classical Euclidean Geometry. Postulates, congruency, similarity and classical construction. Introduction to solid geometry and transformations in the plane. (Formerly MATH 3320)

MATH 2371 *Communications in Mathematics.* Three semester hours. 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. Prerequisite: ENGL 1302.

MATH 2412 (MATH 2412) *Pre-Calculus.* Four semester hours. (SP)

A more advanced course than both MATH 1314 and 1316 giving a review of their combined content. Prerequisite: A COMPASS score of College Algebra or above is required for students who do not have a THEA Mathematics score of 280 or above, an ACT Mathematics score of 25 or above, or an SAT Mathematics score of 600 or above.

MATH 2413 (MATH 2413) *Calculus I.* Four semester hours. (FL/SS)

Limits, continuity, differentiation, applications to optimization; integration and the Fundamental Theorem of Calculus. Prerequisite: One or more of an ACT Mathematics score of 29 or above, an SAT Mathematics score of 660 or above, a COMPASS score of College Algebra 60 or above and Trigonometry 51 or above, MATH 1316, or MATH 2412.

MATH 2414 (MATH 2414) *Calculus II.* Four semester hours. (SP/SS)

Techniques and applications of integration: area between curves, volumes of solids of revolution, work, areas of surfaces of revolution, arc-length, introduction to differential equations, parametric equations and polar coordinates, sequences and series. Prerequisite: MATH 2413.

MATH 2415 (MATH 2415) *Calculus III.* Four semester hours. (FL)

Vector operations in \mathbf{R}^2 , \mathbf{R}^3 , lines, planes; vector-functions, space curves, curvature; multivariable calculus, optimization, Lagrange multipliers; multiple integrals; vector fields, theorems of Green, Gauss and Stokes. Prerequisite: MATH 2414.

MATH 3195-3395 *Seminar.* One-three semester hours.

Seminar on various topics in mathematics. May be repeated for credit with departmental approval.

MATH 3310 *Introduction to Linear Algebra*. Three semester hours. (FL)

Introduction to linear transformations and matrices; vector spaces, vector operations. Prerequisite: MATH 2415.

MATH 3318 *Advanced Linear Algebra*. Three semester hours.

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. Prerequisite: MATH 3310.

MATH 3325 *Geometry*. Three semester hours.

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. Prerequisite: MATH 3310.

MATH 3328 *Advanced Geometry*. Three semester hours.

Study of Neutral, Euclidean and Hyperbolic geometrics from an axiomatic perspective. Prerequisite: MATH 3365.

MATH 3330 *Ordinary Differential Equations*. Three semester hours.

Solution of first order differential equations. Study of second and higher order equations with constant coefficients. Power series solutions. Laplace Transform and Linear Systems. A brief introduction to numerical methods. Prerequisite: MATH 2414.

MATH 3360 *Statistical Analysis*. Three semester hours. (SP)

Fundamentals of probability, distribution theory, random variables, law of large numbers, central limit theorems, statistical inequalities. Prerequisite: MATH 2414.

MATH 3365 *Discrete Mathematics*. Three semester hours. (FL)

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. Prerequisite: MATH 2413.

MATH 4152-4452 *Internship in Mathematics*. Three semester hours. (FL/SP/SS)

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. Prerequisite: Permission of the instructor and advisor.

MATH 4305 *Number Theory*. Three semester hours. (FL)

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*. Three semester hours. (SP)

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. Prerequisite: MATH 3365.

MATH 4315 *Abstract Algebra II*. Three semester hours. (FL)

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. Prerequisite: MATH 4310.

MATH 4330 *Numerical Linear Algebra*. Three semester hours.

Numerical methods for problems of linear algebra, including the solution of large systems, eigenvalues and eigenvectors. Prerequisite: MATH 3310.

MATH 4335 *Advanced Calculus*. Three semester hours. (FL)

A course in real analysis. It will include topology, continuity, differentiation, integration, sequences, series and power series. Prerequisite: MATH 2415.

MATH 4340 *Numerical Analysis I*. Three semester hours. (SP)

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*. Three semester hours. (FL)

Finite difference methods and finite element methods for elliptic, parabolic and hyperbolic equations. Prerequisites: MATH 4340 and MATH 4350.

MATH 4345 *Complex Variables*. Three semester hours. (SP)

This is a course in complex variables which will include analytic functions, power series, the theory of residues and conformal mappings. Prerequisite: MATH 4335 or permission of instructor.

MATH 4350 *Partial Differential Equations*. Three semester hours. (SP)

Fourier series, the Heat, Wave and Potential equations. Problems in several dimensions. Prerequisite: MATH 3330.

MATH 4355 *Selected Topics in Mathematics*. Three semester hours.

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*. Three semester hours. (FL)

Basic concepts of point-set topology including connectedness, compactness, etc. and metric spaces. Prerequisite: MATH 3365 and MATH 4335.

MATH 4365 *Geometry of Curves and Surfaces*. Three semester hours. (FL/SS)

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. Prerequisite: MATH 2415, 3310.

MATH 4385 *History of Mathematics*. Three semester hours. (FL)

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. Prerequisite: Nine semester hours of advanced mathematics.

MATH 4390 *Mathematics in the Middle and High Schools*. Three semester hours. (SP)

Selected topics from secondary school mathematics. Content, materials, and contemporary issues specific to teaching of mathematics at the secondary school level. Corequisite: EDCI 4993.

MATH 4395 *Senior Mathematics Project*. Three semester hours.

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. Prerequisite: Senior standing and permission of instructor.

MATH 5191 *Mathematics Seminar*. One semester hour.

A seminar presents diverse topics from pure and applied mathematics. Students are encouraged to present a series of articles, journals and portions of monographs during the class meetings. May be repeated once when topics vary. Prerequisites: Graduate standing and permission of instructor. (Formerly MATH 5190)

MATH 5252 *Internship in Mathematics*. Two semester hours.

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 Methods in Mathematics*. Two semester hours.

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*. Three semester hours.

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*. Three semester hours.

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. Prerequisite: MATH 5303.

MATH 5305 *Real Analysis I*. Three semester hours.

This is a course on Lebesgue measure and integration. The classical L^p spaces will be defined and basic results established, such as the Holder and Minkowski inequalities and completeness of the spaces. Prerequisite: Graduate standing and permission of instructor.

MATH 5306 *Linear Algebra*. Three semester hours.

Topics include: Canonical structure theorems, diagonalization, the spectral theorem, inner-product spaces, and their applications and extensions. Prerequisite: Graduate standing and permission of instructor.

MATH 5311 *Real Analysis II*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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. Prerequisite: Graduate standing and consent of instructor.

MATH 5321 *Complex Variables II*. Three semester hours.

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*. Three semester hours.

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. Prerequisite: Graduate standing and consent of instructor.

MATH 5331 *Abstract Algebra II*. Three semester hours.

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*. Three semester hours.

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 Differential Equations I*. Three semester hours.

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. Prerequisite: Graduate standing and permission of instructor.

MATH 5355 *Advanced Topics in Mathematics*. Three semester hours.

Advanced topics selected from the fields of pure or applied mathematics. May be repeated when topic changes. Prerequisite: Graduate standing and permission of instructor.

MATH 5360 *Partial Differential Equations*. Three semester hours.

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. Prerequisite: MATH 5350.

MATH 5365 *Topology*. Three semester hours.

This is an introductory course in point-set topology. The course will include topological spaces, continuous functions, connectedness, separation axioms. Tychonoff's theorems, para-compactness, complete metric spaces and function spaces will also be discussed. Prerequisite: Graduate standing and permission of instructor.

MATH 5367 *Numerical Methods for PDE I*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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 5398 *Thesis I*. Three semester hours.

To be scheduled by the student in consultation with his/her advisor. Prerequisite: Graduate standing and permission from the student's thesis advisory committee. 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. Evaluation of performance in this course is on CR/NC basis. If grade of IP is received, student must enroll again for credit.

MATH 5399 *Thesis II*. Three semester hours.

To be scheduled by the student in consultation with his/her advisor. Prerequisite: Graduate standing and permission from the student's thesis advisory committee. Approval of the major professor and the department chair. Evaluation of performance in this course is on CR/NC basis. A good standing in MATH 5398 Thesis I is required. If grade of IP is received, student must enroll again for credit.

MILITARY SCIENCE (MS)

MS 1001 *Self-Defense and Combative Techniques Laboratory*. Non-credit.

Practical physical and individual training in unarmed self-defense and combative techniques against common and uncommon street attacks. Laboratory also includes aerobic and anaerobic exercises and flexibility and strength training. Designed to build individual confidence and improve the self-defense capability of the students during opponent attacks commonly seen on street fighting. The laboratory stresses confidence, discipline and physical fitness. May be repeated for as long as prerequisite and Corequisite are met. Prerequisite: Approval of Professor of Military Science, or completion of or concurrent enrollment in any of the following: MS 1303, MS 1304, MS 2303, MS 2304, MS 3303, MS 3304, or MS 4304.

MS 1202 *Military Science Physical Fitness Laboratory*. Two semester hours.

This course continuous the development of the cadet physical fitness abilities and ethos. It will fully prepare the cadet for the APFT and physical rigors of the U. S. Army. This course focuses on total fitness of the individual, including physical and health related fitness, weight control, and personal wellness. Cardiopulmonary endurance will be developed through exercises using a variety of activities to strengthen the heart, lungs and vascular system. Muscular strength, endurance and flexibility are also improved through a variety of weight training and other conditioning programs. May be repeated for credit. Corequisite: Taken concurrently with any appropriate Military Science class or approval of Military Science Department. Course fee: \$10.

MS 1211 *Ranger Challenge Laboratory*. Two semester hours.

Practical leadership and teamwork training in rappelling, rope bridges, weapons firing, map reading and land navigation, water safety, patrolling, and other ranger skills. May be repeated for credit. Course fee: \$10.

MS 1221 *Unarmed Self-Defense and Combative Laboratory*. Two semester hours.

Designed as an introductory course for self-defense. Practical physical and individual training in unarmed self-defense and combative techniques. Classes consist of aerobic, flexibility and strength training as well as technical and self-defense instruction. Designed to build individual confidence and improve the self-defense capability of students. The laboratory stresses confidence, discipline and physical fitness. May be repeated for credit. Prerequisite/corequisite: Approval of Professor of Military Science, or completion of or concurrent enrollment in any of the following: MS 1303, MS 1304, MS 2303, MS 2304, MS 3303, MS 3304, or MS 4304. Course fee: \$10.

MS 1303 *Basic Military Science (MS I Fall Semester)*. Three semester hours.

Designed as an introductory course for Army ROTC which develops the individual student's skills required for a successful academic experience. Stresses study skills in note taking, motivation, time management, memory, reading, writing, creativity, relationships, and physical fitness. Includes a leadership laboratory and a weekend field trip. Course fee: \$30.

MS 1304 *Basic Military Science (MS I Spring Semester)*. Three semester hours.

An orientation into basic military science. Includes a leadership laboratory and a weekend field trip. Course fee: \$30.

MS 2303 *Leadership and Intermediate Military Science. (MS II Fall Semester)*. Three semester hours.

An application of leadership principles and intermediate military skills, with emphasis on individual and squad level tactics, advanced land navigation and first aid techniques. Stresses physical fitness and provide adventure training. Includes a leadership laboratory. Prerequisites: MS 1303 and MS 1304 or approval of Professor of Military Science. Course fee: \$30.

MS 2304 *Leadership and Intermediate Military Science. (MS II Spring Semester).* Three semester hours.

A continuation of the application of leadership principles and intermediate military skills. Management and motivational techniques are studied through placement of students in positions of small unit leadership. Stresses physical fitness and provides adventure training in leadership positions. Includes a leadership laboratory. Prerequisite: MS 1303, MS 1304 and MS 2303 or approval of Professor of Military Science. Course fee: \$30.

MS 3303 *Advanced Military Science. (MS III Fall Semester).* Three semester hours.

Methods and techniques of planning, preparing and conducting individual and collective military training and operations. Leadership laboratory may be conducted off campus on weekends. Course fee: \$30.

MS 3304 *Advanced Military Science. (MS III Spring Semester).* Three semester hours.

The leader's role in small unit tactics. Offensive and defensive operations, use and deployment of communication equipment, weapons, and other tactical equipment. Leadership laboratory may be conducted off campus on weekends. Course fee: \$30.

MS 3405 *Internship in Military Science. (MS III Summer Semester).* Four semester hours.

Six weeks of total environment training consisting of practical application of leadership and management skills. Formal instruction in tactics, techniques, and skills required for all future officers. Prerequisites: MS 3303 and/or MS 3304 and full contract status with the U. S. Army.

MS 4105 *Advanced Military Science.* One semester hour.

Special problems course. Individual study. May be repeated for credit. Prerequisite: Approval of Professor of Military Science.

MS 4303 *Advanced Military Science. (MS IV Fall Semester).* Three semester hours.

Problem definition and analysis, decision making, planning and organizing, functions of key staff members, interpersonal skills, and oral communication. Leadership laboratory activities may be conducted off campus on weekends. Prerequisites: MS 3303 and/or MS 3304 or approval of Professor of Military Science. Course fee: \$30.

MS 4304 *Advanced Military Science. (MS IV Spring Semester).* Three semester hours.

Military implications of world political and economic changes as well as changes within American Society. Also covered are unit administration, logistics, command and staff functions, and the legal basis of the military justice system. Leadership laboratory activities may be conducted off campus on weekends. Prerequisites: MS 3303, MS 3304 and MS 4303 or approval of Professor of Military Science. Course fee: \$30.

APPLIED MUSIC (MUAP)

MUAP 1010 *Music Convocation.* Non-credit.

All music students meet weekly to perform before colleagues and faculty, to learn stage deportment techniques, performance practices, and exchange information. Required concurrent enrollment in relevant MUAP course for all music majors and minors. Evaluation of performance in this course is on a Pass/No Pass basis.

MUAP 1113 *Applied Music Instruction (lower division).* *One semester hour.

MUAP 1213 *Applied Music Instruction (lower division).* **Two semester hours.

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 MUSI 1010 for all music majors and minors. Course fee: \$30.

MUAP 3005 *Junior Performance.* Non-credit.

A non-credit course primarily for juniors in the Bachelor of Music program. May be taken by others with consent of instructor. Participants will give a juried public recital. Prerequisite: upper-level standing, concurrent enrollment in the corresponding MUAP class, and consent of instructor. Course fee: \$40.

MUAP 3113 *Applied Music Instruction (upper division)*. *One semester hour.

MUAP 3213 *Applied Music Instruction (upper division)*. **Two semester hours.

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 MUSI 1010 for all music majors and minors. Course fee: \$30.

MUAP 4005 *Senior Performance*. Non-credit.

A non-credit course 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 requirements. Prerequisite: Students must be concurrently enrolled in their primary instrument and have the consent of the instructor. Course fee: \$80.

INSTRUMENTAL AND VOCAL COURSES. * One semester hour. **Two semester hours

These courses are one one-half hour private lessons and one hour private lessons per week, respectively, in the designated instrument. Designed for non-music majors and beginners or for music majors with limited proficiency with the instrument in question. The course allows the students to develop their progress at an individual pace. Students are expected to practice assigned work outside of class, may be asked to perform in public recitals, and will be required to perform for a jury examination before the music faculty at the end of the semester. The sequence of courses allows the students to repeat the course. They are required to meet with the instructor to schedule lessons. Prerequisite: Consent of instructor. Course fee: \$20.00 per course.

MUSIC ENSEMBLE (MUEN)

MUEN 1120 *Symphonic Wind Ensemble (lower division)*. One semester hour.

MUEN 3120 *Symphonic Wind Ensemble (upper division)*. One semester hour.

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. May be repeated for credit. Prerequisite: Consent of instructor. Course fee: \$30.

MUEN 1130 *Chorale (lower division)*. One semester hour.

MUEN 3130 *Chorale (upper division)*. One semester hour.

The above courses provide 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. Prerequisite: Consent of instructor. Course fee: \$30.

MUEN 1133 *Guitar Ensemble (lower division)*. One semester hour.

MUEN 3133 *Guitar Ensemble (upper division)*. One semester hour.

These courses require 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. Prerequisite: Consent of instructor. Course fee: \$30.

MUEN 1137 – *Marching /Concert Band (lower division)*. One Semester hour.

MUEN 3137 – *Marching /Concert Band (upper division)*. One Semester hour.

The above courses provide experience in marching / concert band for students of all experience levels, focusing on techniques unique to open air performance, drill practice and exploration of the repertoire for this broad-appeal form. The “Fighting Dust Devil Marching Band” will perform exhibition shows at various locations across the greater Texas Area, as well as formal concerts. Course may be repeated for credit. Prerequisite: Consent of instructor and placement by audition. Course fee: \$50.

MUEN 1140 *Band (lower division)*. One semester hour.

MUEN 3140 *Band (upper division)*. One semester hour.

The above courses are 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 opened to all University students and community members who can qualify by audition. May be repeated for credit. Prerequisite: Consent of instructor. Course fee: \$30.

MUEN 1143 *TAMIU Orchestra (lower division)*. One semester hour.

MUEN 3143 *TAMIU Orchestra (upper division)*. One semester hour.

The above courses are 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. Prerequisite: Consent of instructor. Course fee: \$30.

MUEN 1146 – *Jazz Ensemble (lower division)*. One semester hour.

MUEN 3146 – *Jazz Ensemble (upper division)*. One semester hour.

The above courses develop 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. Course fee: \$30.

MUEN 1150 *Chamber Music (lower division)*. One semester hour.

MUEN 3150 *Chamber Music (upper division)*. One semester hour.

The above courses provide experience in small instrumental ensembles of two or more. Students learn the art of close collaboration in assigned Duets, Trios, Quartets, etc. Weekly coachings. 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. Course fee: \$30.

MUEN 1160 *Mariachi (lower division)*. One semester hour.

MUEN 3160 *Mariachi (upper division)*. One semester hour.

In the above courses 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. Prerequisite: Consent of instructor. Course fee: \$30.

MUSIC (MUSI)

MUSI 1100 *Music and Children*. One semester hour.

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. This course will satisfy the Visual and Performing Arts requirement in the University Core Curriculum for Early Childhood Education majors. (Formerly MUSI 3100)

MUSI 1157, 1158, 2157, 2158, 3157, 3158, 4157, 4158 (MUSI 1157, 1158, 2157, 2158) *Opera Workshop I, II, III, IV, V, VI, VII, VIII*. One semester hour.

The above courses are designed to give students experience in studying, rehearsing, and performing operas, operettas, or excerpts from them. Prerequisite: Consent of instructor. Course fee: \$20.

MUSI 1161 (MUSI 1161) *Diction I English and Italian*. One semester hour.

Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of standard English and Italian speech with an emphasis on resonance, breath control, vocal relaxation, posture, and other salient aspects of proper/healthy vocal production training. Prerequisite: Consent of instructor.

MUSI 1181 (MUSI 1181) *Piano Class I for Music Majors/Minors*. One semester hour.

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.

MUSI 1182 (MUSI 1182) Piano Class II for Music Majors/Minors. One semester hour.

A continuation of piano performance and keyboard skills in a group context. Prerequisite: MUSI 1181 completed the previous semester with a grade of C or better, consent by audition, or consent of instructor.

MUSI 1183 Piano Class I for Non-music Majors. One semester hour.

An introduction to piano performance in a group context. Open to all University students who have no experience in piano.

MUSI 1184 Piano Class II for Non-music Majors. One semester hour.

A continuation of piano performance and keyboard skills in a group context. Prerequisite: MUSI 1183 completed the previous semester with a grade of C or better, consent by audition or consent of instructor.

MUSI 1211 (MUSI 1211) Music Theory I. Two semester hours.

An introduction to the elements of music; notation, scales, keys, intervals, chords, voice leading in four voices, and harmonic progression. Prerequisite: Current enrollment in or completion of MUSI 1216.

MUSI 1212 (MUSI 1212) Music Theory II. Two semester hours.

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 repertoires from those styles. Prerequisites: Completion of MUSI 1211 with a grade of "C" or better, completion of MUSI 1216 or consent of instructor, current enrollment in or completion of MUSI 1217.

MUSI 1216 (MUSI 1216) Aural Training I. Two semester hours.

An introduction to aural training through sight-singing, dictation, and keyboard exercises reinforcing theoretical concepts learned in MUSI 1211. Prerequisite: Current enrollment in or completion of MUSI 1211.

MUSI 1217 (MUSI 1217) Aural Training II. Two semester hours.

A continuation of aural training through sight-singing, dictation, and keyboard exercises reinforcing theoretical concepts learned in MUSI 1212. Prerequisites: Completion of MUSI 1216 with a grade of "C" or better, completion of MUSI 1211 or consent of instructor, current enrollment in or completion of MUSI 1212.

MUSI 1263 (MUSI 1263) Improvisation. Two semester hours.

An introductory level course on the concept of improvisation in all music, including Baroque, Jazz, and as it applies to music education.

MUSI 1301 (MUSI 1301) Music Fundamentals. Three semester hours.

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.

MUSI 1302 Computer/Electronic Music. Three semester hours.

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 (MUSI 1306) Music Appreciation. Three semester hours.

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.

MUSI 1307 (MUSI 1307) Music Literature and Elements of Musical Style. Three semester hours.

For music majors, an overview of musical styles by periods demonstrated through listening and studying scores.

MUSI 1310 American Popular Music. Three semester hours.

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 such as pop, rock, jazz, ragtime, folk, ethnic, and fusion in the twentieth century.

MUSI 2160 (MUSI 2160) *Diction II German.* One semester hour.

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. Prerequisite: Consent of instructor. (Formerly MUSI 1162)

MUSI 2161 (MUSI 2161) *Diction III French.* One semester hour.

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. Prerequisite: Consent of instructor.

MUSI 2181 (MUSI 2181) *Piano Class III for Music Majors/Minors.* One semester hour.

A continuation of piano performance and keyboard skills in a group context. Prerequisite: MUSI 1182 completed the previous semester with a grade of C or better, consent by audition, or consent of instructor.

MUSI 2211 (MUSI 2211) *Music Theory III.* Two semester hours.

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 1217 or consent of instructor; current enrollment or completion of MUSI 2216.

MUSI 2212 (MUSI 2212) *Music Theory IV.* Two semester hours.

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 2216 (MUSI 2216) *Aural Training III.* Two semester hours.

A continuation of MUSI 1216 and 1217, 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 1217 with a grade of "C" or better, completion of MUSI 1212 or consent of instructor, current enrollment in or completion of MUSI 2211.

MUSI 2217 (MUSI 2217) *Aural Training IV.* Two semester hours.

A continuation of MUSI 2216, this is a companion course to 2212. It is designed to further the understanding of Twentieth Century harmony through related aural exercises, dictation and sight singing. Prerequisites: Completion of MUSI 2216 with a grade of "C" or better, completion of MUSI 2211 or consent of instructor, current enrollment in or completion of MUSI 2212.

MUSI 3183 *Accompanying.* One semester hour.

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 3227 - *Marching Band Class.* Two semester hours

A course which introduces the basic principles of a marching band including marching styles, show planning, charting methods, training and use of auxiliary units. script writing, arranging and parade marching. Prerequisite: Upper level standing in music or consent of instructor.

MUSI 3233 *Elementary Music Class.* Two semester hours.

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. Prerequisite: Upper level standing in music major/minor or consent of instructor.

MUSI 3235 *Guitar Class.* Two semester hours.

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. Prerequisite: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3253 *Basic Conducting*. Two semester hours.

Including beginning score study and some musical terms, this course is designed to give students basic baton technique and ensemble control. Prerequisite: MUSI 1211 and MUSI 1212.

MUSI 3254 *Advanced Conducting*. Two semester hours.

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 3266 *Woodwind Class*. Two semester hours.

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. Prerequisite: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3268 *Brass Class*. Two semester hours.

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. Prerequisite: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3283 *Voice Class*. Two semester hours.

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. Prerequisite: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3288 *Percussion Class*. Two semester hours.

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. Prerequisite: Must have upper level standing as a music major/minor or consent of instructor.

MUSI 3289 *String Class*. Two semester hours.

A course which introduces the basic techniques of playing all string instruments. Prerequisite: Must be a declared music major/minor or consent of instructor.

MUSI 3300 *Music History I*. Three semester hours.

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. Prerequisite: successful completion of music theory sequence (MUSI 2211) or consent of instructor.

MUSI 3301 *Music History II*. Three semester hours.

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. Prerequisite: successful completion of music theory sequence (MUSI 2211) or consent of instructor.

MUSI 3305 *Music and Culture*. Three semester hours.

An overview of music in various world cultures. Explores musical elements, form, design and the relationship music to other areas of cultural and historical development around the world. Live and recorded performances included. For music majors and minors. Prerequisite: Completion of MUSI 1306 or MUSI 1307.

MUSI 3307 *The Operatic Tradition*. Three semester hours.

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. Prerequisite: MUSI 1307 or consent of instructor.

MUSI 3320 *Music Materials and Methods*. Three semester hours.

This course is a survey of the literature and resources available to future music educators, with specific study of the diverse theoretical methodologies for music education including Orff, Kodaly and Suzuki. This course is intended to support

student teachers in their professional development. Prerequisite: Must be a declared music major/minor with upper level standing, or consent of instructor.

MUSI 3346 *Form and Analysis*. Three semester hours.

Studying musical elements and their function in various styles and forms. Prerequisite: Completion of MUSI 2211 with a grade of "C" or better.

MUSI 3347 *Counterpoint*. Three semester hours.

Eighteen Century contrapuntal style studied through analysis and writing. Prerequisites: Completion of MUSI 2211 with a grade of "C" or better.

MUSI 4150 *Problems in Music Studies*. One semester hour.

Individual projects to be completed under faculty supervision. The equivalent of one class hour a week for one semester. May be repeated for credit. Prerequisite: Upper-division standing and consent of instructor and the department chair.

MUSI 4250 *Problems in Music Studies*. Two semester hours.

Individual projects to be completed under faculty supervision. The equivalent of two class hours a week for one semester. May be repeated for credit. Prerequisite: Upper-division standing and consent of instructor and the department chair.

MUSI 4257 *Choral Ensemble Literature and Techniques*. Two semester hours.

A study of the literature, materials, and management techniques required for choral ensembles in secondary schools. Prerequisite: Must be a declared music major/minor with upper level standing, or consent of instructor.

MUSI 4258 *Band Ensemble Literature and Techniques*. Two semester hours.

A study of the literature, materials, and management techniques required for woodwind and brass (band) ensembles in secondary schools. This course will address the marching band as an ensemble. Prerequisite: Must be a declared music major/minor with upper level standing, or consent of instructor.

MUSI 4259 *Orchestral Ensemble Literature and Techniques*. Two semester hours.

A study of the literature, materials, and management techniques required for orchestral ensembles in secondary schools, including both string orchestras and full symphony orchestras. Prerequisite: Must be a declared music major/minor with upper level standing, or consent of instructor.

MUSI 4301 *Special Topics in Music Literature*. Three semester hours.

Advanced studies in music literature. Topic will vary at each offering. Offered every other year. Prerequisite: MUSI 3300 or 3301 or consent of instructor. May be repeated when topics vary.

MUSI 4346 *Score Arranging*. Three semester hours.

Practical experience and problems in scoring for both instrumental and vocal ensembles. Prerequisites: Completion of MUSI 2211 with a grade of "C" or better.

MUSI 4350 *Problems in Music Studies*. Three semester hours.

Individual projects to be completed under faculty supervision. The equivalent of three class hours a week for one semester. May be repeated for credit. Prerequisite: Upper-division standing and consent of instructor and the department chair.

NATURAL SCIENCE (NSCI)

NSCI 3301 *Current Topics in Science*. Three semester hours.

A survey of the fields of life science, earth science, and physical science. For preparation of students seeking certification in education (K-8). Prerequisite: Junior standing and BIOL 1370/1170, EPSC 1370/1170, PHYS 1370/1170.

PUBLIC ADMINISTRATION (PADM)

PADM 5310 *Managing Information in the Public Sector*. Three semester hours.

Focuses on the way information is managed and how it should be managed in public sector organizations. Examines how innovation in information technology impact decision-making and implementation. Explores such current issues of e-government, e-voting, privacy, acquisition, security and GIS applications in the public sector. Course focuses on special issues in the management of information.

PADM 5332 *Program Evaluation*. Three semester hours.

This class is designed to introduce students to the major concepts, approaches, methods, theories, and the processes in the evaluation field. In this course students will learn the primary techniques of evaluation such as cost-benefit analysis, outcome/performance measurement, and cost-effectiveness analysis. Prerequisites: Graduate standing and PSCI 5301 and PADM 5375 or permission of instructor.

PADM 5334 *Administrative Law*. Three semester hours.

This class provides an in-depth study of current law regarding the responsibilities and liabilities of public officials. Includes current personnel law, government liability, fiscal responsibility, and collective bargaining issues. Prerequisites: Graduate standing and PADM 5375 or permission of instructor.

PADM 5342 *Organization Theory*. Three semester hours.

An overview of the theories of organization important to Public Administrators beginning with the Weberian bureaucracy and including modifications of systems theories, contingency theory, matrix organizations and concepts of organizational culture. Prerequisites: Graduate standing and PADM 5375 or permission of instructor.

PADM 5344 *Communication for Public Administrators*. Three semester hours.

The study of communication challenges and strategies for public administrations. Compare communication demands placed on public administrations versus private corporations. Apply theories of public discourse and public service to specific cases.

PADM 5362 *Administrative Ethics*. Three semester hours.

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. Prerequisites: Graduate standing and PADM 5375 or concurrently with PADM 5375.

PADM 5375 *Survey of Public Administration and Public Affairs*. Three semester hours.

Principles and practices of management in public sector 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 HLTH 5375)

PADM 5378 *Human Resources Management in Public Administration*. Three semester hours.

Principles and practices of personnel administration in public bureaucracies are analyzed as these principles bear on personnel motivation, retention, bureaucratic subculture, organizational change, and political climate. Prerequisite: PADM 5375 or concurrently with PADM 5375.

PADM 5380 *Principles and Politics of Public Budgeting*. Three semester hours.

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. Prerequisite: PADM 5375.

PADM 5382 *Public Policy Development and Implementation*. Three semester hours.

Focuses on the public process in the United States, including agenda setting, policy formulation, legitimation, budget-making, implementation, evaluation and termination. Prerequisite: PADM 5375 or concurrently with PADM 5375.

PADM 5390 *Special Topics in Public Administration*. Three semester hours. (FL)

Special topics relevant to public administration. May be repeated for credit when topic changes.

PADM 5395 *Project*. Three semester hours.

Individual supervision of a project paper, approved by student's advisor, to be undertaken at or near the end of student's classwork. Prerequisite: Permission of instructor.

PADM 5396 *Internship*. Three semester hours.

A directed internship in a public organization appropriate to the student's career objectives. Prerequisite: Permission of instructor. Evaluation of performance in this course is on CR/NC basis.

PHILOSOPHY (PHIL)

PHIL 1301 (PHIL 1301) *Introduction to Philosophy*. Three semester hours. (FL)

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.

PHIL 2301 (PHIL 2303) *Introduction to Logic*. Three semester hours.

A study of the methods and principles of correct reasoning, both deductive and inductive; fallacies, and arguments together with analysis of the proposition.

PHIL 2306 (PHIL 2306) *Introduction to Ethics*. Three semester hours. (FL)

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.

PHIL 3302 *Philosophy of Law*. Three semester hours.

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.

PHIL 3304 *Contemporary Moral Issues*. Three semester hours.

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. Prerequisite: PHIL 2306.

PHIL 3306 *Existentialism*. Three semester hours.

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. (Cross listed with ENGL 3306)

PHIL 3311 *Great Books of the Western Tradition-Classical Period to Renaissance*. Three semester hours. (FL)

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. Classics such as Plato's Republic, Plutarch's Lives, Marcus Aurelius' Meditations, Dante's Divine Comedy may be read. May be repeated for credit when topic changes. (Cross-listed with ENGL 3311, HIST 3311 and PSCI 3311)

PHIL 3312 *Great Books of the Western Tradition - Renaissance to Present*. Three semester hours. (SP)

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. Classics such as de Tocqueville's Democracy in America, Wollstonecraft's A Vindication of the Rights of Women, Nietzsche's The Uses and Abuses of History, Thoreau's "Civil Disobedience" may be read. (Cross listed with ENGL 3312, HIST 3312 and PSCI 3312)

PHIL 4302 *Philosophy in Literature*. Three semester hours. (FL)

Formulation and critical analysis of philosophical ideas in selected literary works. (Cross-listed with ENGL 4302)

PHYSICS (PHYS)

PHYS 1101 (PHYS 1101) *General Physics I Laboratory*. One semester hour. (FL)

Laboratory course to accompany PHYS 1301. Laboratory exercises reinforce PHYS 1301 lecture material and place importance on scientific communication and collaboration as well as measurement methods, uncertainty and basic error analysis. Must be taken concurrently with PHYS 1301. Carries no credit towards a major or minor in physics. Lab fee: \$30.

PHYS 1102 (PHYS 1102) *General Physics II Laboratory*. One semester hour. (SP)

Laboratory course to accompany PHYS 1302. Laboratory exercises reinforce PHYS 1302 lecture material and place importance on scientific communication & collaboration as well as measurement methods, uncertainty and basic error

analysis. Must be taken concurrently with PHYS 1302. Prerequisites: PHYS 1301/PHYS 1101. Carries no credit toward a major or minor in physics. Lab fee: \$30.

PHYS 1170 *Survey of Physical Science Laboratory*. One semester hour. (FL/SP/SS)

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. Lab fee: \$30.

PHYS 1301 (PHYS 1301) *General Physics I*. Three semester hours. (FL)

A non-calculus-based treatment of the fundamentals of classical mechanics, sound, fluid mechanics and heat. Topics include one and two dimensional motion, forces and Newton's Laws, momentum conservation, energy conservation, rotational dynamics, angular momentum, waves, simple harmonic motion, kinetic theory, calorimetry and thermodynamics. Designed to fulfill laboratory science core curriculum requirements. Prerequisite: MATH 1316 or equivalent. Must be taken concurrently with PHYS 1101. Carries no credit toward a major or minor in physics.

PHYS 1302 (PHYS 1302) *General Physics II*. Three semester hours. (SP)

Continuation of PHYS 1301. A non-calculus-based treatment of the fundamentals of electricity and magnetism, sound, light and modern physics. Topics include electrostatics, magnetostatics and magnetic materials, electromagnetic waves, geometric optics, physical optics, quantum mechanics, nuclear physics and relativity theory. Designed to fulfill laboratory science core curriculum requirements. Must be taken concurrently with PHYS 1102. Prerequisites: PHYS 1301/PHYS 1101. Carries no credit toward a major or minor in physics.

PHYS 1370 (PHYS 1315) *Survey of Physical Science*. Three semester hours. (FL/SP/SS)

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.

PHYS 2125 (PHYS 2125) *University Physics I Laboratory*. One semester hour. (FL)

Laboratory course to accompany PHYS 2325. Laboratory exercises reinforce PHYS 2325 lecture material and place importance on scientific communication & collaboration as well as measurement methods, uncertainty and basic error analysis. Must be taken concurrently with PHYS 2325. Lab fee: \$30.

PHYS 2126 (PHYS 2126) *University Physics II Laboratory*. One semester hour. (SP)

Laboratory course to accompany PHYS 2326. Laboratory exercises reinforce PHYS 2326 lecture material and place importance on scientific communication and collaboration as well as measurement methods, uncertainty and basic error analysis. Must be taken concurrently with PHYS 2326. Lab fee: \$30.

PHYS 2325 (PHYS 2325) *University Physics I*. Three semester hours. (FL)

A calculus-based treatment of the fundamentals of classical mechanics, sound, fluid mechanics and heat. Topics include one and two dimensional motion, forces and Newton's Laws, momentum conservation, energy conservation, rotational dynamics, angular momentum, waves, simple harmonic motion, kinetic theory, calorimetry and thermodynamics. Prerequisite: MATH 2413 or equivalent. Must be taken concurrently with PHYS 2125.

PHYS 2326 (PHYS 2326) *University Physics II*. Three semester hours. (SP)

Continuation of PHYS 2325. A calculus-based treatment of the fundamentals of electricity and magnetism, sound, light and modern physics. Topics include electrostatics, magnetostatics and magnetic materials, electromagnetic waves, geometric optics, physical optics, quantum mechanics, nuclear physics and relativity theory. Must be taken concurrently with PHYS 2126. Prerequisites: MATH 2414 or equivalent (or concurrent enrollment therein) and PHYS 2325/PHYS 2125.

PHYS 3305 *Optics and Wave Theory*. Three semester hours.

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*. Three semester hours.

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; Corequisite: MATH 2415.

PHYS 3315 *Classical Mechanics*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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 4199-4399 *Special Topics in Physics*. One-three semester hours.

Selected topics in physics are covered, depending on student interest. Credit will be given more than once if the topic varies. Prerequisite: Permission of instructor.

PHYS 4305 *Quantum Mechanics*. Three semester hours.

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*. Three semester hours.

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 Physics*. Three semester hours.

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.

PORTUGUESE (PORT)

PORT 1311 (PORT 1311) *Beginning Portuguese I*. Three semester hours. (FL/SP)

In this course, students will acquire fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures and culture.

PORT 1312 (PORT 1312) *Beginning Portuguese II*. Three semester hours. (SP)

A continuation of PORT 1311, students will acquire additional skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. Prerequisite: PORT 1311 or consent of instructor.

PORT 1620 *Beginning Portuguese*. Six semester hours.

An intensive oral and written introduction to Portuguese; students will acquire fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. (Cross-listed with PORT 1311 and PORT 1312)

PORT 3301 *Intensive Portuguese*. Three semester hours.

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. Prerequisite: Twelve hours of Spanish or another Romance Language or consent of the instructor.

PORT 3324 *Luso-Brazilian Literature and Culture*. Three semester hours.

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. Prerequisite: PORT 3301.

POLITICAL SCIENCE (PSCI)

PSCI 2304 (GOVT 2304) *Introduction to Political Science*. Three semester hours.

An introductory survey of concepts, theories, and principles of political science. The political dynamics and institutions of several leading nations of today; the competing philosophies of the twentieth century (democracy, communism and fascism). This course cannot be used to satisfy the state required government courses.

PSCI 2305 (GOVT 2305) *American National Government*. Three semester hours.

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. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

PSCI 2420 *The American Way*. Three semester hours.

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.

PSCI 2306 (GOVT 2306) *American State Government*. Three semester hours.

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. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

PSCI 3301 *Research Methods in the Social Sciences*. Three semester hours.

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. (Cross-listed with SOCI 3305)

PSCI 3302 *Urban Political Theory*. Three semester hours.

This course is designed as an introduction to foundational social theory with a specific orientation toward urban studies. We will explore the early identification of the urban phenomenon with the emergence of modernity, pertinent theoretical and practical responses to the industrial city, the city's role in capitalist accumulation and social conflict, the problem of sustaining urban vitality and community, and new functions of culture and representation in modern cities. (Cross-listed with URBS 3302)

PSCI 3305 *Government and Politics of Europe*. Three semester hours.

The structures, function, and processes of selected European political systems. Prerequisite: Six hours of political science.

PSCI 3308 *Latin American Political Systems*. Three semester hours.

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 Comparative Politics*. Three semester hours.

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 3311 *Great Books of the Western Tradition-Classical Period to Renaissance*. Three semester hours. (FL)

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. Classics such as Plato's Republic, Plutarch's Lives, Marcus Aurelius' Meditations, Dante's Divine Comedy may be read. May be repeated for credit when topic changes. (Cross-listed with ENGL 3311, HIST 3311 and PHIL 3311)

PSCI 3312 *Great Books of the Western Tradition - Renaissance to Present*. Three semester hours. (SP)

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. Classics such as de Tocqueville's Democracy in America, Wollstonecraft's A Vindication of the Rights of Women, Nietzsche's The Uses and Abuses of History, Thoreau's "Civil Disobedience" may be read. (Cross-listed with ENGL 3312, HIST 3312 and PHIL 3312)

PSCI 3313 *Classical and Medieval Political Philosophy*. Three semester hours.

A survey and analysis of political thought, theory, and political philosophy from Greek antiquity to the present. Prerequisite: Six hours of political science. (Formerly PSCI 3311)

PSCI 3314 *Modern Political Philosophy*. Three semester hours.

Fundamentals of political thought, theory, and philosophy since Machiavelli; major contemporary political theories and movements. Prerequisite: Six hours of political science. (Formerly PSCI 3312)

PSCI 3320 *Congress and the Presidency*. Three semester hours.

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 3322 *The Politics of Class and Gender*. Three semester hours.

This class focuses on the political and economic power of women as a function of the dynamics of contemporary U.S. culture. Using various socioeconomic models, the interactive effects of gender, class, and ethnicity will be explored. Consideration will be given to such issues as women's workplace and educational opportunities, the feminization of poverty, women's health policy, and other contemporary concerns.

PSCI 3325 *Grassroots and Community Empowerment*. Three semester hours.

This course in applied, practical politics emphasizes how to affect the political process directly. The course evaluates grassroots organizations, citizen empowerment, community activism, social movements, political parties, interest groups, and elections in a democratic society. Moreover, we will study the critical elements of effective electoral and issue campaigns.

PSCI 3340 *International Law and Organization*. Three semester hours.

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 *Introduction to Public Administration*. Three semester hours.

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 *Introduction to the Analysis of Public Policy*. Three semester hours.

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*. Three semester hours.

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 4301 *Introduction to Urban Planning*. Three semester hours.

This course introduces the student 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. Prerequisite: Junior standing or consent of instructor. (Cross-listed with GEOG 4301 and URBS 4301)

PSCI 4309 *Mexican Politics and Government*. Three semester hours.

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.

PSCI 4311 *Constitutional Law*. Three semester hours.

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. Prerequisite: Six hours of political science.

PSCI 4314 *Issues in U.S. Government*. Three semester hours.

Basic issues and cases of U.S. Government are analyzed in order to better understand the workings of our political system. The Constitution, political parties and interest groups, public opinion and the media, civil rights and the workings of the federal system and the main branches of government are also evaluated. Prerequisite: Six hours of political science.

PSCI 4315 *Issues in State and Local Governments*. Three semester hours.

This course is a study, through readings and case studies, of the issues and problems particular to government at the state and local level.

PSCI 4320 *The Political System of the United States of America*. Three semester hours.

An intensive analysis of the United States of America's political system in terms of elitism and democratic behavior of elites and masses. Prerequisite: Six hours of political science.

PSCI 4321 *Special Studies in Political Science*. Three semester hours.

An intensive examination of special topics of study in political science. May be repeated once when topic changes. Prerequisite: Six hours of political science.

PSCI 4326 *The Judicial Process*. Three semester hours.

A study of the American judicial system with emphasis upon its structure, function, and process. Prerequisite: Six hours of political science. Interchangeable with CRIJ 1306 with permission of CRIJ faculty advisor.

PSCI 4335 *International Politics*. Three semester hours.

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. Prerequisite: Six hours of political science.

PSCI 4340 *American Foreign Policy*. Three semester hours.

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. (Cross-listed with HIST 3380)

PSCI 4345 *Urban Politics*. Three semester hours.

Forms and organization of city government. A study of urban political processes and major public problems confronting urban areas. Prerequisite: Six hours of political science. (Cross-listed with URBS 4345)

PSCI 4350 *Ethnic Politics*. Three semester hours.

A study of ethnic interest groups and the varieties of American ethnic politics. Emphasis on ethnic groups in Texas. Prerequisite: Six hours of political science.

PSCI 4351 *Senior Seminar in Political Science*. Three semester hours.

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: Senior standing and PSCI 3301, 3310, 3313, 3320 and 4335.

PSCI 5301 *Advanced Methods of Social Research*. Three semester hours.

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. Prerequisite: PSCI 3301, SOCI 3305, or similar undergraduate coursework in social scientific research methods, or permission of instructor.

PSCI 5303 *American Political Institutions*. Three semester hours.

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*. Three semester hours.

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 5330 *Seminar in Political Philosophy*. Three semester hours.

Intensive investigation in selected topics of concern to students of political science.

PSCI 5340 *Comparative Politics*. Three semester hours.

An in-depth comparative analysis of the political systems of the countries of Western Europe, Latin America, Asia and the Middle East.

PSCI 5345 *Government and Politics in the Middle East*. Three semester hours.

An intensive investigation of the social, economic, and political conditions of Islamic, Arab, and non-Arab countries of the Middle East. Topics include basic tenets of Islam, political culture, formation of nation-states, political systems (monarchies and republics), modernization, and the role of the Middle East in international politics.

PSCI 5360 *American Foreign Policy*. Three semester hours.

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 *Seminar in International Politics*. Three semester hours.

Selected problems and concepts related to the theory and practice of international politics. Subject may vary from semester to semester.

PSCI 5372 *Seminar in International Law and Organization*. Three semester hours.

An examination of the historical development of the ideas and rules of international law and organization.

PSCI 5373 *Advanced Seminar in Latin-American Politics*. Three semester hours.

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*. Three semester hours.

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 Political Science*. Three semester hours.

Opportunity for graduate students to undertake independent study or research in political science. Prior consent of faculty members with whom students wish to work. Subject may vary from semester to semester.

PSCI 5398 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Graduate standing and permission of major instructor/advisor. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

PSCI 5399 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Graduate standing and permission of major instructor/advisor. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

PSYCHOLOGY (PSYC)

PSYC 2117 *Basic Statistics for Psychology Laboratory*. One semester hour.

This laboratory course aims to reinforce and extend knowledge and applications of statistics to problem solving using exploratory data analysis utilizing computer statistical software and spreadsheets. The course seeks to bridge the gap between basic statistics and advanced statistics. Students in this class have the opportunity to master widely used computer statistical software. Co requisite: PSYC 2317.

PSYC 2301 (PSYC 2301) *Introduction to Psychology*. Three semester hours.

Surveys the major principles of psychology. Introduces the history of psychology, human development, personality, abnormal behavior, social psychology, feelings and emotions, research methodologies, experimental psychology, psychophysiology, learning and memory, altered states of awareness, sleep and dreams, and industrial and organizational psychology. Students will be required to participate in the psychological experiment participant pool as part of this class, or may opt to complete an additional paper assignment in lieu of research participation. See Texas Success Initiative in the section entitled UNIVERSITY COLLEGE.

PSYC 2314 (PSYC 2314) *Lifespan Growth and Development*. Three semester hours.

A study of the relationship of the physical, emotional, social and mental factors of growth and development of children and throughout the lifespan.

PSYC 2317 (PSYC 2317) *Basic Statistics for Psychology*. Three semester hours.

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. Prerequisite: PSYC 2301 or permission of instructor. Co requisite: PSYC 2117.

PSYC 3102 *Research Methods in Behavioral Sciences Laboratory*. One semester hour.

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. Corequisite: Concurrent enrollment in PSYC 3302. Course fee: \$30.

PSYC 3301 *Social Psychology*. Three semester hours.

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. Prerequisite: PSYC 2301.

PSYC 3302 *Research Methods in Psychology*. Three semester hours.

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. Prerequisite: PSYC 2317 (or a statistics course) with a grade of "C" or better and concurrent enrollment in PSYC 3102 or permission of instructor.

PSYC 3303 *Development of the Young Child*. Three semester hours.

This course explores early childhood (birth through 6) development, focusing on cognition and social-emotional characteristics. Emphasis will be placed on major developmental theories, methods of studying child development, and the implications of children's characteristics for teaching and daycare. Prerequisites: PSYC 2301 & PSYC 2312 or permission of the instructor.

PSYC 3304 *Learning and Memory*. Three semester hours.

Familiarizes the student with the general principles of learning and memory by examining various learning theories, memory research, perception, information processing, and problem-solving. Prerequisites: PSYC 2301 and PSYC 3302.

PSYC 3307 *Development Psychology: Young Adult to Old Age*. Three semester hours.

Examines the physical, emotional, social, and cognitive factors in the growth and development of normal adults from young adulthood through old age.

PSYC 3310 *Biological Psychology*. Three semester hours.

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. Prerequisites: PSYC 2301, or consent of instructor.

PSYC 3311 *Forensic Psychology*. Three semester hours.

Examines psychology of criminal offenders. Familiarizes students with psychological procedures used in evaluation of criminal defendants, offenders and psychological profiling of criminals. Considers psychological research on crimes ranging from prostitution and violent sex crime to serial murder. Prerequisite: PSYC 2301 or SOCI 1301 or CRIJ 1301.

PSYC 3315 *Psychology of Aging*. Three semester hours.

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. Prerequisite: PSYC 2301.

PSYC 4199-4399 *Undergraduate Research*. One-three semester hours.

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. Prerequisite: PSYC 3302 or Permission of instructor.

PSYC 4301 *Psychology of Personality*. Three semester hours.

Introduces personality theory and the important factors in the development of personality from birth to maturity. Prerequisite: Twelve hours of psychology. May be taken for graduate credit.

PSYC 4303 *Abnormal Psychology*. Three semester hours.

Introduces symptoms, descriptions, etiology, and treatment of major mental disorders such as mood, anxiety, substance-related, psychotic, childhood, eating, and personality disorders. Prerequisite: PSYC 2301 or SOCI 1301 or CRIJ 1301. May be taken for graduate credit.

PSYC 4305 *Psychology of Language*. Three semester hours.

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. Prerequisite: PSYC 2301, or permission of instructor.

PSYC 4306 *Language Development*. Three semester hours.

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. Prerequisite: PSYC 2301, or permission of instructor. (Cross listed with CSDO 4333)

PSYC 4307 *The Psychology of Bilingualism*. Three semester hours.

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. Prerequisite: PSYC 2301.

PSYC 4308 *Theory and Principles of Psychological Testing*. Three semester hours.

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. Prerequisite: PSYC 2317. Course fee: \$75.00. May be taken for graduate credit.

PSYC 4309 *Foundations of Language*. Three semester hours.

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. Prerequisite: PSYC 2301, or permission of instructor.

PSYC 4310 *Psychology of Human Sexuality*. Three semester hours.

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 4314 *Health Psychology*. Three semester hours.

Examines the interaction between psychological factors and physical well-being. Topics to be studied include personality traits, emotional styles, perceptions and attitudes, coping strategies, social networks, and biological vulnerability as they relate to the connection between environmental stressors, immune system responses, and physical disease. May be taken for graduate credit.

PSYC 4315 *Alcohol, Drugs, and Human Behavior*. Three semester hours.

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 4318 *History and Systems of Psychology*. Three semester hours.

Examines the nature of psychology from an historical perspective, emphasizing trends of psychological thought, key concepts in various branches of psychology and their relationship in contemporary systems and the development of psychology as a discipline with leaders, schools, and issues. Prerequisite: PSYC 2301, or permission of instructor. May be taken for graduate credit.

PSYC 4321 *Senior Seminar*. Three Semester Hours

Students in this course will be exposed to general issues in the study of psychology to demonstrate general psychological knowledge. Students in this class are expected to write a major area research paper. Additionally, students will be exposed to specific areas in psychology not covered elsewhere in the curriculum that are consistent with the expertise of the faculty. Specific topics will change each semester, but may include: Ethics, media violence, psychology of war, advanced statistics, etc. Prerequisites: Senior year psychology major and PSYC 2312, PSYC 3302, PSYC 4301, and PSYC 4325.

PSYC 4325 *Cognitive Psychology*. Three semester hours.

Focuses on cognitive psychology, language development, concept formation, problem solving, information processing, split-brain research, neuropsychology, memory, perception, and cognitive clusters. Prerequisite: PSYC 2301 or permission of instructor.

PSYC 4335 *Issues in Psychology*. Three semester hours.

Examines current or special topics in the field of psychology. May be repeated when topics change.

PSYC 5301 *Introduction to Counseling and Psychotherapy*. Three semester hours. (FL)

Provides introduction and practice in the basic intervention strategies and techniques used in counseling and the human service professions. Concurrent enrollment in PSYC 5303 is required. Prerequisites: PSYC 4301 and PSYC 4303 or

permission of instructor. Enrollment in this course is restricted to those TAMIU students who are currently matriculating through either the M.A. Counseling Psychology Program, M. S. in Education (with School Counseling Certification), or completing the School Counseling Certificate Program.

PSYC 5302 *Survey of Social Psychology*. Three semester hours.

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. Prerequisite: Graduate standing, or permission of the instructor.

PSYC 5303 *Theories of Counseling and Psychotherapy*. Three semester hours.

Familiarizes the student with the principles and practices of a variety of counseling and psychotherapy theoretical models. Concurrent enrollment in PSYC 5301 is required. Prerequisites: PSYC 4301 and PSYC 4303 or permission of instructor. Enrollment in this course is restricted to those TAMIU students who are currently matriculating through either the M.A. Counseling Psychology Program, M. S. in Education (with School Counseling Certification), or completing the School Counseling Certificate.

PSYC 5304 *Survey of Personality and Abnormal Psychology*. Three semester hours.

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. Prerequisite: Graduate standing, or permission of the instructor.

PSYC 5305 *Human Development Across the Life-Span*. Three semester hours. (SP/SS - Even)

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. Prerequisite: Graduate standing.

PSYC 5307 *Psychopathology*. Three semester hours. (SP)

Provides current clinical descriptions, research, and theories of human psychopathology. Emphasis on disorders of infancy, childhood, adolescence, and adulthood. Prerequisite: PSYC 4303 or permission of instructor. Enrollment in this course is restricted to those TAMIU students who are currently matriculating through either the M.A. Counseling Psychology Program, M. S. in Education (with School Counseling Certification), or completing the School Counseling Certificate Program.

PSYC 5310 *Ethical, Legal and Professional Issues*. Three semester hours. (SS)

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. Prerequisite: Graduate standing.

PSYC 5312 *Pastoral Counseling*. Three Semester Hours.

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. Prerequisite: PSYC 5301 and PSYC 5303 or permission of the instructor.

PSYC 5315 *Group Counseling and Psychotherapy*. Three semester hours. (SP)

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. Interchangeable with EDCU 5315.

PSYC 5320 *Research Design and Statistics*. Three semester hours. (FL/SP - Odd)

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*. Three semester hours. (FL or SP)

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

either the M.A. in Counseling Psychology program or the M. S. in Education (with School Counseling Certificate) or completing the School Counseling Certificate Program.

PSYC 5325 *Marriage and Family Therapies.* Three semester hours. (FL)

Reviews theory and practice of couples and family therapies with emphasis on family systems, communications in intimate relationships, and specific couples, single parents, and family problems. Prerequisites: PSYC 5301 and PSYC 5303 or permission of instructor.

PSYC 5327 *Child and Adolescent Psychotherapy.* Three semester hours. (SP)

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. Prerequisite: PSYC 5301 and PSYC 5303 or permission of instructor.

PSYC 5329 *Problems in Mental Health and Older Adults.* Three semester hours. (SP)

Explores the characteristics of healthy aging and various stereotypes of older adults, investigation of specific mental health problems of aging, with emphasis on Alzheimer's and related syndromes and depression, and the interplay of psychosocial-physical factors in the mental health of older adults. Prerequisite: Graduate standing.

PSYC 5331 *Appraisal Techniques.* Three semester hours. (FL)

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. Prerequisites: PSYC 4308, PSYC 5301, PSYC 5303 and PSYC 5307. Enrollment in this course is restricted to students who are currently matriculated through either the M.A. Counseling Psychology program or completing the Counseling Certificate program in Education. Course fee: \$80.00.

PSYC 5135-5335 *Issues in Psychology.* One-three semester hours.

Examines current or special topics in the field of psychology. May be repeated when topics change.

PSYC 5336 *Multicultural Issues in Counseling.* Three semester hours. (FL)

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. Prerequisite: Graduate standing.

PSYC 5337 *Community Mental Health for Diverse Populations.* Three semester hours.

Addresses prevention, crisis, advocacy and intervention strategies in diverse communities. Introduces educational approaches to strengthen personal, systemic and societal resiliency. Presents methods to sensitively conduct community needs assessment within diverse populations. Prerequisite: Graduate Standing.

PSYC 5338 *Alcohol/Drug Counseling: Theory and Practice.* Three semester hours. (FL)

Reviews diagnostic and assessment practices, goal setting, treatment planning, multicultural, legal, and ethical issues in the field of alcohol/drug abuse counseling. A systematic approach to treatment will be emphasized along with various theoretical approaches. Discussion of special treatment needs of alcohol/drug dependent persons, family members, youth and adult children of alcoholics, and use of support systems, including the 12-step programs. Prerequisite: PSYC 4315 or permission of instructor.

PSYC 5340 *Career Counseling and Development.* Three semester hours. (SS)

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. Prerequisite: Graduate standing.

PSYC 5344 *Forensic Psychology.* Three semester hours.

Examines the behavior, motivations, testing and rehabilitation of criminal offenders from a psychological perspective. Presents an overview of the field of forensic psychology, addressing clinical issues as well as leading research in forensic psychology. The psychology of various offender groups ranging from domestic violence perpetrators to rapists to serial murderers will be covered.

PSYC 5346 *Police Psychology*. Three semester hours.

Examines the behavior, motivations, selection and testing of law enforcement personnel from a psychological perspective. Presents an overview of the field addressing clinical and consulting issues as well as research and theory in police psychology. This is a required course for the MS track in police psychology.

PSYC 5350 *Counseling Practicum*. Three semester hours. (FL/SP)

Provides supervised practice in counseling in a departmentally approved facility. Prerequisites: PSYC 5301, PSYC 5303, and PSYC 5315 for all students; PSYC 5307 and PSYC 5310 for Counseling Psychology students. Enrollment in this course is restricted to students who are currently matriculated through either the M.A. Counseling Psychology program, M. S. in Education (with School Counseling Certification), or completing the School Counseling Certificate Program. Evaluation of performance in this course is on CR/NC basis.

PSYC 5352 *Counseling Internship I*. Three semester hours. (FL/SP)

The first in a two-semester sequence in Counseling Internship, provides the first supervised post-practicum experience in a departmentally approved internship training facility. Prerequisite: PSYC 5301, PSYC 5303, PSYC 5307, PSYC 5310, PSYC 5315 and PSYC 5350, or permission of instructor. Enrollment in this course is restricted to students who are currently matriculated through the M.A. Counseling 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 5354, Counseling Internship II.

PSYC 5354 *Counseling Internship II*. Three semester hours. (FL/SP)

The second in a two-semester sequence in Counseling Internship, provides the advanced supervised post-practicum experience in a departmentally approved internship training facility. Prerequisite: PSYC 5301, PSYC 5303, PSYC 5307, PSYC 5310, PSYC 5315, PSYC 5350 and PSYC 5352, or permission of instructor. Enrollment in this course is restricted to students who are currently matriculated through the M.A. Counseling Psychology program. May be repeated with permission of instructor. Evaluation of performance in this course is on CR/NC basis.

PSYC 5361 *Qualitative Research*. Three semester hours.

Surveys major principles of qualitative research in the social sciences including: phenomenology, grounded theory, ethnography, and case study research. Pre-requisite: Graduate standing.

PSYC 5362 *Program Evaluation*. Three semester hours.

Explores the principles and methodologies of program evaluation including philosophical orientations, quantitative methods, qualitative methods, and mixed-methods. Prerequisite: PSYC 5320 and PSYC 5361, or permission of the instructor.

PSYC 5365 *Advanced Statistics*. Three semester hours.

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 both categorical and continuous data from psychological research. Prerequisite: PSYC 5320, or permission of the instructor.

PSYC 5368 *Special Topics in Research Methods*. Three semester hours.

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. Prerequisites: Graduate standing and permission of the instructor. May be repeated when topic changes by permission of the instructor.

PSYC 5370 *Cognitive Science*. Three semester hours.

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. Prerequisite: Graduate standing, or permission of the instructor.

PSYC 5375 *Introduction to Neuropsychology*. Three semester hours.

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. Prerequisite: Graduate standing, or permission of the instructor.

PSYC 5398 Thesis. Three semester hours.

Scheduled by the student in consultation with his/her major professor. Prerequisites: Twenty seven semester hours of the major curriculum including PSYC 5320 and successful completion of *Written Comprehensive*. Approval of the major professor and department chair is also required. Evaluation of performance in this course is on CR/NC basis. If grade of IP is received, student must enroll again for credit.

PSYC 5399 Thesis. Three semester hours.

Scheduled by the student in consultation with his/her major professor. Prerequisite: Twenty-seven hours of the major curriculum including PSYC 5320. Approval of the major professor and department chair is also required. Evaluation of performance in this course is on CR/NC basis. If grade of IP received, student must enroll again for credit.

SOCIOLOGY (SOCD)

SOCI 1301 (SOCI 1301) Introduction to Sociology. Three semester hours.

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.

SOCI 1306 (SOCI 1306) Contemporary Social Problems and Social Policy. Three semester hours.

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.

SOCI 3302 Social Welfare and Human Services. Three semester hours.

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. Three semester hours.

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 3305 Research Methods in the Social Sciences. Three semester hours.

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. (Cross listed with CRIJ 3305 and PSCI 3301)

SOCI 3307 U. S.-Mexico Border Subcultures. Three semester hours.

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. Three semester hours.

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 syncretic 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. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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. Prerequisite: Junior standing.

SOCI 4311 *Marriages and Families*. Three semester hours.

Analysis of the family as an educational and social institution in light of historical relationships and present-day social and economic conditions, including a study of family cohesion, adaptability, satisfaction and conflict. Prerequisite: Junior standing.

SOCI 4317 *Race and Ethnic Relations*. Three semester hours.

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. Prerequisite: Junior standing.

SOCI 4318 *Globalization*. Three semester hours.

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. Prerequisite: Junior standing.

SOCI 4320 *Women in the Criminal Justice System*. Three semester hours.

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. Prerequisite: Junior standing. Interchangeable with CRIJ 4320.

SOCI 4325 *Sociology of Gender Roles*. Three semester hours.

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. Prerequisite: Junior standing. (Cross-listed with WGST 4325)

SOCI 4370 *Medical Sociology*. Three semester hours.

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. Prerequisite: Junior standing.

SOCI 4375 *Special Studies in Sociology*. Three semester hours.

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. Prerequisite: SOCI 1301 or six hours of Sociology.

SOCI 4380 *Senior Proseminar*. Three semester hours.

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. Prerequisite: Senior standing in sociology.

SOCI 4390 *Domestic Violence*. Three semester hours.

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*. Six semester hours.

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 student's advisor. Students receive a certificate upon successful completion of the Internship. Evaluation of performance in this course is on CR/NC basis. Prerequisite: Junior standing.

SOCI 5301 *Contemporary Studies of Social Problems*. Three semester hours.

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. Prerequisite: Graduate standing.

SOCI 5303 *Seminar in Sociological Theory*. Three semester hours.

Study of the process of formulation of theory. In-depth analysis of the work of classical, contemporary, multicultural and postmodern theorists. Prerequisite: Graduate standing.

SOCI 5304 *Racial, Ethnic, Social Class and Gender Inequalities*. Three semester hours.

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. Prerequisite: Graduate Standing.

SOCI 5305 *Management of Human Service Organization*. Three semester hours.

The principles of program implementation in human service organizations; the development of managerial skills necessary for planning, supervising, directing, and monitoring non-profit private or public organizations. Prerequisite: Graduate standing.

SOCI 5306 *Sociology of Education*. Three semester hours.

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. Prerequisite: Graduate standing.

SOCI 5309 *Immigration and Biculturalism*. Three semester hours.

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 Planning*. Three semester hours.

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. Prerequisite: Graduate standing.

SOCI 5321 *Social Inquiry*. Three semester hours.

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.

SOCI 5322 *Advanced Quantitative Methods*. Three semester hours.

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 *Seminar in the Study of Social Change*. Three semester hours.

Overview of social change theories using a macro-level of analysis; includes an examination of various methodological approaches to assess global stratification. Prerequisite: Graduate standing.

SOCI 5398 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisites: Graduate standing and permission of major instructor/advisor. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

SOCI 5399 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisites: Graduate standing and permission of major instructor/advisor. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

SOCIAL STUDIES (SOST)

SOST 4391 *Topics in Social Studies*. Three semester hours. (FL/SP)

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.

SPANISH (SPAN)

SPAN 1311 (SPAN 1311) *Introductory Spanish for Non-Native Speakers I*. Three semester hours plus one hour lab. (FL)

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. Prerequisite: Departmental placement exam.

SPAN 1312 (SPAN 1312) *Introductory Spanish for Non-Native Speakers II*. Three semester hours plus one hour lab. (SP)

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. Prerequisite: SPAN 1311 or equivalent course, or departmental placement exam.

SPAN 1620 *Beginning Spanish (Non-Native Speakers)*. Six semester hours plus one hour lab.

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. Cross-listed with SPAN 1311 and SPAN 1312.

SPAN 2307 *Introduction to Creative Writing*. Three semester hours.

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. Prerequisite: SPAN 2320.

SPAN 2311 (SPAN 2311) *Intermediate Spanish for Non-Native Speakers I*. Three semester hours. (FL)

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. Prerequisite: SPAN 1312 or equivalent course, or departmental placement exam.

SPAN 2312 (SPAN 2312) *Intermediate Spanish for Non-Native Speakers II.* Three semester hours. (SP)

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. Prerequisite: SPAN 2311 or equivalent course, or departmental placement exam.

SPAN 2313 (SPAN 2313) *Spanish for Heritage Language Spanish Speakers I.* Three semester hours. (FL/SS)

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. Prerequisite: Departmental Placement exam.

SPAN 2315 (SPAN 2315) *Spanish for Heritage Language Spanish Speakers II.* Three semester hours.

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. Prerequisite: SPAN 2313 or departmental placement exam.

SPAN 2620 *Intermediate Spanish (Non-Native Speakers).* Six semester hours plus one hour lab.

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. Cross-listed with SPAN 2311 and SPAN 2312.

SPAN 3300 *Spanish Grammar and Composition.* Three semester hours. (FL/SP/SS)

Conducted in Spanish. Required of all Spanish majors and minors, and students of bilingual education or dual language programs. Students will read and comment upon short texts chosen from modern Spanish and Spanish American writers, newspapers, and magazines. Readings are chosen both to aid students to perfect their writing skills and to provide them the widest possible exposure to contemporary Hispanic culture. The course's principal objective is to ensure that students master a clear, effective, and mechanically correct prose style in Spanish. May be taken concurrently with SPAN 3310. Prerequisite: SPAN 2312 or SPAN 2315 or equivalent course or sufficient score on the placement exam.

SPAN 3305 *Advanced Spanish Composition.* Three semester hours. (FL, SS)

Conducted in Spanish. Required of all Spanish majors and minors, and students of bilingual education or dual language programs. In addition to emphasizing academic writing in Spanish and building on the skills developed in SPAN 3300, 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. Prerequisite: SPAN 3300 or equivalent.

SPAN 3310 *Introduction to Literature in Spanish.* Three semester hours. (FL/SP/SS)

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 3300. Prerequisite SPAN 2312 or SPAN 2315 or equivalent course or sufficient score on the placement exam.

SPAN 3317 *Spanish Linguistics.* Three semester hours. (SP)

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. Prerequisite: SPAN 3300 and 3310.

SPAN 3321 *Studies in Spanish Literature Before 1700*. Three semester hours. (FL/SS)

Conducted in Spanish. A chronological survey from the Jarchas and *Poema de Mio Cid* to the works of Calderón de la Barca. Prerequisite: SPAN 3300 and 3310.

SPAN 3322 *Studies in Spanish Literature After 1700*. Three semester hours. (SP/SS)

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. Prerequisite: SPAN 3300 and 3310.

SPAN 3323 *Studies in Spanish American Literature from the Conquest to Modernism*. Three semester hours. (SP)

Conducted in Spanish. A chronological survey beginning with Columbus's letters, chronicles of the Spanish conquistadors, Cortes' letters, poetry and prose through Modernism. Prerequisite: SPAN 3300 and 3310.

SPAN 3326 *Studies in Spanish American Literature of the Nineteenth and Twentieth Centuries*. Three semester hours. (FL)

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. Prerequisite: SPAN 3300 and 3310.

SPAN 3390 *Spanish and Culture for the Professions*. Three semester hours.

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. Prerequisite: SPAN 3300 and 3310.

SPAN 4300 *Contemporary Spanish American Society in Literature*. Three semester hours.

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 García Márquez, Allende, Vargas Llosa, Borges, Castellanos, Octavio Paz, Carlos Fuentes, etc. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4301 *18th and 19th Century Spanish Literature*. Three semester hours. (FL-Odd)

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. May be repeated when topic changes. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4302 *20th Century Spanish Prose*. Three semester hours. (SP-Even)

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. May be repeated when topic changes. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4303 *The Spanish American Novel*. Three semester hours. (SP)

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 Güiraldes, Gallegos and Rivera, as well as more modern writers such as Carpentier, Cortázar, Asturias, Vargas Llosa, Fuentes, Rulfo, and García Márquez. The novels' historical, social, cultural and intellectual ambience will form an integral part of the course. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4304 *The Generation of 1898*. Three semester hours. (SP-Even)

Conducted in Spanish. The Generation and its influence upon the growth and development of Spanish thought. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4305 *Modern Spanish Literature: Drama and Poetry*. Three semester hours. (SS)

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, García Lorca, Calvo Sotelo, Buero Vallejo, Sastre, Valle-Inclán.

Poetry: Machado, Juan Ramón Jiménez, and García Lorca and his generation.

Prerequisite: SPAN 3300 and 3310 or consent of instructor. May be repeated when topic changes.

SPAN 4306 *Colonial Spanish American Literature*. Three semester hours.

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. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4307 *Spanish American Literature: Poetry and Short Story*. Three semester hours. (SP)

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, Rulfo, García Márquez, Borges. May be repeated when topic changes. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4308 *Cervantes and Don Quijote*. Three semester hours. (FL)

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. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4309 *Mexican Literature*. Three semester hours. (SP-Odd)

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. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4311 *Problems in the Teaching of Spanish*. Three semester hours. (SP)

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. Prerequisite: SPAN 3305 or equivalent course.

SPAN 4312 *History of the Spanish Language*. Three semester hours. (SS)

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. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4313 *Problems in Teaching Spanish ECE-4th*. Three semester hours. (SP)

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 to children from pre-K through the 4th grade. Recommended for prospective teachers. Prerequisite: SPAN 3305 or equivalent.

SPAN 4314 *Spanish Literature Before 1500*. Three semester hours. (SP/SS-Odd)

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*. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4315 *Spanish Literature of the Golden Age*. Three semester hours. (SP/SS-Even)

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 Calderon de la Barca. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4316 *Studies in Language*. Three semester hours.

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. Prerequisite: Six hours Sophomore literature or consent of instructor. May be repeated for credit when topic changes.

SPAN 4317 *Hispanic Folklore*. Three semester hours. (SS)

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. Prerequisite: SPAN 3300 and 3310 or consent of instructor.

SPAN 4320 *Spanish American Literature: Twentieth Century*. Three semester hours.

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. Prerequisite SPAN 3300 and 3310 or consent of instructor.

SPAN 4330 *Special Topics in Spanish Literature and Culture*. Three semester hours.

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 when topic changes. Prerequisite: Either SPAN 4301, SPAN 4302, SPAN 4304, SPAN 4305, SPAN 4314, or SPAN 4315.

SPAN 4335 *Special Topics in Hispanic Literature and Culture*. Three semester hours.

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 when topic changes. Prerequisite: Either SPAN 3310 (Formerly SPAN 4310).

SPAN 4340 *Special Topics in Spanish American Literature and Culture*. Three semester hours.

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 when topic changes. Prerequisite: Either SPAN 4300, SPAN 4303, SPAN 4306, or SPAN 4309.

SPAN 4370 *Text Analysis*. Three semester hours.

Analysis of structural units contributing to the meaning of Spanish and English language texts at different levels: individual words, syntactic forms, paragraphs, etc. Examination of various categories of texts with special focus on text-specific terminology, figurative language, idiomatic expressions, and cultural allusions. Practice of same language translation, summaries, *précis*, and renderings at different levels of formality. Prerequisite/corequisite: SPAN 4350 or 4351.

SPAN 4371 *Hispanic Culture*. Three semester hours.

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. Prerequisite/corequisite: SPAN 4350 or 4351.

SPAN 4380 *Spanish-English Translation - Commercial and Economic Texts*. Three semester hours.

An analysis of commercial and economic language. Intensive practice in translation from Spanish to English of texts relating to economics, commerce, finance, management and marketing, international trade, shipping, insurance, and customs documents. Students are exposed to different styles of writing and document structures, and will learn to apply basic concepts of economics and business to real-world texts. Prerequisites: SPAN 4360 or 4361 and SPAN 4370 or 4371.

SPAN 4381 *English-Spanish Translation - Commercial and Economic Texts*. Three semester hours.

An analysis of commercial and economic language. Intensive practice in translation from English to Spanish of texts relating to economics, commerce, finance, management and marketing, international trade, shipping, insurance, and customs documents. Students are exposed to different styles of writing and document structures, and will learn to apply basic concepts of economics and business to real-world texts. Prerequisites: SPAN 4360 or 4361 and SPAN 4370 or 4371.

SPAN 4382 *Spanish-English Translation - Scientific and Medical Texts*. Three semester hours.

An analysis of scientific and medical terminology. Intensive practice in translation from Spanish to English of texts in nursing and nursing administration, medicine, physics, biochemistry, environment, ecology, and computer science.

Students will be exposed to various types of technical writing found in journal articles, manuals and patents and medical reports and procedures. Prerequisites: SPAN 4360 or 4361 and SPAN 4370 or 4371.

SPAN 4383 *English-Spanish Translation - Scientific and Medical Texts*. Three semester hours.

An analysis of scientific and medical terminology. Intensive practice in translation from English to Spanish of texts in nursing and nursing administration, medicine, physics, biochemistry, environment, ecology, and computer science. Students will be exposed to various types of technical writing found in journal articles, manuals and patents and medical reports and procedures. Prerequisites: SPAN 4360 or 4361 and SPAN 4370 or 4371.

SPAN 4384 *Spanish-English Translation - Political and Legal Texts*. Three semester hours.

An analysis of political and legal language. Intensive practice in the translation from Spanish to English of texts and documents relating to treaties, charters, contracts and government regulations, the language of campaigning and elections, diplomacy and international organizations as well as legislation, civil law and criminal law. Prerequisites: SPAN 4360 or SPAN 4361 and SPAN 4370 or 4371.

SPAN 4385 *English-Spanish Translation - Political and Legal Texts*. Three semester hours.

An analysis of political and legal language. Intensive practice in the translation from English to Spanish of texts and documents relating to treaties, charters, contracts and government regulations, the language of campaigning and elections, diplomacy and international organizations as well as legislation, civil law and criminal law. Prerequisites: SPAN 4360 or SPAN 4361 and SPAN 4370 or 4371.

SPAN 4390 *Spanish for Professional Purposes*. Three semester hours. (FL-Even)

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. Prerequisite: SPAN 3305.

SPAN 4397 *International Service Learning*. Three semester hours.

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. Prerequisite: Consent of instructor.

SPAN 4398 *Creative Writing*. Three semester hours. (SP)

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. Prerequisite: SPAN 2307 or ENGL 2307 or consent of instructor.

SPAN 4399 *Senior Seminar*. Three semester hours.

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. Prerequisite: At least 21 semester credit hours in Spanish.

SPAN 5300 *Theory of Literary Analysis, Bibliographic Research, and Literary Writing Method*. Three semester hours.

The course is designed to acquaint graduate students before the end of their third semester of graduate studies with the techniques of research and writing appropriate to the study of literature.

SPAN 5301 *Seminar in Medieval Literature*. Three semester hours.

A close study of sources, themes, and structure of a variety of medieval texts. Subjects may include major works, including poetry (*Libro de Alexandre, El Cid*), prose (Alfonso el Sabio, *Cárcel de Amor*), the history of medieval drama and the *Celestina*. May be repeated when topics vary.

SPAN 5303 *Cervantes*. Three semester hours.

Conceived to examine either the *Quijote*, in the light of its progeny, including Avellaneda's unauthorized Volume II, Unamuno's *Don Quijote y Sancho*, and Dale Wasserman's *Man of La Mancha*, or other works of Cervantes such as *Numancia*, *La Galatea*, *Persiles y Segismunda*, *Viaje de Parnaso* and *Los baños de Argel*. May be repeated when the topics vary.

SPAN 5304 *Studies in Language*. Three semester hours.

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. Prerequisite: Graduate standing. May be repeated for credit when the topic changes.

SPAN 5305 *Seminar in Golden Age Drama*. Three semester hours.

An in-depth study of the figures of pre-and post-Baroque Spanish drama, including either Gil Vicente, Juan de Encina, Torres Naharro, Lope de Rueda, Miguel de Cervantes y Juan de la Cueva, or Lope, Tirso de Molina, Ruiz de Alarcón, Mira de Amescua, Vélez de Guevara, Calderón de la Barca, Ana Caro and María Zayas. Special emphasis on the social and historical reality which framed Spanish drama of the seventeenth century. May be repeated when the topics vary.

SPAN 5306 *Seminar in Colonial Spanish American Literature*. Three semester hours.

Conducted in Spanish. A seminar to focus on the works written by the most representative authors from the colonial period to the years of independence. The course covers poetry, drama, and prose, and may focus on specific authors. May be repeated when topics vary.

SPAN 5307 *Seminar in Golden Age Prose and Poetry*. Three semester hours.

A seminar dedicated to either Spanish "siglo de oro" short fiction, such as the picaresque, exemplary and sentimental novels and their relationships to the "novella", or the poetry of Garcilaso, the Mystics, Lope de Vega, Góngora and Quevedo. May be repeated when topics vary.

SPAN 5308 *Seminar in Hispanic American Literature*. Three semester hours.

Conducted in Spanish. A seminar dedicated to either the novel of the first part of the twentieth century or to the most important plays written by the great playwrights of the twentieth century. May be repeated when topics vary.

SPAN 5309 *Seminar in Nineteenth Century Spanish Literature*. Three semester hours.

Conducted in Spanish. The seminar will focus on one of the many literary expressions of the nineteenth century, including the novel, the Romantics, Realism, and Naturalism. Special emphasis on the place of Spanish literary art in the larger European context. May be repeated once when topic changes.

SPAN 5310 *Spanish Novel of the Twentieth Century*. Three semester hours.

Conducted in Spanish. Designed to follow the trajectory of the Spanish novel from the end of the 19th Century post-Franco Spain. This class may focus on such topics as myth, memory, identity, and historiography. May include Miguel de Unamuno, Camilo Jose Cela, Carmen Laforet, Luis Martin-Santos, and Manuel Vasquez Montalban.

SPAN 5313 *Seminar in Modern Spanish Literature*. Three semester hours.

Conducted in Spanish. A seminar of diverse topics, including the short story, drama, and poetry. May have a special emphasis on the Generation of '98 and artistic and social influences on modern Spanish letters. May be repeated when topics changes.

SPAN 5330 *Seminar in Sixteenth Century Hispanic American Literature*. Three semester hours.

An in-depth study of the chronicles from the period of the Spanish conquest, viewed from the perspective of the conqueror and the conquered.

SPAN 5332 *Seminar in Spanish American Women Writers*. Three semester hours.

Conducted in Spanish. May include Sor Juana Inés de la Cruz, Gertrudis Gómez de Avellaneda, Gabriela Mistral, Rosario Castellanos, Isabel Allende. Special emphasis on their unique perspective and understanding of their culture and their times.

SPAN 5334 *Seminar in Rubén Darío and Modernismo*. Three semester hours.

Conducted in Spanish. A close look at the founder and his movement, its origins, development, and relationship to European aesthetic movements.

SPAN 5336 *The Spanish American Short Story*. Three semester hours.

Conducted in Spanish. A seminar to focus on the works of one or more of the great short story writers, including Horacio Quiroga, Julio Cortázar, Jorge Luis Borges, Juan Rulfo, Gabriel García-Márquez.

SPAN 5338 *The Essay in Spanish America*. Three semester hours.

Conducted in Spanish. May include the writing and thought of Domingo Faustino Sarmiento, José Enrique Rodó, Juan Montalvo, Andrés Bello, Pedro Henríquez Ureña, Antonio Caso, José Vasconcelos, Alfonso Reyes, and Jorge Luis Borges.

SPAN 5340 *Seminar in Mexican Literature*. Three semester hours.

Conducted in Spanish. A seminar of diverse topics, including the literature of the Revolution, the novel, poetry, and short story. May be repeated when topics vary.

SPAN 5342 *Modern Spanish American Novel*. Three semester hours.

A study of the major novelists of the twentieth century, including those of the "boom" such as Cortázar, Fuentes, Vargas Llosa, García Márquez, and some other such as Donoso, Onetti, Puig, and Allende.

SPAN 5344 *Seminar in Modern Spanish American Literature*. Three semester hours.

Conducted in Spanish. A seminar of diverse topics, including modern poetry and poets, contemporary short stories, and drama. May be repeated when topics vary.

SPAN 5345 *Literary Research on Spanish and Spanish American Literature*. Three semester hours.

Conducted in Spanish. Introduction to the basic techniques of research and scholarly procedures in Spanish and Spanish American literature and linguistics. May be repeated when topics vary.

SPAN 5346 *Topics in Spanish Literature*. Three semester hours.

Conducted in Spanish. An in-depth study of a specific Spanish literary period or movement, a genre, or an author. May be repeated once when topic changes.

SPAN 5347 *Topics in Spanish American Literature*. Three semester hours.

Conducted in Spanish. An in-depth study of a specific Spanish American literary period or movement, a genre, or an author. May be repeated once when topic changes.

SPAN 5350 *Professional Paper*. Three semester hours.

To be scheduled by the student in consultation with his or her major professor. Prerequisite: Approval of the major professor and the Department Chair.

SPAN 5352 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his or her major professor. Prerequisite: Approval of the major professor and the Department Chair. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

SPAN 5354 *Thesis*. Three semester hours.

To be scheduled by the student in consultation with his/her major professor. Prerequisite: Approval of the major professor and the Department Chair. If grade of IP received, student must enroll again for credit. Evaluation of performance in this course is on CR/NC basis.

SYSTEMS ENGINEERING (SENG)

SENG 3300 *Engineering Economics*. Three semester hours.

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. Prerequisites: Math 2414.

SENG 3301 *Engineering Project Management and Proposals*. Three semester hours.

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 *Introduction to Control Systems*. Three semester hours.

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, COSC 1336.

SENG 3320 *Engineering Modeling and Design*. Three semester hours.

Fundamentals of modeling and specifications engineering design, reverse engineering, rapid prototyping, and manufacturing. Application of the design process and problem solving through individual and/or team projects. Prerequisites: ENGR 1204, ENGR 2305, COSC 1336.

SENG 3330 *Operations Research I*. Three semester hours.

Introduction to the fundamental deterministic analytical methods and their applications to industrial and systems engineering. Modeling and decision making. Methods include linear programming, integer programming, dynamic programming, and nonlinear programming. Prerequisite: MATH 3310, SENG 3320.

SENG 3340 *Robotics and Automation*. Three semester hours.

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. Prerequisite: SENG 3310. Course fee: \$35.

SENG 3350 *Production Planning and Control*. Three semester hours.

Coordination of activities of manufacturing and services systems. System design, inputs and outputs, planning and scheduling. Inventory controls and supply chains management with the employment of linear programming. Job scheduling on flexible manufacturing lines. Prerequisite: MATH 3310, SENG 3300.

SENG 3370 *Computer Integrated Manufacturing*. Three semester hours.

Programmable automation applied to manufacturing systems. Sensors and data acquisition. Continuous and discrete control system design and analysis. Computer control of manufacturing processes and integration. Communications through local areas networks. Prerequisite: SENG 3310. Course fee: \$35.

SENG 3380 *Engineering Statistics*. Three semester hours.

Probability and distribution; statistical methods to monitor and improve product quality and reduce the manufacturing variations. Variable and attribute control charts or statistical process charts. Acceptance sample methods. Process capability indexes. Forecasts based on moving average, exponential smoothing, and regression analysis will be studied. Prerequisite: ENGR 2372.

SENG 4152-4352 *Internship in Systems Engineering*. One to three semester hours.

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. Prerequisite: Permission of instructor.

SENG 4195-4395 *Undergraduate Research*. One to three semester hours.

Permits work on a research engineering project. May be repeated for credit. Prerequisite: Permission of instructor.

SENG 4199-4399 *Independent Study in Systems Engineering*. One to three semester hours.

A directed study course. Topics selected from contemporary developments in the field of systems engineering. May be repeated for credit. Prerequisite: Permission of instructor.

SENG 4315 *Embedded Systems*. Three semester hours.

Characteristics of embedded systems, microprocessors and microcontrollers, system design, modular programming, interface devices, memory management, interrupts, input/output applications, multitasking, and simulation. Prerequisites: ENGR 2305 and COSC 1336. Course fee: \$35.

SENG 4330 *Operations Research II*. Three semester hours.

Introduction to the fundamental probabilistic analytical methods and their applications to industrial and systems engineering. Modeling and decision making with uncertainties. Methods include Markov chains, Poisson processes, renewal theories and queuing systems with application to production systems and inventory controls. Prerequisites: SENG 3330, SENG 3380.

SENG 4340 *Intelligent Systems*. Three semester hours.

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. Prerequisite: SENG 3340.

SENG 4350 *Facilities Design and Logistics*. Three semester hours.

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. Fundamental concepts applied through a sequence of design projects. Prerequisites: SENG 3330, SENG 3350.

SENG 4360 *Systems Simulation*. Three semester hours.

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 3320 and SENG 3380. Course fee: \$35.

SENG 4370 *Introduction to Virtual Manufacturing*. Three semester hours.

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 *Quality Control and Reliability*. Three semester hours.

Principle and practice of statistical quality control including control by variable and by attribute; construction and use of control charts for variables; fraction defectives, number of defects and use of standard plans; reliability and life cycle testing; failure mode and effect analysis; basic concepts of total quality management. Prerequisites: SENG 3380.

SENG 4385 *Special topics in Systems Engineering*. Three semester hours.

Topics may be from any area of systems engineering. May be repeated when topic changes. Prerequisite: Senior standing or permission of instructor.

SENG 4390 *Systems Engineering Senior Project*. Three semester hours.

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. Prerequisite: SENG 3301. Course Fee: \$35.

THEATER ARTS (THAR)

THAR 1301 (DRAM 1330) *Stage Production*. Three semester hours.

Introductory study of the principles and practices governing the presentation of stage productions. Includes units on backstage work including costuming, make-up, props, lighting, sound and set construction.

THAR 1310 *Performance*. Three semester hours.

Fundamentals of theatrical performance. Exercises designed to enhance physical and emotional identities, powers of observation, sense memory, emotion memory, sources of vocal production, physical expressiveness and improvisational techniques.

THAR 2340 *Play Analysis*. Three semester hours.

Principles and techniques governing the preparation of plays and other theatrical events for performance, design, direction and production. Contemporary systems of script analysis.

THAR 2354 *Characterization*. Three semester hours.

A studio acting course in which the student explores and develops the techniques of creating a role. The student will explore the beginnings of creating a character from the ground up through analysis, rehearsal, and performance. The student will work on the creation of a comedic character as well as a dramatic character. This will culminate in a final performance showcase of a one man/one woman performance piece with the inclusion of a duet performance at the end of the semester (Note: outside rehearsal time may be needed throughout the semester).

THAR 3320 *History of the Theatre I*. Three semester hours.

A study of the theatre and its place in the social and cultural evolution from primitive civilization to 1700. Selected examples of theatre literature are studied.

THAR 3321 *History of the Theatre II*. Three semester hours.

A study of the theatre and its place in the social and cultural evolution from 1700 to the present. Selected examples of theatre literature are studied.

THAR 4313 *Special Problems in Theater*. Three semester hours.

In-depth study of a specific area of theater arts. May be repeated once when the topic changes. Prerequisite: THAR 1301 or THAR 1310 or consent of instructor.

THAR 4332 *Theatre in Education*. Three semester hours.

This course provides an in-depth examination of Applied Theatre as it is used in a variety of settings, including elementary and middle school classrooms, recreation facilities, and in community outreach programs.

THAR 4364 *Directing I*. Three semester hours.

A study of the fundamentals of directing with practical experience provided by directing scenes. Students will learn to establish the world of the play through given circumstances and theatrical elements. Students will present a total of three scenes from previous published work. (Rehearsals outside of class will be required).

TRANSLATION (TRAN)

TRAN 4350 *Introduction to Spanish-English Translation*. Three semester hours.

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 texts, while developing practical translation skills. Prerequisites: ENGL 1302 and SPAN 3300.

TRAN 4351 *Introduction to English-Spanish Translation*. Three semester hours.

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 basic translation problems of short texts, while developing practical translation skills. Prerequisites: ENGL 1302 and SPAN 3300.

TRAN 4360 *Intermediate Spanish-English Translation*. Three semester hours.

An orientation to 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 the areas of literature, medicine and the law. Prerequisite: TRAN 4350 or SPAN 4351.

TRAN 4361 *Intermediate English-Spanish Translation*. Three semester hours.

An orientation to 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 the areas of literature, medicine, and the law. Prerequisite: TRAN 4350 or TRAN 4351.

URBAN PLANNING AND ADMINISTRATION (URBS)

URBS 2301 *Introduction to Urban Studies*. Three semester hours. (FL-Even)

A multidisciplinary introduction to the study of the contemporary city and urban issues, domestic and international. An overview of different disciplines' approaches to the study of the city and urban issues, including urban history, geography, politics/public administration, sociology, planning, and design and architecture.

URBS 3301 *Urban Anthropology*. Three semester hours.

A study of how humans adapt culturally and biologically to increasingly dense settlement patterns. Examines the process by which complex societies emerge, from ancient times to the present: the strategies humans use to cope with demands posed by urban environments; and a cross-cultural study of formal and informal cultural use of urban space. (Cross-listed with ANTH 3301)

URBS 3302 *Urban Political Theory*. Three semester hours.

This course is designed as an introduction to foundational social theory with a specific orientation toward urban studies. We will explore the early identification of the urban phenomenon with the emergence of modernity, pertinent theoretical and practical responses to the industrial city, the city's role in capitalist accumulation and social conflict, the problem of sustaining urban vitality and community, and new functions of culture and representation in modern cities. (Cross-listed with PSCI 3302)

URBS 3316 *Urban Sociology*. Three semester hours.

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 SOCI 3316)

URBS 4301 *Introduction to Urban Planning*. Three semester hours. (FL-Even)

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. Prerequisite: Upper division standing or consent of instructor. (Cross-listed with GEOG 4301 and PSCI 4301).

URBS 4302 *Topics in Latin American Urbanism*. Three semester hours.

A special topics seminar that considers one or more aspects of the Latin American urban landscape, including architecture, housing, historic preservation and gentrification, urban economic policy and planning, industrialization, transportation, urban primacy and urban form and function (morphology). May be repeated once when topic changes. May be taken for graduate credit. Prerequisite: Six hours of GEOG or URBS. (Cross-listed with GEOG 4302)

URBS 4305 *Urban Studies Internship*. Three semester hours. (SS)

Supervised internship program. The student is placed in a department of a city or county government, or similar entity, that relates to such urban issues as transportation, physical infrastructure, public lands, and social services. The student is evaluated in part on the quality of the required written report upon completion of the internship, and in part on the hosting agency's/department's written evaluation of the student's work performance. Prerequisite: Upper division standing, and a completed and approved Internship Agreement.

URBS 4345 *Urban Politics*. Three semester hours. (FL-Even)

Forms and organization of city government. A study of urban political processes and major public problems confronting urban areas. Prerequisite: Six hours of political science. (Cross-listed with PSCI 4345)

URBS 4360 *Special Topics: Administration*. Three semester hours.

This course is designed to develop students' hands-on knowledge and deeper understanding towards urban administrative issues. A specific topic will be selected for the course and the students will focus on the history, politics, and implementation of the issue. The topics can range from national issues such as immigration to local issues such as transportation projects in Laredo. Prerequisite: Senior Standing.

URBS 4370 *Special Topics: Planning*. Three semester hours.

This course is designed to develop students' hands-on knowledge and deeper understanding towards urban planning issues. A specific topic will be selected for the course and the students will focus on the history, politics, and implementation of the issue. The topics can range from national issues such as urban sprawl to local issues such as transportation problems in Laredo. Prerequisite: Senior Standing.

URBS 4395 *Urban Historical Geography*. Three semester hours. (SP)

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 GEOG 4395 and HIST 4395)

WOMEN'S AND GENDER STUDIES (WGST)

WGST 3300 *Introduction to Women's and Gender Studies*. Three semester hours.

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 3301 *Topics in Women's Studies*. Three semester hours.

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. Prerequisite: WGST 3300 or consent of instructor.

WGST 3302 *Topics in Gender Studies*. Three semester hours.

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. Prerequisite: WGST 4325/SOCI 4325 or consent of instructor.

WGST 4302 *Senior Seminar in Women's and Gender Studies*. Three semester hours.

Students will examine theoretical readings in Women's Studies and Gender Studies and will develop interdisciplinary, independent projects. Prerequisites: WGST 3300, WGST 4325/SOCI 4325, and nine hours of Women's and Gender Studies electives.

WGST 4325 *Sociology of Gender Roles*. Three semester hours.

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. Prerequisite: Junior standing. May be taken for graduate credit. (Cross-listed with SOCI 4325).

A.R. SANCHEZ, JR. SCHOOL OF BUSINESS COURSE DESCRIPTIONS

THE TEXAS COMMON COURSE NUMBER FOLLOWS THE TAMU NUMBER IN PARENTHESIS. SEE APPENDIX D.

ABBREVIATIONS FOR THE SEQUENCE OF COURSE OFFERINGS: FALL (FL), SPRING (SP), SUMMER (SS)

ACCOUNTING (ACC)

Section 12(e)(2) 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 designated by board rule as core accounting classes.

ACC 2301 (ACCT 2301) *Introduction to Financial Accounting.* Three semester hours. (FL/SP/SS)

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.

ACC 2302 (ACCT 2302) *Introduction to Managerial Accounting.* Three semester hours. (FL/SP/SS)

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. Prerequisite: ACC 2301 with a grade of "C" or better.

ACC 3310 *Intermediate Accounting I.* Three semester hours. (FL/SS)

Focuses on the study of problems in financial accounting measurement, including an introduction to theory, present value concepts and applications, current assets, including cash, receivables, and inventory valuation problems. Prerequisite: ACC 2302 with a grade of "C" or better.

ACC 3320 *Intermediate Accounting II.* Three semester hours. (FL/SP/SS)

Focuses on the study of problems in financial accounting measurement, including fixed assets, depreciation, intangible assets, current and long-term liabilities, and stockholders' equity, earnings per share, and investments. Prerequisite: ACC 3310 with a grade of "C" or better.

ACC 3330 *Intermediate Accounting III.* Three semester hours.

Focuses on topics in financial accounting measurement, including revenue recognition, reporting of income taxes, accounting changes and correction of errors, leases, pensions, cash flow, financial statement analysis, interim financial reports, and reporting for segments of a business enterprise. Prerequisite: ACC 3320 with a grade of "C" or better.

ACC 3340 *Advanced Managerial Accounting.* Three semester hours. (SP)

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. Prerequisite: ACC 2302 with a grade of "C" or better.

ACC 3344 *Ethics for Accountants.* Three semester hours.

This course provides an intensive study of ethical reasoning, integrity, accounting objectivity, public accountant's independence and other core values. Prerequisite: ACC 3310 with a grade of "C" or better.

ACC 3350 *Federal Taxation*. Three semester hours. (FL)

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. Prerequisite: ACC 3320 with a grade of "C" or better or permission of instructor.

ACC 3370 *Introduction to Accounting Systems*. Three semester hours. (FL)

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. Prerequisite: ACC 2302 with a grade of "C" or better.

ACC 4370 *Auditing and Systems*. Three semester hours. (SP)

This course covers topics in financial auditing, internal controls, and advanced accounting systems design. This is the capstone course in accounting and must be taken during the final 12 semester hours of the degree program. Prerequisite: ACC 3370 and ACC 3320, both with a grade of "C" or better.

ACC 4375 *Forensic Accounting*. Three semester hours.

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 4392 *Accounting Research*. Three semester hours. (S)

This case based course will use both electronic and printed materials to study advanced research techniques in both auditing and financial, tax, not-for-profit and managerial accounting. The student must analyze problems, search for authoritative answers, and present the results in a professional manner. Prerequisite: ACC 3320 with a grade of "C" or better.

ACC 4398 *Accounting Internship*. Three semester hours. (FL/SP/SS)

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. 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. May be taken one time.

ACC 4399 *Issues in Accounting*. Three semester hours.

This course examines current topics of interest in accountancy. May be repeated once when topic changes. Prerequisite: Permission of instructor.

ACC 5300 *Accounting Concepts*. Three semester hours. (FL/SP)

An intensive study of financial accounting concepts. A study of the manner in which financial accounting data is collected, recorded, processed, reported, and used by various participants in the business decision-making process. Several management accounting topics are also introduced. Prerequisite: Graduate standing.

ACC 5310 *Financial Statement Analysis*. Three semester hours. (F, S), (Spanish) (S)

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. Prerequisite: ACC 5300 or equivalent with a grade of "C" or better.

ACC 5315 *Advanced Accounting*. Three semester hours. (F)

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. Prerequisite: ACC 3330 or permission of instructor.

ACC 5320 *Tax Research and Policy*. Three semester hours.

This course gives the student experience in using reference resources to develop a reasonable basis for a recommendation on a complex tax matter. Prerequisite: ACC 3350 or permission of instructor.

ACC 5325 Seminar in Managerial Accounting. Three semester hours. (SP)

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. Prerequisite: ACC 5300 or equivalent with a grade of "C" or better.

ACC 5330 Advanced Taxation. Three semester hours. (FL)

This course covers topics in corporate taxation, partnership issues, estate planning, taxation of foreign operations, and other current issues. Prerequisite: ACC 3350 or permission of instructor.

ACC 5335 Seminar in Government and Not for Profit Accounting. Three semester hours. (FL)

This course provides an intensive study of accounting for "not for profit" entities with particular emphasis on issues confronting municipalities, single audits, and compliance with grantor or similar requirements. Prerequisite: Permission of instructor.

ACC 5344 Seminar in Ethics for Accountants. Three semester hours.

This course provides an intensive examination 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. Prerequisite: Graduate standing.

ACC 5345 International Accounting. Three semester hours. (FL)

This course covers the topics of currency translation and subsidiary or divisional accounting including the history of foreign currency translation, methods, foreign currency gains and losses, and accounting for multinational and international accounting organizations.

ACC 5350 Accounting Theory. Three semester hours. (F)

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. Prerequisite: ACC 3330. (Formerly ACC 4350)

ACC 5351 Multi-jurisdictional Taxation. Three semester hours. (SP)

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. Prerequisite: ACC 5330. (Formerly ACC 3351)

ACC 5355 International Taxation. Three semester hours. (SP)

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. Prerequisite: ACC 5320.

ACC 5370 Seminar in Auditing. Three semester hours. (SP)

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 or equivalent

ACC 5375 Forensic Accounting. Three semester hours.

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 5385 Emerging Accounting Issues and Concepts. Three semester hours. (SP)

An intensive study of emerging accounting issues and concepts as evidenced in current literature, exposure drafts (FASB, GASB, IASC), and professional examinations.

ACC 5390 Managing the Accounting Practice. Three semester hours.

This is a capstone course. Problems encountered in practice management of a professional service business are explored. Topics include recruitment, training, motivation and business development.

ACC 5392 *Advanced Accounting Research*. Three semester hours. (S)

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. Prerequisite: ACC 3320 with a grade of "C" or better.

ACC 5199-5399 *Special Issues in Accounting*. One-three semester hours.

This course examines current topics of interest in accountancy. May be repeated once when topic changes. Prerequisite: Permission of instructor.

ACC 5398 *Accounting Internship*. Three semester hours. (FL/SP/SS)

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. 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. May be taken one time.

ACC 6310 *Seminar in International Accounting*. Three semester hours.

This course will focus on issues related to accounting and auditing in an international context, international standards, and issues related to the consequences of cultural differences. Prerequisite: Consent of the instructor and the Graduate Advisor.

BUSINESS ADMINISTRATION (BA)

BA 3301 *Professional Written Communications*. Three semester hours.

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, ENGL 1302, and MIS 1305.

BA 3310 *Legal Environment of Business*. Three semester hours. (FL/SP/SS)

A study of the role of law and ethics in business and society. How political and social issues affect the law. Government regulation including protection of the environment and antitrust law. General principles of contracts, commercial transactions, property law and international law. Types of business associations including partnerships and corporations. Written and/or oral presentations are required.

BA 3320 *International Business*. Three semester hours.

An introductory 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.

BA 4390 *Business Strategy*. Three semester hours.

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*. Three semester hours.

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. Prerequisites: Must have completed 90 SCH (or 75 SCH with the approval of the student's Department Chair) and have at least an overall 2.50 GPA with more than a 3.00 GPA in the student's major courses. May be repeated; however, only 3 SCH may be used toward a degree program.

BA 4199-4399 *Issues in Business Administration*. One-three semester hours.

A problems course focusing on current issues. May be repeated once when topic changes.

BA 5310 *Business Research Methods*. Three semester hours. (FL/SP)

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. Prerequisite: DS 5300 or concurrent enrollment.

BA 5320 *Global Environments of Business*. Three semester hours.

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*. Three semester hours.

Legal aspects of trade, financing, and forward exchange contracts; comparative analysis under different legal systems; international means of enforcement, adjudication and arbitration.

BA 5390 *Strategic Management*. Three semester hours.

A study of the strategic management process dealing with the analysis of the firm in its global environment and the formulation, implementation, control and evaluation of strategies. Written and oral presentations are integral components of this course. Prerequisite: Completion of all MBA Business Core courses. Must be taken during final semester prior to graduation.

BA 5398 *Business Internship*. Three semester hours.

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/concentration course for any COBA degree and will be graded as Satisfactory/Unsatisfactory. Prerequisites: Must have completed 15 SCH (excluding prerequisite courses) with at least a 3.30 GPA for all attempted course work toward the degree, and a maximum of one "Q" or repeated course. May be repeated; however, only three SCH may be used toward a degree program.

BA 5199-5399 *Special Issues in Business Administration*. One-three semester hours.

Course examines timely topics of concern to business decision makers. May be repeated once when topics vary.

BA 6310 *Advanced Business Research Methods*. Three semester hours.

This course is intended to further develop the students empirical research skill set and examine current research tools outside the student's major. Prerequisite: Consent of the instructor and the Graduate Advisor.

BA 6320 *Research Issues in International Business Administration*. Three semester hours.

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. Prerequisite: Consent of the instructor and the Graduate Advisor.

BA 6330 *Advanced Regression Models*. Three semester hours.

Applies advanced regression models and methods to the study of international trade.

BA 6335 *Advanced Qualitative Methods*. Three semester hours.

Applies qualitative modeling methods and techniques to the study of international business administration.

BA 6340 *Covariance-Based Structural Equation Modeling*. Three semester hours.

Applies covariance-based structural equation modeling to the study of international business administration.

BA 6345 *Variance-Based Structural Equation Modeling*. Three semester hours.

Applies variance-based research methods and techniques to the study of international business administration.

BA 6398 *Special Issues in Research*. Three semester hours.

Offered as needed with content area focus rotating through functional disciplines as required by enrollment in doctoral program.

BA 6399 *Dissertation Research*. Three semester hours.

To be scheduled only with the consent of the Ph.D. Program Director and the COBA Graduate Advisor. Students must enroll for a minimum of 6 dissertation credit-hours per semester and maintain continuous enrollment subsequent to passing comprehensive examinations and admission to candidacy. No credit will be assigned until dissertation has been completed, successfully defended, and filed with the Ph.D. Program Director. May be repeated for credit. Prerequisite: Successful completion of all components of the Ph.D. Comprehensive Examination.

DECISION SCIENCE (DS)

DS 2310 *Business Statistics I*. Three semester hours. (FL/SP/SS)

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. Prerequisite: MATH 1325 with a grade of "C" or better.

DS 2320 *Business Statistics II*. Three semester hours. (FL/SP/SS)

Continued study of statistical methodologies and their application to business and economic problems. Topical coverage includes statistical inference, analysis of variance, multiple regression, chi-square analysis, nonparametric statistics, forecasting and time series analysis. Prerequisite: DS 2310 with a grade of "C" or better.

DS 5300 *Business Quantitative Methods*. Three semester hours. (FL/SP)

A study of mathematical and statistical methods and their application to business and economic decision making. Topical coverage includes: derivative and integral calculus, the logarithmic and exponential functions, descriptive statistics, probability, inferential statistics, and regression analysis. Prerequisite: Graduate standing.

DS 6320 *Multivariate Statistics*. Three semester hours.

Business data frequently measure more than one aspect; that is, it is multivariate. 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 a selection of principle component analysis, factor analysis, canonical correlation, discriminate analysis, multidimensional scaling, cluster analysis, and neural nets. Readings, cases, examples and exercises are drawn from diverse areas of business. Prerequisite: Consent of the instructor and the Graduate Advisor.

ECONOMICS (ECO)

ECO 1301 (ECON 1301) *Survey of Economics*. Three semester hours. (FL-Even)

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.)

ECO 1399 *Special Issues in Economics*. Three semester hours.

This course examines selected current topics in areas relating to economics. Prerequisite: Permission of instructor.

ECO 2301 (ECON 2301) *Principles of Macroeconomics*. Three semester hours. (FL/SP/SS)

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. Prerequisite: MATH 1314 or equivalent.

ECO 2302 (ECON 2302) *Principles of Microeconomics*. Three semester hours. (FL/SP/SS)

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. Prerequisite: MATH 1314 or equivalent.

ECO 3310 *Money and Banking*. Three semester hours.

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*. Three semester hours. (FL/SP)

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 Economic Issues*. Three semester hours. (SP)

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 or consent of instructor.

ECO 4310 *Intermediate Macroeconomics*. Three semester hours. (FL-Odd)

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 4340 *International Economics*. Three semester hours. (FL)

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 4350 *Economic Development*. Three semester hours. (SP-Even)

Problems and processes of economic growth in lesser developed countries; the interdependent nature of economic, social, and institutional forces at the country and international level on country development. Prerequisites: ECO 2301 and ECO 2302.

ECO 4360 *Public Finance*. Three semester hours.

Taxation and expenditure policies of government at the local, state, and federal level. Prerequisites: ECO 2301 and ECO 2302.

ECO 4370 *Regional Economic Integration*. Three semester hours. (FL-Even)

This course examines the historical context and forces behind the movement toward regional economic integration in today's global economy. Case studies incorporating basic theories and concepts from international economics, international finance, economic geography, and economic development are used to understand and predict the welfare consequences (to nations and individual groups) of existing and proposed economic integration schemes in different parts of the world.

ECO 4390 *International Economic Policy and Strategy*. Three semester hours. (SP-Even)

An integrative capstone course designed to prepare the student to make planning, policy formulation and implementation decisions as it relates to the topics of international economics. Case studies and simulations are analyzed using tools developed from previous course work. Written and/ or oral presentations will be required. This class must be taken in the final semester before graduation.

ECO 4199-4399 *Issues in Economics*. One-three semester hours.

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. Prerequisite: Permission of instructor.

ECO 5300 *Economic Concepts*. Three semester hours.

A study of macroeconomic and microeconomic concepts which lead to an understanding of the domestic and global environment of organizations. Topics covered include the study of pricing, profit possibilities, and allocations of resources in different market situations. Additional topics include determinates of national income, employment, interest rates, and investment. Prerequisite: Graduate standing.

ECO 5310 *Managerial Economics*. Three semester hours.

This course shows the student how to apply economic analysis to complex business decisions. Topics covered include: application of consumer and competitive firm theories; market organizations and structures; strategic pricing policies in regulated and unregulated domestic and international markets; and production possibilities and planning.

ECO 5315 *Macroeconomics*. Three semester hours.

A study of the performance of national economies in the global context. The application of contemporary macroeconomic theories and models to issues of economic growth, money, interest rates, saving, investment, employment, prices, income at the national level, and the use of monetary and fiscal policies to affect the performance of national economies.

ECO 5320 *International Trade Theories and Policies*. Three semester hours.

This course surveys different trade theories and covers in-depth the various trade policies pursued by both developing and developed countries.

ECO 5340 *International Political Economic Relations*. Three semester hours.

This course is a survey of principles and concepts of international political economy. Topics include: (1) the western systems with emphasis on relationships that influence intra-system trade; (2) the north-south (including regional economic groups); (3) the East-West system with emphasis on trading practices and trade policies; and (4) the new international economic order and its role in the field of international political economy.

ECO 5350 *International Economic Geography*. Three semester hours.

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 5199-5399 *Special Issues in Economics*. One-three semester hours.

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 economics issues to interested students. May be repeated once when topic changes. Prerequisites: ECO 5310 and permission of instructor.

ECO 6310 *Seminar in International Economics*. Three semester hours.

Advanced topics and readings in trade theory, trade regulations and policies, international factor movements, foreign exchange markets and international economic policy. The course also exposes students to recent journal articles as well as classic works in international economics. Prerequisite: Consent of the instructor and the Graduate Advisor.

FINANCE (FIN)

FIN 3310 *Introduction to Finance*. Three semester hours. (FL/SP/SS)

An introduction of the basic concepts and principles of finance. The material to be covered will include: financial markets and institutions, investments, and managerial finance. Prerequisites: ACC 2302 with a grade of "C" or better; ECO 2301, and ECO 2302.

FIN 3311 *Personal Finance*. Three semester hours. (SS)

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.

FIN 3320 *Financial Institutions and Markets*. Three semester hours. (SP)

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 and Portfolio Management.* Three semester hours. (FL)

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. Prerequisite: FIN 3310.

FIN 3331 *Risk Management.* Three semester hours.

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 3333 *Financing Business Ventures.* Three semester hours.

This course provides an introduction to the sources of funds for business ventures including private placements, limited partnerships, qualified small company public offerings and guaranteed loans. Prerequisite: FIN 3310.

FIN 3355 *Principles of Real Estate.* Three semester hours. (FL-Even)

A general introduction to the theories, techniques and terminology of real estate. The material to be covered will include: real estate as a business and profession, the nature of the federal, state and local statutes that pertain to housing discrimination, equal credit opportunity, and community reinvestment. Prerequisite: FIN 3310.

FIN 3360 *Managerial Finance.* Three semester hours.

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. Prerequisite: FIN 3310.

FIN 4370 *Commercial Bank Management.* Three semester hours. (FL)

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. Prerequisite: ECO 3310 or FIN 3310.

FIN 4380 *International Finance.* Three semester hours. (FL)

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. Prerequisite: FIN 3310.

FIN 4390 *Strategic Financial Management.* Three semester hours. (SP)

An applied course on the use of financial tools for business financial decision-making and strategy formulation. This is a capstone course in which cases will be used to illustrate short-term as well as long-term effective financial decision-making. Prerequisite: FIN 3320, FIN 3330, AND FIN 3360, or consent of instructor.

FIN 4199-4399 *Issues in Finance.* One-three semester hours.

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 5300 *Business Finance Concepts.* Three semester hours.

This course provides an analysis of the significant areas of financial planning and control, working capital and fixed asset management, and the identification and acquisition of funds in the money and capital markets. Also covered are employment of financial techniques as aids in business decision making relative to balancing the liquidity-profitability objectives of a firm. Prerequisite: Graduate standing and ACC 5300 or equivalent.

FIN 5310 *Financial Management*. Three semester hours.

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, issues in international finance, mergers and acquisitions, and long-term financing.

FIN 5320 *International Financial Markets and Institutions*. Three semester hours.

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*. Three semester hours.

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 5331 *International Risk Management and Insurance*. Three semester hours.

Study of financial effects of pure risk on international business operations; policy goals, objectives, organization of effort, identification, and evaluation of risk; selection of risk treatment/financing tools; implementation and review of tools used; probability analyses of data; and financial evaluations of alternative tools.

FIN 5333 *Seminar in Financing Business Ventures*. Three semester hours.

This course provides an intense examination of the emerging issues and current challenges in obtaining funds for business ventures and expansion of recently started business ventures. Prerequisite: Graduate standing.

FIN 5340 *International Working Capital Management*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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 *Seminar in International Banking*. Three semester hours.

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 5199-5399 *Special Issues in International Banking and Finance*. One-three semester hours.

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 International Finance*. Three semester hours.

The course examines the managerial implications pertaining to the financial operations of the firm and of investments in the international arena. The standard topics in international finance, such as exchange rate determination, foreign exchange risk (exposure), hedging techniques (using forwards, futures, options and swaps), international corporate valuation and capital budgeting, and courses of funds and the cost of capital in the international bond, stock, and money markets, are examined from a managerial point of view. The course also exposes students to recent journal articles as well as classic works in international finance and international financial management. Prerequisite: Consent of instructor and the Graduate Advisor.

FIN 6315 Seminar in Corporate Finance. Three semester hours.

The purpose of this course is to appraise both theoretical and empirical work in modern corporate finance. Topics discussed in this course include capital structure, financial distress and bankruptcy, financial intermediaries, corporate control, agency theory, and dividend policy. Prerequisite: FIN 6310.

FIN 6320 Seminar in Financial Markets and Institutions. Three semester hours.

The seminar will summarize the theoretical and empirical literature in the area of financial markets and financial intermediaries. In addition, this course will assess the econometric tools used in finance research. Prerequisite: FIN 6310.

FIN 6330 Seminar in Investments. Three semester hours.

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, the capital asset pricing model (CAPM), the market efficiency theory, as well as empirical evidence regarding capital asset pricing and market efficiency. Prerequisite: FIN 6310.

MANAGEMENT (MGT)

MGT 3300 Introduction to Management of Organizations. Three semester hours.

A study of managerial theories, concepts, principles (planning, organizing, leading, and controlling), practices, and analysis of organizational structure including the problems of reorganization. Analysis of organizational goals, roles, and functions in private for-profit, private quasi-public, private nonprofit, and public organizations. (For non-business majors only.)

MGT 3310 Principles of Management and Organizational Behavior. Three semester hours.

This course is a study of managerial concepts, principles (planning, organizing, directing and controlling), and analysis of organizational behavior (needs, motivations, personality, leadership, group dynamics and communication). Various conceptual and practical approaches of management for creating a quality work life will be included.

MGT 3320 Organizational Behavior. Three semester hours.

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. Prerequisite: MGT 3310.

MGT 3340 Business Ethics. Three semester hours.

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. Three semester hours.

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. Prerequisite: MGT 3310.

MGT 4330 Industrial Relations. Three semester hours.

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. Prerequisite: MGT 3310.

MGT 4350 Business, Government, and Society. Three semester hours.

Introduction to the organization's 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 4351 *Comparative Management Systems*. Three semester hours.

A study of management philosophies, techniques and processes under conditions other than those found today in the United States. Reviewing American, Oriental, European and Middle Eastern management systems in terms of similarities and differences. Prerequisite: MGT 3310.

MGT 4360 *Entrepreneurship and Management of Innovation*. Three semester hours.

A study of the formation and growth of new business ventures both as new start-up firms and within 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. Prerequisite: MGT 3310.

MGT 4380 *Organizational Theory*. Three semester hours.

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. Prerequisite: MGT 3310.

MGT 4199-4399 *Issues in Management*. One-three semester hours.

This course deals with selected issues of current importance in the field of management. May be repeated once when the topic changes.

MGT 5300 *Management Concepts*. Three semester hours.

This course is a survey of the components of management including areas such as organizational behavior, organizational theory, leadership, ethics, human resource management and other relevant management topics.

MGT 5310 *Seminar in Management Concepts*. Three semester hours.

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*. Three semester hours.

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*. Three semester hours.

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 and Decision Making*. Three semester hours.

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*. Three semester hours.

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. Field research related to the feasibility of initiating an enterprise is conducted. Prerequisite: BA 5310.

MGT 5320 *Management Science*. Three semester hours.

The application of quantitative methods to business decisions including linear programming, PERT, PERT/COST, decision theory, simulation, queuing, game theory, and Markov analysis.

MGT 5390 *Global Management Simulation*. Three semester hours.

Through practical exercises and simulations of global management operations, this course integrates the student's abilities in accounting, economics, finance, marketing, management and production management.

MGT 5199-5399 *Special Issues in Management*. One-three semester hours.

A study of topics of current interest in the field of management. May be repeated once when topic changes.

MGT 6310 *Seminar in International Management*. Three semester hours.

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. Prerequisite: Consent of instructor and the Graduate Advisor.

MGT 6312 *Organizational Behavior*. Three semester hours.

Students will examine and assess recent advances in the field of organizational behavior, including motivation theory and practice, leadership theories, the role of power, the work environment and processes, organizational communication, and organizational change. Particular emphasis will be placed on the international dimension of organizational behavior. Prerequisite: Consent of the instructor and the Graduate Advisor.

MGT 6315 *Organizational Theory and Change*. Three semester hours.

This course will enable students to review and synthesize recent advances in organizational theory and change literature, including classical and neoclassical organizational theory, human resource theory, organizational behavior perspective, power, organizational reform, and positive organizational scholarship. Particular emphasis will be placed on the international dimension of organizational theory and change. Prerequisite: Consent of the instructor and the Graduate Advisor.

MGT 6320 *Human Resource Management*. Three semester hours.

This course involves an in-depth assessment of the human resource management scholarship, focusing on a rigorous understanding of the field, appropriate for doctoral level researchers. This understanding will be developed through a critical appraisal of current and seminal human resource management literature. Special attention will be paid to current human resource management trends, legal aspects of human resource management, and the relationships between the various human resource management concepts and applications. Prerequisite: Consent of the instructor and the Graduate Advisor.

MGT 6325 *Leadership and Comparative Management*. Three semester hours.

This course involves a critical review of research streams in the field of leadership and comparative management. Students will gain in-depth insight into the literature, and will develop a capability of interrelating and synthesizing various scholarly contributions. Prerequisite: Consent of the instructor and the Graduate Advisor.

MGT 6330 *Seminar in Strategic Management*. Three semester hours.

This course involves a critical examination of the strategic management literature, including a theoretical, strategic understanding of 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. Prerequisite: Consent of the instructor and the Graduate Advisor.

MGT 6335 *Seminar in Industry and Competitive Analysis*. Three semester hours.

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. Prerequisite: Consent of the instructor and the Graduate Advisor.

MANAGEMENT INFORMATION SYSTEMS (MIS)

MIS 1305 (BCIS 1301) *Introduction to Computer Applications*. Three semester hours. (FL/SP)

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).

MIS 2350 *Introduction to Programming*. Three semester hours. (FL/SP)

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. Prerequisite: MIS 1305 or equivalent.

MIS 3310 *Management Information Systems*. Three semester hours. (FL/SP)

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. Prerequisite: MIS 1305 or equivalent.

MIS 3320 *Information Systems Analysis*. Three semester hours.

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. Prerequisite: MIS 2350 and MIS 3310.

MIS 3330 *Database Design and Implementation*. Three semester hours. (SP)

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: MIS 2350 and MIS 3320.

MIS 3340 *Data Communication and Networking*. Three semester hours. (FL)

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: MIS 2350 and MIS 3310.

MIS 3350 *Advanced Programming Concepts*. Three semester hours. (SP)

This course is a continuation of MIS 2350. Emphasis will be placed on developing object-oriented business applications. Major topics covered include program, system and interface design, database access, web service concepts, and programming management. Prerequisite: MIS 2350.

MIS 3399 *Topics in Information Systems*. Three semester hours.

Readings and discussions on current topics in computer information systems. Includes a significant paper requirement. May be repeated once when the topic changes. Prerequisite: MIS 3310.

MIS 4310 *Information System Design and Implementation*. Three semester hours.

In this course, the last phases of the system development life cycle are studied. These include, but are not limited to: comparing and contrasting a range of approaches to systems design; examining alternative approaches to the implementation of information systems, doing system integration and interface management in a complex environment; following development and documentation standards; performing inspections, reviews, testing and managing the transition and hand-over. Upon completion of this course, the student will be able to design, prototype, document and implement a moderately complex information system. Prerequisite: MIS 3320 and MIS 3330.

MIS 4390 *Information Resource Management*. Three semester hours. (SP)

A capstone course in information systems. An overview of the information systems management function. Emphasizes techniques and issues specific to the development, implementation, and operation of computer information systems. Covers topics such as management of an information systems department, legal and societal issues, and the planning and management of computer acquisitions. Prerequisite: MIS 4310 or concurrent enrollment.

MIS 4399 *Issues in Information Systems*. Three semester hours.

Examines state of the art technology and issues related to the analysis, design, implementation, and control of information systems. Includes a significant project. May be repeated once when the topic changes. Prerequisite: MIS 3310.

MIS 5300 *Information Systems Concepts*. Three semester hours. (FL/SP), (Spanish) (FL)

Concepts, frameworks, research and practice covering the entire spectrum of the field of computer based information systems including structure, development, and implementation of information systems; management and control of

corporate information systems, decision support systems and expert systems; current trends in management, development, hardware and software are investigated from the perspective of both user/manager and developer. Written and oral presentations are integral components of this course. Prerequisite: Permission of instructor.

MIS 5330 *Advanced Programming.* Three semester hours. (FL)

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. Prerequisite: Permission of instructor.

MIS 5340 *Networks and Distributed Systems.* Three semester hours. (SP)

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. Prerequisite: MIS 5300.

MIS 5350 *Information Systems Analysis.* Three semester hours.

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. Prerequisite: MIS 5300 or equivalent; corequisite: MIS 5330 or permission of the instructor.

MIS 5360 *Management of Information Systems.* Three semester hours. (FL)

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. Prerequisite: MIS 5300 or concurrent enrollment, or permission of instructor.

MIS 5370 *Database Management and Design.* Three semester hours. (SP)

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 5300, MIS 5330, 5350 or concurrent enrollment.

MIS 5380 *Information Systems Design and Implementation.* Three semester hours.

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. Prerequisite: MIS 5350 or concurrent enrollment and permission of instructor.

MIS 5390 *Project Design and Management.* Three semester hours. (FL)

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, direct and control the development of computer-based information systems. Prerequisite: MIS 5300.

MIS 5399 *Special Issues in Information Systems.* Three semester hours.

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 Management.* Three semester hours.

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

Prerequisite: Consent of the instructor and the Graduate Advisor.

MIS 6320 *Doctoral Seminar in Social and Organizational Issues in Information Systems*. Three semester hours.

The objective of this course is to provide the student with an understanding of how information systems impact an organization and society, in other words, important organizational, social, legal and ethical issues raised by information systems. The student will be able to critically examine the issues/impact and will be exposed to research trends within these areas, such as themes, methods (methodologies used) and will be able to formulate pertinent research questions. The student will be exposed to the following topics (but not limited to): IT and social controversies; IT and social change; IT and organizational change; economic, cultural and organizational dimensions of IT; ethical perspectives and professional responsibilities for the information technology field, etc. Prerequisite: Consent of the instructor and the Graduate Advisor.

MIS 6330 *Doctoral Seminar in Human-Computer Interaction*. Three semester hours.

The objective of this course is to provide doctoral students with an understanding of key research issues in connection with the interface between human beings and computers, in both individual and group work. This course focuses on key human-computer interface design and related issues, such as individual reaction to interfaces of different levels of naturalness, online learning environments in business contexts, electronic communication media design, fit between electronic collaboration tools and group tasks, and knowledge and information sharing workspaces. The student will be exposed to several key topics, including, but not limited to, human-computer interaction (HCI) concepts and issues; HCI design; typical computer applications and respective interfaces; e-collaboration; emerging applications of innovative human-computer interfaces, etc. Prerequisite: Consent of the instructor and the Graduate Advisor.

MIS 6340 *Doctoral Seminar in Emerging Technologies*. Three semester hours.

The objective of this course is to provide the student with an understanding of emerging technologies that are expected to have wide impact on the future of computing. The student will be able to critically examine the issues/impact and will be exposed to research trends within these areas, such as themes methods (methodologies used) and will be able to formulate pertinent research questions. The student will be exposed to the following topics (but not limited to): agile development methods; biometrics; DNA computing; grid computing; intrusion detection; security; location-based technologies; management service providers; open source software; peer to peer computing; web services; wireless communications; XML, etc. Prerequisite: Consent of the instructor and the Graduate Advisor.

MARKETING (MKT)

MKT 3310 *Principles of Marketing*. Three semester hours.

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. Prerequisite: Junior standing.

MKT 3320 *Buyer Behavior*. Three semester hours.

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. Prerequisite: MKT 3310.

MKT 3325 *Marketing Channels*. Three semester hours.

A study of alternative channels of distribution directing products from producers to consumers. The course focuses on intermediaries, found in most channels, who perform a variety of functions as independent organizations. Best known among such middlemen for consumer products are wholesalers and retailers. Prerequisite: MKT 3310.

MKT 3330 *Advertising and Promotion Management*. Three semester hours.

Advertising, public relations, and promotions are systematically examined in terms of planning, executing, and evaluating marketing programs. Prerequisite: MKT 3310.

MKT 3351 *Personal Selling*. Three semester hours.

This course introduces the student to the basic sales concepts. Topical coverage includes: the psychology of personal selling; planning and presentation; the sales approach; the interview; and closing the sale. Prerequisite: MKT 3310.

MKT 4310 *International Marketing*. Three semester hours.

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. Prerequisite: MKT 3310.

MKT 4320 *Marketing Research*. Three semester hours.

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*. Three semester hours.

Study of the managerial aspects of the marketing functions: product planning, pricing, organizational structure, sales planning, and sales management. Prerequisite: MKT 3310.

MKT 4390 *Marketing Problems and Policies*. Three semester hours.

Capstone course in marketing. Integration of major marketing decisions in industrial and consumer organizations. Must be taken the final semester prior to graduation.

MKT 4199-4399 *Issues in Marketing*. One-three semester hours.

Selected topics for special study related to marketing functions, processes, or issues. May be repeated once when topic changes. Prerequisite: MKT 3310.

MKT 5300 *Marketing Concepts*. Three semester hours.

A course presenting the components of marketing including the creation, promotion, pricing and distribution of goods, services and ideas to consumers and other buyers within a set of environmental forces that affect marketing decisions. Prerequisite: Graduate standing.

MKT 5310 *Seminar in Marketing Management*. Three semester hours.

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*. Three semester hours.

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 5330 *International Promotion*. Three semester hours.

This course provides an in-depth analysis of international promotional activities such as international advertising, international sales promotion, international personal selling, and international public relations. Prerequisite: MKT 5320.

MKT 5340 *Advanced Marketing Research*. Three semester hours.

Advanced studies in the understanding and application of research methods in marketing including the investigation of marketing science models.

MKT 5350 *Advanced Consumer Behavior*. Three semester hours.

Advanced studies in the theoretical understanding of consumer behavioral issues and their practical applications in marketing including study of current consumer behavior literature.

MKT 5199-5399 *Special Issues in Marketing*. One-three semester hours.

A study of topics of current interest in the field of marketing. May be repeated once when topic changes.

MKT 6310 *Seminar in International Marketing*. Three semester hours.

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. Prerequisite: Consent of the instructor and the Graduate Advisor.

PRODUCTION AND OPERATIONS MANAGEMENT (POM)

POM 3310 *Production and Operations Management*. Three semester hours.

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. Prerequisite: DS 2310.

POM 5300 *Production and Operations Management*. Three semester hours.

Planning, organizing and controlling the operations of production and service systems. Topics include: product/process design, factory simulation, total quality, project management, inventory control, production planning, material requirements planning (MRP), just-in-time (JIT), synchronous production, capacity management, rapid response, technological response and operations strategy. Prerequisite: Graduate standing.

POM 5310 *International Production Management*. Three semester hours.

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 5315 *Quality Management*. Three semester hours.

A study of the impact of total quality management on the firm's strategy and operations. Topics include the impact of quality principles on the management and leadership of the firm and statistical quality control techniques. Prerequisite: BA 5310.

POM 5317 *Management of Technology*. Three semester hours.

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. Prerequisite: MIS 5300.

TRANSPORTATION AND LOGISTICS (TIL)

TIL 3310 *Principles of Transportation*. Three semester hours.

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). Prerequisite: MKT 3310.

TIL 3311 *Export/Import Operations and Practice*. Three semester hours.

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.

TIL 3340 *Business Logistics Management*. Three semester hours.

Examination of logistic systems and management, including coverage of inventory, warehousing, traffic, materials and handling, packaging, order processing, and customer service- levels. Prerequisite: MKT 3310.

TIL 5310 *Transportation and Logistics Management*. Three semester hours.

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 are also emphasized.

TIL 5320 *Customs Brokerage*. Three semester hours.

This course is designed to prepare students to clear commercial shipments through United States Customs. Special emphasis is given to the appropriate rules, regulations, documentation, and procedures.

TIL 5330 *International Land Transportation*. Three semester hours.

This course will study motor carriers and rail from several perspectives, such as the role of government in infrastructure development and regulation, industry characteristics, operations, rates and the uniqueness of interstate carriage in North America. Intermodalism, appropriate documentation, and the role of intermediaries will also be covered. Prerequisite: TIL 5310.

TIL 5340 *International Maritime Transportation and Air Transportation*. Three semester hours.

This course studies vessel and air operations. For vessel, it covers charter party and liner structures, operations and the framework for their continued economic development including the conferences systems. It examines CONTAINERIZATION, specialized, bulk and general cargo activities and their international markets. For air, this course would cover corresponding phenomena where applicable. Appropriate documentation and the function of intermediaries for each mode will be included in this course. Prerequisite: TIL 5310.

TIL 5350 *Design and Analysis of International Logistics Systems*. Three semester hours.

An intensive study of analytical models and techniques used to design and analyze international logistics systems. The emphasis will be on models applicable to international logistics systems where the transportation infrastructure is not as well developed as in the United States. Among the topics studied will be facility location decisions, distribution system design, and route selection. Prerequisite: MGT 5320.

TIL 5370 *International Logistics*. Three semester hours.

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 5390 *International Logistics Strategic Management*. Three semester hours.

A capstone course that integrates all the elements of the international logistics program. The interfaces of the logistics system with marketing, production, information, and organizational strategies will be studied to highlight the integrative role of the logistics function and its relevance to the formulation of competitive strategy. The major international issues impinging on the design, analysis, and control of logistical networks will also be discussed. The course will make use of readings, cases, and a computerized simulation exercise. To be taken in the final semester prior to graduation.

TIL 5395 *Thesis I*. Three semester hours.

A written research project advancing a proposition or argument supported by library research and/or empirical evidence. If grade of IP received, student must enroll again for credit.

TIL 5396 *Thesis II*. Three semester hours.

A written research project advancing a proposition or argument supported by library research and/or empirical evidence. Prerequisite: TIL 5395. If grade of IP received, student must enroll again for credit.

TIL 5199-5399 *Special Issues in Logistics*. One-three semester hours.

A study of topics of current interest in the field of logistics. May be repeated once when topic changes.

COLLEGE OF EDUCATION

COURSE DESCRIPTION

THE TEXAS COMMON COURSE NUMBER FOLLOWS THE TAMIU NUMBER IN PARENTHESIS. SEE APPENDIX D.

**ABBREVIATIONS FOR THE SEQUENCE OF COURSE OFFERINGS:
FALL (FL), SPRING (SP), SUMMER (SS)**

COMMUNICATION SCIENCES AND DISORDERS (CSDO)

CSDO 3122 *Observation in Speech/Language Pathology*. One semester hour.

This course is designed to provide exposure to speech language pathology in various settings, analysis of client assessment and treatment profiles and journal research. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

CSDO 3126 *Clinical Practice in Speech Language Pathology*. One semester hour.

This course is designed to provide clinical experiences in speech-language pathology under direct supervision. Clinical experiences will be offered at the TAMIU Communication Disorders Clinic. Course may be repeated for a total of 2 semester hours. Prerequisite: CSDO 3122.

CSDO 3305 *Introduction to Communications Disorders*. Three semester hours.

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. (Formerly EDCD 3305)

CSDO 3313 *Introduction to Audiology*. Three semester hours.

This course provides an introduction to the diagnostic procedures for evaluation of auditory disorders, theoretical concepts, and clinical applications.

CSDO 3321 *Anatomy and Physiology of the Speech Mechanism*. Three semester hours.

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. Prerequisite: Admission to the College of Education and 2.7 overall grade point average. (Formerly EDCD 3321)

CSDO 3325 *Phonetics*. Three semester hours.

This course is designed to acquaint the student with phonetics, phonology and transcription. An emphasis in classification and phonetics of English Phonemes utilizing the International Phonetic Alphabet (IPA), diacritical markings and phonological processes.

CSDO 4300 *Bilingual Speech Language Pathology*. Three semester hours.

This course is designed to acquaint students with typical and atypical speech and language development of culturally and linguistically diverse populations. Focus will be on assessment and intervention of this unique population. Differential diagnosis of communication disorders vs. differences will be emphasized.

CSDO 4320 *Diagnosis and Evaluation in Speech-Language Pathology*. Three semester hours.

This course will introduce the student to 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 will clinical decision making. Interpretation of validity and reliability of testing measures will be introduced to the student. Prerequisite: CSDO 3305.

CSDO 4321 *Articulatory and Phonological Disorders*. Three semester hours.

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.

CSDO 4330 *Voice and Fluency Disorders*. Three semester hours.

This course will introduce the undergraduate student to two of the major classifications of speech disorders, those of voice and fluency. Voice disorders will be discussed with both physical and psychological etiologies. The student will learn remediation measures for various voice disorders. Fluency disorders will be discussed in terms of stuttering and cluttering. Theories of the etiology and intervention strategies will be covered.

CSDO 4331 *Speech and Hearing Science*. Three semester hours.

This course is designed to introduce the student to the scientific underpinnings of communication sciences and disorders.

CSDO 4333 *Normal Language Acquisition*. Three semester hours.

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. Prerequisite: Admission to the College of Education and 2.7 overall grade point average. (Cross-listed with PSYC 4306)

CSDO 4335 *Language Disorders in Children and Adults*. Three semester hours.

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 individuals. Both developmental and acquired disorders of the language system are introduced. Prerequisite: CSDO 4333.

CSDO 4336 *Adult Neurogenic and Language Disorders*. Three semester hours.

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. Prerequisite: CSDO 3305.

CSDO 5301 *Research in Communication Sciences and Disorders*. Three semester hours.

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*. Three semester hours.

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 Issues and Intervention for Persons with Autism Spectrum Disorders*. Three semester hours.

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. Prerequisite: Graduate standing.

CSDO 5307 *Augmentative and Alternative Communication*. Three semester hours.

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. Prerequisite: Graduate standing.

CSDO 5310 *Assessment of Communication Disorders of Culturally and Linguistically Diverse Populations*. Three semester hours.

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 Practicum in Speech/Language Pathology*. Three semester hours.

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*. Three semester hours.

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.

EDUCATIONAL ADMINISTRATION AND SUPERVISION (EDAM)

EDAM 5301 *School Administration*. Three semester hours.

Organizational theories are examined. The course focuses on organizational leadership, problem solving, and decision-making techniques, their characteristics, and their applications. Prerequisites: Graduate standing and departmental admission approval.

EDAM 5305 *Organization and Evaluation of Curriculum*. Three semester hours.

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. Prerequisite: EDAM 5301.

EDAM 5313 *Public School Finance*. Three semester hours.

The purpose of this course is to provide an in-depth study of finance and budgeting for schools and school systems. Prerequisite: Phase I Core Courses: EDAM 5301, EDAM 5305, EDAM 5320, EDGR 5308, and EDGR 5320.

EDAM 5317 *Special Topics: Contemporary Problems in School Administration*. Three semester hours.

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. Prerequisite: Master's degree in Educational Administration or equivalent.

EDAM 5320 *Principalship*. Three semester hours.

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. Prerequisites: EDAM 5301 and EDAM 5305.

EDAM 5321 *Leadership in Technology for School Administrators*. Three semester hours.

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: Phase I Core Courses: EDAM 5301, EDAM 5305, EDAM 5320, EDGR 5308, and EDGR 5320.

EDAM 5322 *Public School Law*. Three semester hours.

This course includes the legal basis for education, with special emphasis on the federal and state educational provisions. Prerequisites: EDAM 5301, EDAM 5305 and EDGR 5308.

EDAM 5323 *Critical Issues in Education*. Three semester hours.

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 5332 or EDAM 5338.

EDAM 5324 *Administration of School Personnel and Law*. Three semester hours.

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 5332, EDAM 5327.

EDAM 5325 *Research in Learning and Teaching*. Three semester hours.

This course will include a general survey of learning theories and practices in relation to teacher behavior in the classroom. Instructional Leadership Development (ILD) training required of practicing school administrators is offered in the course content. Prerequisites: Phase I Core Courses: EDAM 5301, EDAM 5305, EDAM 5320, EDGR 5308, and EDGR 5320. Evaluation of performance in this course is on CR/NC basis.

EDAM 5327 *Advanced Problems in Supervision*. Three semester hours.

The course examines contemporary supervisory processes, problems and research related to effective instructional performance. Participants receive training in teacher appraisal. Prerequisites: Phase I Core Courses: EDAM 5301, EDAM 5305, EDAM 5320, EDGR 5308, and EDGR 5320; and Phase II Core Courses: EDAM 5313, EDAM 5321, EDAM 5322, and EDAM 5325.

EDAM 5329 *The Politics of Education*. Three semester hours.

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 Facilities and Environmental Planning*. Three semester hours.

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 School Administration I*. Three semester hours.

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 one hundred (100) hours of field work. Assignments include the implementation of techniques and styles of administered behavior in three different campus levels by the completion of both practicums I and II. Prerequisite: Master's degree in Educational Administration or equivalent. Evaluation of performance in this course is on CR/NC basis.

EDAM 5336 *Practicum in School Administration II*. Three semester hours.

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 (100) hours of field work completed under the direction of a university professor and a school supervisor. Assignments include the implementation of techniques and styles of administered behavior in at least three different levels by the completion of both practicums I and II. Prerequisites: Master's degree in Educational Administration or equivalent and EDAM 5335.

EDAM 5337 *School Administration Practicum*. Three semester hours.

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: Master's Degree in Educational Administration or equivalent. Fees: \$225.00.

EDAM 5338 *Education of Special Populations*. Three semester hours.

This course focuses on the administration and supervision of special programs. Local policies related to state and federal standards will be examined. Prerequisite: Phase I Core Courses: EDAM 5301, EDAM 5305, EDAM 5320, EDGR 5308, and EDGR 5320; and Phase II Core Courses: EDAM 5313, EDAM 5321, EDAM 5322, and EDAM 5325.

EDAM 5340 *Critical Issues in Education*. Three semester hours.

This course addresses current issues affecting the administration of schools. May be repeated once when topic changes. Prerequisite: Graduate standing.

EDAM 5352 *Public School Business Affairs*. Three semester hours.

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. Prerequisite: Admission to the Superintendency Program.

EDAM 5354 *School Public Relations*. Three semester hours.

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 *Educational Assessment, Research and Practice*. Three semester hours.

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. Prerequisite: Admission to Superintendency Program.

EDAM 5360 *The Superintendency*. Three semester hours.

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*. Three semester hours.

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.

EDAM 5199-5399 *Special Issues in Educational Administration*. One-three semester hours.

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 department chair.

EDAM 5637 *Internship in Clinical Leadership*. Six semester hours.

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. Prerequisite: Master's degree in educational administration or its equivalent. Participants are selected by the sponsoring school district.

EDAM 6317 *Strategies for Teaching in a Culturally Pluralistic Society*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor. (Cross-listed with EDAM 6360)

EDAM 6320 *Foundations of Educational Administration*. Three semester hours.

Selected historical, philosophical and sociological foundations and developmental dimensions of educational administration. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

EDAM 6324 *Administration of Staff Personnel*. Three semester hours.

Personnel organization and administration in school systems; relationship of individual to organization; organizational health, staffing, remuneration, appraisal, ethics, security, in-service and negotiations. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

EDAM 6326 *Administration of Urban Schools*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

EDAM 6330 *Field Action Research*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

EDAM 6334 *Orientation in Business Principles and Procedures*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

EDAM 6349 *Designing and Managing Quality Educational Systems*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

EDAM 6350 *Public School Law*. Three semester hours.

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 students rights, discipline liability, and law associated with equal educational opportunities for various groups including racial and linguistic minorities, individuals with disabilities, and women. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

EDAM 6352 *Education Politics, Law and Policy*. Three semester hours.

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. Prerequisite: Approval by TAMIU doctoral program advisor.

EDAM 6360 *Proseminar: Analysis of Critical Issues in Education*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor. (Cross-listed with EDCI 6317)

EDAM 6399 *Special Issues in Educational Administration*. Three semester hours.

This course examines timely topics of concern to educators involved in making educational administration decisions. May be repeated once when the topic changes. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisites: Graduate standing and permission of department chair.

BILINGUAL EDUCATION/ENGLISH AS A SECOND LANGUAGE (EDBE)

EDBE 3322 *Dual Language Assessment and Development*. Three semester hours. (FL/SP)

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. A grade of 'C' or better must be earned to successfully complete the course. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, SPAN 3300. Corequisite: EDCI 3301.

EDBE 3325 *Theories of Second Language Learning, EC-6*. Three semester hours.

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 for grades EC-4. A grade of 'C' or better must be earned to successfully complete the course. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, EDCI 3301.

EDBE 3326 *Theories of Second Language Learning, 4-12*. Three semester hours.

This course focuses on the behavioristic and cognitive theories of second language learning and acquisition as they apply to adolescents and young adults. Characteristics of adult and child learning as well as English as a Second Language (ESL) strategies are evaluated for grades 4-12. Prerequisite: Admission to the College of Education.

EDBE 3338 *Teaching Math and Science in Spanish*. Three semester hours. (SP)

This course is design to assist beginning middle school teachers in organizing instruction in math and science. The major focus is on methods to include research, instructional and learning styles, technology, and evaluation of student performance. Conducted in English and Spanish. Prerequisite: Admission to the College of Education.

EDBE 3340 *Teaching Social Studies and Health in Spanish*. Three semester hours. (SP)

This course is designed to assist beginning middle school teachers in organizing instruction in social studies and health. The major focus is on methods to include research, instructional and learning styles, technology, and evaluation of student performance. Conducted in English and Spanish. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDBE 4310 *Foundations of Bilingual Education*. Three semester hours.

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. A grade of 'C' or better must be earned to successfully complete the course. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDBE 4334 *Teaching the Content Areas in a Dual Language Environment*. Three semester hours.

The course focuses on developing the knowledge and skills required of bilingual teachers in quality ECE-4 dual language settings. The course is conducted in Spanish and English. Participants will engage in developing lesson plans in the areas of math, science and social studies and design activities that target critical thinking skills. A grade of 'C' or better must be earned to successfully complete the course. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, EDCI 3301, and at least 9 semester hours of 3-4000 level Spanish.

EDBE 4335 *Teaching the Content Areas in the Dual Environment, 4-8 Bilingual*. Three semester hours. (FL/SP)

This course is designed to assist teachers in the middle school to organize, design and deliver content area instruction in the dual language setting. Prerequisite: Admission to the College of Education; oral and written proficiency in Spanish; and 2.7 overall grade point average.

EDBE 4336 *Language Arts in Spanish*. Three semester hours.

This course is a study of the methods and techniques for teaching language arts in Spanish to the bilingual child. Special attention will be given to the diagnosis of reading competence to ensure successful transition into English reading. A grade of 'C' or better must be earned to successfully complete the course. Prerequisite: Admission to the College of Education, 2.7 overall grade point average, EDCI 3301, EDRD 4317, and at least 9 semester hours of 3-4000 level Spanish.

EDBE 4199-4399 *Issues in Bilingual Education*. One-three semester hours. (FL-Odd)

This course examines current topics in bilingual education. May be repeated once when topic changes. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDBE 5110-5310 *History and Philosophy of Bilingual Education*. One-three semester hours.

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. Prerequisite: Graduate standing.

EDBE 5322 *Bilingual Oral Language Assessment and Development*. Three semester hours.

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. Prerequisites: Graduate standing with six semester hours of advanced education.

EDBE 5324 *Bilingual/Multicultural Teaching Strategies*. Three semester hours.

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. Prerequisite: Graduate standing.

EDBE 5325 *Teaching English as a Second Language*. Three semester hours.

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. Prerequisite: Graduate standing.

EDBE 5326 *Teaching Reading and Language Arts in Spanish*. Three semester hours.

Strategies for providing developmentally appropriate emergent literacy and holistic instruction will be presented. The selection of appropriate materials and authentic assessment will be included. Conducted in English and Spanish. Prerequisite: Graduate standing.

EDBE 5190-5390 *Special Issues in Bilingual Education*. One-three semester hours.

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.

GENERAL EDUCATION (EDCI)

EDCI 1301 *Introduction to the Teaching Profession*. Three semester hours.

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 PK-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.

EDCI 3110 *Theory and Practice for Public School Teaching II*. One semester hour.

This is a field experience course based on the foundations of EDCI 3210 that focuses on effective pedagogy and technology. Feedback will be given to participants by faculty, mentors, and field supervisors. Forty (40) clock hours of field experiences in an assigned public school are required. A grade of "C" or better must be earned to successfully complete the course. Prerequisite: EDCI 3210. Course fee: \$25.

EDCI 3120 *Language Acquisition and Development II*. One semester hour.

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. Pre-requisite: EDCI 3220. Course fee: \$12.50.

EDCI 3210 *Theory and Practice for Public School Teaching I*. Two semester hours.

This course is considered an early block 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. A grade of "C" or better must be earned to successfully complete the course. Open to freshman and sophomore students only, offered only during the fall semester. Course fee: \$50.

EDCI 3220 *Language Acquisition and Development I*. Two semester hours.

This course focuses on the teaching strategies for 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. A grade of "C" or better must be earned to successfully complete the course. Prerequisite: EDCI 3210 and EDCI 3110. Course fee: \$25.

EDCI 3301 *Theory and Practice for Public School Teaching*. Three semester hours. (FL/SP)

This is a study of basic theories and principles of pedagogy with an emphasis on developmentally appropriate practices and instructional materials and strategies based on current research and the Learner-Centered Proficiencies. Lesson planning and a variety of authentic assessment techniques in specific content areas as specified by TEKS for children PK-12 will also be emphasized. Technology applications such as Angel, PowerPoint, word processing, scanning, and hyper-linking will be used to help students develop an e-portfolio and complete other assigned tasks. Students will participate in 40 contact hours of field-based activities will enable students to link theory to practices through a variety of projects in age and developmentally appropriate school settings. A grade of "C" or better must be earned to successfully complete the course. Prerequisite: Admission to the College of Education, 2.7 overall grade point average, and consent of department chair. Corequisite: EDCI 3302, EDBE 3322 or EDRD 3302. Course fee: \$75.00.

EDCI 3302 *Language Acquisition and Development*. Three semester credit hours.

This course will focus on issues in second language acquisition and both theory and practice in teaching English as a Second Language through K-12 content areas. A grade of "C" or better must be earned to successfully complete the course. Prerequisite: Admission to College of Education, 2.7 overall grade point average, and a 2.7 grade point average in the area of specialization. Corequisite: EDCI 3301.

EDCI 3304 *Methods, Management and Discipline*. Three semester hours. (FL/SP)

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. 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. This field based course will be taken as part of Block II component and will require 77 contact hours that will be completed at a partner school. A grade of "C" or better must be earned to successfully complete the course. Prerequisite: 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 and consent of department chair. Corequisite: EDDP 4324. Course fee: \$75.00.

EDCI 3309 *Theory and Practice of Classroom Guidance*. Three semester hours.

This course will provide the prospective teacher a variety of survival counseling skills appropriate in the PK-12 classroom environment. Specific emphasis will include: (1) basic conceptualization and intervention strategies designed to keep students in the classroom, (2) recognition of behaviors and conditions justifying referrals, (3) appropriate referral sources and what to expect from them, and (4) practical techniques to minimize teacher distress and maximize personal and professional wellness. The course is designed to increase the probability of experiencing success in the first year of teaching and persisting in the profession. A grade of "C" or better must be earned to successfully complete the course. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDCI 4199-4399 *Issues in Curriculum and Instruction*. One-three semester hours.

This course examines current topics in curriculum and instruction. May be repeated once when topic changes. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDCI 4398 *Senior Practicum.* Three semester hours. (FL/SP)

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. Students must earn a "C" or better to successfully complete the course. Prerequisite: Admission to the College of Education, completion of Block II, an overall grade point average of 2.7, and a 2.7 grade point average in the area of specialization and consent of department chair. Course fee: \$75.00.

EDCI 4993 *Student Teaching.* Nine semester hours. (FL/SP)

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. Students must earn a "C" or better to successfully complete the course. Prerequisite: Admission to the College of Education, completion of Block II, 2.7 overall grade point average, and a 2.7 grade point average in the area of specialization and consent of department chair. Course fee: \$75.00.

EDCI 5101 *Early School Practicum.* One semester hour.

Post baccalaureate students will be under the supervision of a university professor as they make pre-instructional, instructional and post-instructional decisions as they teach. Field activities required of EDCI 5201 will be monitored and immediate feedback will be shared with students and mentor teacher. Student must earn a "C" or better to successfully complete the course. Prerequisite: EDCI 5300 and EDCI 5201 or EDCI 5202. May not be taken with EDCI 5201 or EDCI 5202; restricted to post-baccalaureate students working toward certification. Course fee: \$250.

EDCI 5102 *Middle School Practicum.* One semester hour.

Post-baccalaureate students will be under the supervision of a university professor as they make pre-instructional, instructional and post-instructional decisions as they teach. Field activities required of EDCI 5201 will be monitored and immediate feedback will be shared with students and mentor teacher. Students must earn a "C" or better to successfully complete the course. Prerequisite: Admission to the College of Education; this field-based course must be taken concurrently with EDCI 5201; enrollment restricted to post-baccalaureate students admitted in a program leading to teaching licensure. Course fee: \$250.

EDCI 5103 *Teaching Practicum for 4-12 Grade Teachers.* One semester hour.

Post-baccalaureate students will be under the supervision of a university professor as they make pre-instructional and post-instructional decisions as they teach. Field activities required of EDCI 5202 will be monitored and immediate feedback will be shared with students and mentor teacher. Students must earn a "C" or better to successfully complete the course. Prerequisite: Admission to the College of Education; this field-based course must be taken concurrently with EDCI 5202; enrollment restricted to post-baccalaureate students admitted in a program leading to teaching licensure. Course fee: \$250.

EDCI 5201 *Early Methods and Management of Diverse Populations.* Two semester hours.

Intended to assist induction year teachers develop a sound understanding of ECE-4 Learner-Centered Proficiencies; ethical and legal aspects of teaching as mandated by TAC rule 230.19; developmentally appropriate practices, and TEKS implementation. Developing an understanding of how student diversity affects and influences instruction will be emphasized. Students must earn a "C" or better to successfully complete the course. Prerequisite: Admission to the Educator Preparation Program and EDCI 5300. Restricted to post-baccalaureate students working toward certification. Course fee: \$250.

EDCI 5202 *Middle/Secondary School Pedagogy and Applications.* Two semester hours.

This course is intended to assist induction year teachers develop a sound understanding of 4-12 Pedagogy and Professional Responsibilities Standards; ethical and legal aspects of teaching as mandated by TAC rule 230.191; developmentally appropriate practices, and TEKS implementation. Developing an understanding of how student diversity affects and influences instruction will be emphasized. Students must earn a "C" or better to successfully complete the course. Prerequisite: Admission to the Educator Preparation Program and EDCI 5300. Restricted to post-baccalaureate students working toward certification. Course fee: \$250.

EDCI 5300 *Teaching and Learning Principles in the Public School.* Three semester hours.

This is an in-depth study of theories and principles with an emphasis on child development and appropriate instructional strategies based on current research and developmentally appropriate practices. Instructional materials and multifaceted authentic assessment techniques in specific content areas as specified in the TEKS for children PK-12 will be emphasized. Students must earn a "C" or better to successfully complete the course. Prerequisite: Admission to the College of Education. Course fee: \$200.

EDCI 5305 *Advanced Curriculum Issues in the Elementary School*. Three semester hours.

Students will examine the current trends and research in the elementary school curriculum. An action research project will be designed, executed, and reported. Prerequisite: Graduate standing.

EDCI 5307 *Advanced Techniques of Curriculum Writing*. Three semester hours.

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. Prerequisite: Graduate standing.

EDCI 5311 *Advanced Curriculum Issues in the Secondary School*. Three semester hours.

Centers around the development of a research interest in the broad field of curriculum and 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. Prerequisite: Graduate standing.

EDCI 5313 *Foundations of Curriculum*. Three semester hours.

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 of 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. Prerequisite: Graduate standing.

EDCI 5315 *Advanced Instructional Methods*. Three semester hours.

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 course development and delivery. Alternative assessment design, technology delivery of instruction, techniques for authentic instruction, and other concepts will be incorporated into the final project. Prerequisite: Graduate standing.

EDCI 5317 *Evaluation of Curriculum and Instruction*. Three semester hours.

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. Prerequisite: Graduate standing.

EDCI 5319 *Advanced Theories for Learning*. Three semester hours.

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. Prerequisite: Graduate standing.

EDCI 5329 *Research Design and Statistics in Curriculum and Instruction*. Three semester hours.

This course prepares students in the foundations of the design and qualitative/quantitative analysis of research in field-related settings. Focus is on developing a working knowledge of research for use in different types of school settings and an understanding of research frameworks for developing a graduate thesis. Students will identify a research topic and write a thesis proposal. Prerequisite: Completion of a minimum of twenty-one (21) semester credit hours toward the Master's Degree with an overall average of 3.00.

EDCI 5330 *Thesis Writing in Curriculum and Instruction*. Three semester hours.

A continuation of EDCI 5329, graduate students are supervised in their research and as they develop and complete a field-related thesis. Research and writing techniques are reinforced and refined to meet graduate committee examination standards. To receive credit in the course, students must complete the thesis. Prerequisite: EDCI 5329. If grade of IP received, student must enroll again for credit.

EDCI 5340 *Measurement and Assessment in Education*. Three semester hours.

Course examines educational assessment; issues involving reliability, validity, and bias; construction of different types of tests, performance assessments, and portfolios for specific purposes; use of assessment data for defined purposes; and best practices in educational assessment. Prerequisite: Graduate standing.

EDCI 5199-5399 *Special Issues in Curriculum and Instruction*. One-three semester hours.

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 6315 *Evaluation of Curriculum and Instruction*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ed.D. program. Prerequisite: Doctoral Classification.

EDCI 6335 *Advanced Qualitative Methods*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

EDCI 6337 *Advanced Quantitative Research*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Approval by TAMIU doctoral program advisor.

COUNSELING EDUCATION (EDCU)

EDCU 5304 *Introduction to Counseling*. Three semester hours.

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. Prerequisites: Graduate standing and six hours of advanced education coursework.

EDCU 5305 *Personality and Counseling Theories*. Three semester hours.

Required to be taken within the first nine (9) semester hours of program acceptance. 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 *Appraisal Techniques in Child and Adolescent Counseling*. Three semester hours.

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.

EDCU 5307 *School Counseling*. Three semester hours.

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.

EDCU 5308 *Career Development and Life Planning*. Three semester hours.

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.

EDCU 5309 *Counseling Diverse Populations*. Three semester hours.

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.

EDCU 5314 *Pre-Practicum Skills and Techniques*. Three semester hours.

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. Prerequisite: EDCU 5305.

EDCU 5315 *Group Counseling*. Three semester hours.

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. Prerequisite: PSYC 5303 or permission of instructor. Interchangeable with PSYC 5315.

EDCU 5316 *School Counseling Practicum*. Three semester hours .

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. Prerequisites: EDCU 5305, EDCU 5314, EDCU 5315 and all remaining required coursework with the exception of EDCU 5317, or consent of the instructor.

EDCU 5317 *School Counseling Internship (Part A)*. Three semester hours.

Practical experience will be gained in a school setting under supervision of a qualified on-site school 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 5305, EDCU 5314, EDCU 5315, EDCU 5316, all remaining coursework on the degree plan, or consent of the instructor.

EDCU 5318 *School Counseling Internship (Part B)*. Three semester hours.

Practical experience will be gained in a school setting under supervision of a qualified on-site school 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 5305, EDCU 5314, EDCU 5315, EDCU 5316, EDCU 5317, all remaining coursework on the degree plan, or consent of the instructor.

EDCU 5397 *Professional Paper*. Three semester hours.

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 5199-5399 *Special Issues in Counseling*. One-three semester hours.

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.

DIVERSE POPULATIONS (EDDP)

EDDP 4324 *Teaching Diverse Student Populations*. Three semester hours.

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. Students must earn a grade of "C" or better to successfully complete the course. Prerequisite: 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. Corequisite: Must be taken with EDCI 3304.

EDDP 4199-4399 *Issues in the Education of Diverse Populations*. One-three semester hours. (SP-Even)

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. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDDP 5327 *Educating Diverse Population: Teaching Diverse Students*. Three semester hours.

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. Prerequisite: Graduate standing.

EDDP 5190-5390 *Issues in the Education of Diverse Populations*. One-three semester hours.

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.

EARLY CHILDHOOD EDUCATION (EDEC)

EDEC 1304 *Play and Play Environments*. Three semester hours. (FL/SS)

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.

EDEC 1308 (TECA 1303) *Parenting Skills*. Three semester hours. (SP/SS)

An in-depth exploration of child-rearing practices and family systems. Examines all aspects of family life, including social, economic and personal problems confronting parents. Special emphasis will be given to identifying healthy parent-child interaction patterns.

EDEC 2324 (TECA 1354) *The Young Child*. Three semester hours. (FL/SS)

This course provides an analysis of major theories and principles of development and learning as they relate to aesthetic, cognitive, linguistic, social, emotional, and physical development.

EDEC 2328 (TECA 1311) *Survey of Early Childhood Education*. Three semester hours. (SP)

This course provides an understanding of the foundations of early childhood education emphasizing philosophy, theory, history, and types of programs.

EDEC 3363 *Expressive Arts for the Young Child*. Three semester hours. (SP/SS-Even)

The course provides an understanding of the theoretical principles underlying aesthetic expression and appreciation through the visual arts, music and creative dramatics and their application to the instruction of young children. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: EDEC 1304, EDEC 2324, admission to the College of Education and 2.7 overall grade point average.

EDEC 3364 *Mathematics and Science Principles for Young Children*. Three semester hours. (SP/SS-Even)

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. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: EDEC 1304 and 2324, admission to the College of Education and 2.7 overall grade point average.

EDEC 3374 *Social Studies Principles for EC-Grade 6*. Three semester hours.

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. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: EDEC 2324, admission to the College of Education and 2.7 overall grade point average.

EDEC 3384 *Science Principles for EC-Grade 6*. Three semester hours.

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. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: EDEC 2324, admission to the College of Education, and 2.7 overall grade point average.

EDEC 3394 *Mathematics Principles for EC-Grade 6*. Three semester hours.

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. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: EDEC 2324, MATH 1350 (C or better), admission to the College of Education, and 2.7 overall grade point average.

EDEC 4362 *Language and Literacy for the Young Child*. Three semester hours. (FL/SP/SS-Odd)

This course provides an understanding of the underlying theoretical principles and developmental patterns related to the acquisition of language and literacy. Authentic assessment of children's progress in literacy development is emphasized. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: EDEC 2324, admission to the College of Education and 2.7 overall grade point average.

EDEC 4366 *Curriculum and Materials in EC-Grade 6*. Three semester hours. (FL/SP/SS-Odd)

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. 60% or more of the course grade will be devoted to the evaluation of written work, including writing assignments, research projects, and exams. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: EDEC 4362, admission to the College of Education and 2.7 overall grade point average.

EDEC 4199-4399 *Issues in Early Childhood Education*. One-three semester hours.

This course examines current topics in early childhood education. May be repeated once when topic changes. A grade of "C" or better must be earned to successfully complete the course. Prerequisite: Admission to the College of Education, 2.7 overall grade point average and permission of instructor.

EDEC 5324 *Advanced Study of the Young Child*. Three semester hours.

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. Prerequisite: Graduate standing.

EDEC 5328 *Survey of Early Childhood Education*. Three semester hours.

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. Prerequisite: Graduate standing.

EDEC 5351 *Special Problems Seminar in Early Childhood Education*. Three semester hours.

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 *Curriculum and Materials for Early Childhood Educators*. Three semester hours.

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*. Three semester hours.

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.

EDEC 5365 *Practicum in Early Childhood Education*. Three semester hours.

This course includes a project assignment in an early childhood education classroom or supervisory capacity for the purpose of practical application and implementation of early childhood education methodology. Work to be completed under the supervision of a University professor. Prerequisites: Graduate standing and EDEC 5324.

EDEC 5190-5390 *Special Issues in Early Childhood Education*. One-three semester hours.

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.

FITNESS AND SPORTS (EDFS)

EDFS 1101 *Aerobic Activities*. One semester hour. (FL/SP/SS)

A variety of activities to strengthen the heart, lungs, and vascular system. One hour lecture and one hour laboratory per week.

EDFS 1102 *Team Activities*. One semester hour.

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 1104 *Beginner Swimming*. One semester hour. (SS)

Instruction in the fundamentals of swimming for beginners. Two class hours per week. Course fee: \$30.

EDFS 1111 *Weight Training and Conditioning*. One semester hour. (FL/SP)

Individualized conditioning programs to improve muscle strength, flexibility, and endurance. Cardiopulmonary endurance will be developed through exercises. Two class hours per week.

EDFS 1130 *Beginning Golf*. One semester hour. (SP)

Instruction and practice in the basic skills of golf. Students may be required to pay a fee for use of the golf course. Course fee: \$30. Two class hours per week.

EDFS 1131 *Beginning Baseball*. One semester hour.

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.

EDFS 1132 *Beginning Softball*. One semester hour.

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.

EDFS 1133 *Beginning Basketball*. One semester hour.

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.

EDFS 1134 *Beginning Soccer*. One semester hour.

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.

EDFS 1135 *Beginning Volleyball*. One semester hour.

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.

EDFS 1139 *Beginning Tennis*. One semester hour.

Instruction and practice in the basic skills of tennis. Two class hours per week. (Formerly EDFs 1143)

EDFS 1152 *Health and Wellness*. One semester hour. (FL/SP/SS)

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.

EDFS 1173 *Varsity Athletics*. One semester hour.

Participation in varsity athletics through regularly scheduled practice sessions and games.

EDFS 2300 *Physical Fitness*. Three semester hours. (FL)

This course focuses on total fitness of the individual, including physical and health related fitness, weight control, and personal wellness. Prerequisite: Enrollment restricted to Fitness and Sports Majors.

EDFS 2301 (PHED 1301) *Foundations of Fitness and Sports.* Three semester hours. (FL)

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. Prerequisite: Enrollment restricted to Fitness and Sports Majors.

EDFS 2303 *Athletic Training.* Three semester hours. (SP/SS)

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. Prerequisite: BIOL 1470 or BIOL 2401; enrollment restricted to Fitness and Sports Majors.

EDFS 2310 (PHED 1308) *Officiating.* Three semester hours.

This course deals with elements of current rules and mechanics of officiating.

EDFS 2316 (TECA 1318) *Health and Movement.* Three semester hours. (FL/SP/SS)

This course introduces the student to the development and process of movement skill acquisition in children and methods to provide movement and health practices in the classroom. This course will not satisfy the 1 hour activity or wellness course required in the core curriculum.

EDFS 2325 (PHED 1306) *First Aid.* Three semester hours. (FL)

This course trains students in American Red Cross First Aid/Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillation (AED) procedures, including ways to prevent back injuries, heart attacks, slips, trips, falls, and workplace violence. Also emphasized are ergonomics and stress management. Upon completion of the course, students will earn a three-year American Red Cross First Aid/AED certificate and a one-year CPR certificate.

EDFS 3300 *Exercise Physiology.* Three semester hours. (FL)

The focus of the course is on the basic physiological adaptations to exercise. Prerequisites: BIOL 1470 or BIOL 2401, junior standing, admission to the College of Education and 2.7 overall grade point average.

EDFS 3301 *Coaching.* Three semester hours. (FL)

This course deals with elements of current rules and mechanics of officiating individual person sports. Prerequisites: Junior standing, admission to the College of Education and 2.7 overall grade point average.

EDFS 3305 *Teaching Physical Education.* Three semester hours. (FL)

This course will prepare the student to teach a variety of physical education activities including, but not limited to volleyball, archery, basketball and soccer. Prerequisites: Junior standing, admission to the College of Education.

EDFS 4300 *Biomechanics.* Three semester hours. (SP/SS)

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. Prerequisites: BIOL 1470 or BIOL 2401, EDFS 3300, junior standing, admission to the College of Education and 2.7 overall grade point average.

EDFS 4301 *Tests and Measurements.* Three semester hours. (FL/SS)

This course is designed to provide the student information and skills necessary for measuring and evaluating a variety of physical fitness components. Prerequisites: EDFS 3300, BIOL 1470 or BIOL 2401, junior standing, admission to the College of Education and 2.7 overall grade point average.

EDFS 4302 *Advanced Athletic Training.* Three semester hours.

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. Prerequisite: EDFS 2303 or equivalent course approved by advisor.

EDFS 4303 *Therapeutic Modalities.* Three semester hours.

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. Prerequisite: EDFS 2303 or equivalent course approved by advisor.

EDFS 4305 *Adapted Physical Activity*. Three semester hours. (SP)

The course deals with the identification of problems within the psychomotor domain and the development of strategies for remediating these problems. Prerequisites: BIOL 1470, EDFS 3300, EDFS 4300, junior standing, admission to the College of Education and 2.7 overall grade point average.

EDFS 4307 *Sports Management*. Three semester hours. (SP/SS)

This course deals with the development of local, state, and national policies concerning athletic eligibility, contest management, and other managerial concerns. Prerequisites: Senior standing, admission to the College of Education and 2.7 overall grade point average.

EDFS 4199-4399 *Issues in Kinesiology*. One-three semester hours.

Current issues and topics in kinesiology will be examined. May be repeated once when topic changes. Prerequisites: Senior standing, admission to the College of Education and 2.7 overall grade point average.

EDFS 5305 *Exercise, Nutrition and Energy Metabolism*. Three semester hours.

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 human performance will be discussed. Prerequisite: EDFS 3300 or equivalent course approved by graduate advisor.

EDFS 5311 *Performance Enhancement in Sports*. Three semester hours.

This course will examine the mechanisms by which athletes can exceed their perceived physical limitations. Strategies such as visualization, meditation, hypnosis, autogenic training, biofeedback, and progressive relaxation will be examined. Prerequisite: PSYC 2301 or equivalent course approved by graduate advisor.

EDFS 5321 *Pedagogical Research on Teaching Physical Education*. Three semester hours.

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. Prerequisite: EDFS 2301 or equivalent course approved by graduate advisor.

EDFS 5323 *Curriculum in Physical Education*. Three semester hours.

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. Prerequisite: EDFS 2301 or equivalent course approved by graduate advisor.

GENERAL GRADUATE EDUCATION (EDGR)

EDGR 5308 *History and Philosophy of Education*. Three semester hours.

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 *Foundations of Educational Research*. Three semester hours.

This course provides the competencies required for a critical understanding, evaluation, and utilization of published educational research. The course covers 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. Pre-requisite: Graduate Standing.

EDGR 5330 *Thesis*. Three semester hours.

The students in this course are provided opportunities for the satisfactory completion and defense of the thesis. This course is taken for credit or non-credit. Prerequisite: Approval of major advisor. If grade of IP is received, student must continuously enroll until the thesis is satisfactorily completed. Failure to enroll results in a grade change to 'F'.

HEALTH AND WELLNESS (EDHW)

EDHW 3340 *Healthy Lifestyles*. Three semester hours.

This course includes an in-depth analysis of selected topics of personal health with an emphasis on the application of knowledge to professional practice. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDHW 3341 *Health Issues of Diverse Populations*. Three semester hours.

This course addresses factors that influence the excess morbidity and mortality of minority populations. Issues that will be addressed include an understanding of a culture's influence on the adaptation of health practices, as well as health indicators for diverse populations in Texas. Prerequisites: EDHW 3340, admission to the College of Education and 2.7 overall grade point average. (May be taken concurrently with EDHW 3340.)

EDHW 3345 *Chronic and Infectious Diseases*. Three semester hours.

This course deals with the causes, classification, and description of disease as well as the educational aspects of preventive treatment. Prerequisites: EDHW 3340 and EDHW 3341, admission to the College of Education, and 2.7 overall grade point average.

EDHW 4310 *School/Community Health Promotions*. Three semester hours.

Theory and practice in the development and use of creative and traditional health education strategies in schools/community settings; emphasis is given to cognitive, affective and behavior teaching strategies. Prerequisites: EDHW 3340 and EDHW 3341, admission to the College of Education and 2.7 overall grade point average.

EDHW 4315 *Comprehensive Sexual Education*. Three semester hours.

An in-depth study of sexuality education in the classroom. Emphasis on the factors concerning community issues, sex roles, biological and emotional motivations, and their relationship to marriage and family planning. Prerequisites: EDHW 3340 and EDHW 3341, admission to the College of Education and 2.7 overall grade point average.

EDHW 4320 *Substance Abuse Education*. Three semester hours.

This course covers the basic knowledge and understanding of the physiological, psychological, social, environmental, and behavioral aspects of drug abuse. Emphasis will be placed on preparing teachers to integrate substance abuse into existing curriculum. Prerequisites: EDHW 3340 and EDHW 3341, admission to the College of Education and 2.7 overall grade point average.

INSTRUCTIONAL TECHNOLOGY

EDIT 1300 *Multimedia*. Three semester hours.

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 Technology Applications*. Three semester hours.

This 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 *Instructional Design and Theory*. Three semester hours.

Established and emerging theories of instructional design are explored and evaluated. The emphasis is on the process of instructional design and the underlying theories that guide the design and development process. Established theories, based on behavioral and information processing theory, and emerging theories based on cognitive constructivist, social constructivist, and critical theory are examined. The course will demonstrate a wide range of Internet tools for access and retrieval of information and teaching materials. Emphasis will be placed on the relationship between theory and practice.

EDIT 5310 *Instructional Technology and the Social Sciences.* Three semester credit hours.

Relates social science theories such as behaviorism, information theory, systems theory, and the constructivism of Piaget and Vygotsky to theories of instructional design and development such as anchored instruction, authentic instruction and assessment, cognitive flexibility theory, fuzzy logic theory, participatory development models, and recursive design.

EDIT 5320 *Integrating Technology into the Curriculum.* Three semester credit hours.

Practical integration of technology into the curriculum, with emphasis on the theoretical, experiential, and critical components of design. The course will develop a rubric for content-appropriate planning, teaching, assessment, and management strategies. Also included are the evaluation of educational technology tools and the design of technology-enhanced environments for new teaching and learning roles. This course also includes theories of adult learning and mentoring and their application in field-based settings.

EDIT 5322 *Technology Applications for Secondary Mathematics and Science Teachers.* Three semester hours.

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 *Courseware and Presentation Tools.* Three semester credit hours.

This course presents students with an overview of a range of software applications with which they can develop educational and instructional materials. The course provides a conceptual framework for understanding software design as well as the opportunity for hands-on experience with a variety of software packages. In addition, students will design an instructional module that is materials-centered rather than teacher-mediated and can be shared and used in real educational settings. Students will explore the primary methods of computer-based instruction, and the major components of instructional development through print-based and internet resources. Prerequisite: Three semester hours of graduate level EDIT or permission of instructor.

EDIT 5340 *Project Based Web Design and Development.* Three semester hours.

Instructional technology course using principles of information design to create instructional web sites. The Course is designed as a research- and theory-based experience for students who have completed the introductory instructional technology courses; understand basic Internet concepts such as Web protocols and HTML. Topics covered in the class include hardware, web server issues, multimedia and the web, style sheets, cross-browser/platform coding issues, an introduction to web scripting, exposure to advanced web technologies as well as an exploration of user interface design topics and accessibility. Students will create a personal web site demonstrating and understanding and use of the course topics. Prerequisites: One course from the following: EDIT 5300, EDIT 5310, EDIT 5320, EDIT 5330 or permission of instructor.

EDIT 5350 *Seminar in Instructional and Assistive Technology.* Three semester hours.

Students investigate the ways in which technology is used to support the educational process. In doing so, students will explore such topics as new ways of teaching and learning with technology, technology and educational reform, research and assessment of technology and obstacles to technology use. Emphasis will be placed on existing and innovative uses of assistive technology, issues involving the Americans with Disabilities Act (ADA), and course and web site compliance with accessibility laws and regulations. Students will design a web based teaching unit that is accessible under the accessibility guidelines as published in w3.org. Prerequisite: EDIT 5340 or permission of instructor.

EDIT 5360 *Collaborative Design of Visual Multimedia and Print-Based Materials.* Three semester hours.

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. Prerequisite: Six semester hours of graduate level EDIT coursework or permission of instructor.

EDIT 5370 *Instructional Applications of Interactive Video.* Three semester credit hours.

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. Prerequisite: Six semester hours of graduate level EDIT coursework or permission of instructor.

KINESIOLOGY (EDKN)

EDKN 5301 *Advanced Exercise Physiology*. Three semester hours.

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. Prerequisite: EDFS 3300 or equivalent course approved by graduate advisor. (Formerly EDFS 5301)

EDKN 5303 *Physiology of Aging*. Three semester hours.

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. Prerequisite: EDFS 3300 or equivalent course approved by graduate advisor. (Formerly EDFS 5303)

EDKN 5307 *Exercise and Chronic Disease*. Three semester hours.

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. Prerequisite: EDFS 3300 or equivalent course approved by graduate advisor. (Formerly EDFS 5307)

EDKN 5313 *Applied Sports Psychology*. Three semester hours.

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. Prerequisite: PSYC 2301 or equivalent course approved by graduate advisor. (Formerly EDFS 5313)

MATH EDUCATION (EDME)

EDME 5310 *Problem-Solving Techniques for Secondary Mathematics Teachers*. Three semester hours.

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 *Issues and Problems in Secondary Mathematics Education*. Three semester hours.

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.

READING (EDRD)

EDRD 3300 *Word Identification*. Three semester hours. (FL-Even)

This course prepares prospective reading teachers to develop students' word identification skills through the teaching of: (1) phonics; (2) structural analysis; and (3) context. A variety of instructional strategies are taught for developing children's abilities to use phonics, structural analysis, and context to aid in word identification and the development of fluency in reading. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDRD 3302 *Literacy and Language Acquisition*. Three semester hours. (FL/SP)

This course will focus on the critical multicultural perspectives on the acquisition and development of reading and writing of young children who represent bilingual multicultural backgrounds. Emphasis on the complexities of second language acquisition and development of the ways in which teachers can help language learners in the process of acquiring the language skills needed for schooling and academic success will be emphasized. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: Admission to College of Education, 2.7 overall grade point average, and a 2.7 grade point average in the area of specialization. Corequisite: EDCI 3301.

EDRD 3303 *Teaching Reading and Language Arts.* Three semester hours. (FL/SP)

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 earn a grade of “C” or better to successfully complete the course. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDRD 3309 *Teaching Reading in the Schools.* Three semester hours. (FL/SP)

This course is designed to acquaint students with a variety of reading programs to foster early literacy, beginning reading, and content area reading development. Students must earn a grade of “C” or better to successfully complete the course. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDRD 3320 *Content Reading.* Three semester hours. (FL/SS)

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. 60% or more of the course grade will be devoted to the evaluation of written work, including writing assignments, research projects, and exams. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, and successful completion of EDCI 3301.

EDRD 4303 *Special Topics in Secondary Reading: Strategies for Teaching Reading in the Secondary School.* Three semester hours. (SP)

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. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: Admission to the College of Education and 2.7 overall grade point average.

EDRD 4305 *Reading Materials for Individualized Instruction.* Three semester hours. (FL)

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. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, EDRD 3303 and EDRD 3309 or permission of instructor.

EDRD 4307 *Reading Comprehension.* Three semester hours. (SP)

Theories of comprehension as they pertain to instruction are explored. Students learn a variety of strategies and approaches for teaching reading comprehension to children across grade levels. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: Admission to College of Education, 2.7 overall grade point average, EDRD 3300 and EDRD 3309.

EDRD 4311 *Classroom Diagnosis and Remediation of Reading Difficulties.* Three semester hours. (FL)

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 remediation techniques. Students must earn a grade of “C” or better to successfully complete the course. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, EDRD 3303, EDRD 3309 and EDRD 4305 or equivalent course, or permission of instructor. (Formerly EDRD 3311)

EDRD 4315 *Reading Problems in the Middle and High School.* Three semester hours. (SP)

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. This course is not required for reading majors. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDRD 4317 *Teaching English Literacy from a Spanish Literacy Base.* Three semester hours. (FL/SP/SS)

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. May be taken for graduate credit. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: Admission to the College of Education; oral and written proficiency in Spanish and English; 2.7 overall grade point average, EDCI 3301, EDBE 3325, EDRD 3309 and Spanish 3310, or graduate standing.

EDRD 4330 *Managing and Enhancing Reading Programs*. Three semester hours. (SP-Even)

This course includes the following topics for developing classroom teachers who are reading professionals involved in the assessment and instruction of students; (2) using multiple indicators to determine effectiveness of the literacy curriculum; (3) planning and implementing programs; (4) professional development. Prerequisites: EDRD 3309, 3311, admission to the College of Education and 2.7 overall grade point average.

EDRD 4399 *Issues in Reading*. Three semester hours.

This course examines current topics in the field of reading. May be repeated once for credit when topic changes. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDRD 5303 *Theoretical Models and Processes of Reading*. Three semester hours.

The following processes of reading are explored: language, visual perception, word recognition, comprehension, metacognition, and culture. Additional attention is given to developmental interactive, inferential, transactional-psycholinguistic, and affective models of reading. Prerequisite: Graduate standing.

EDRD 5305 *Content Reading Instruction*. Three semester hours.

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. Prerequisite: Graduate standing.

EDRD 5309 *Theory and Practice of Early Reading Development*. Three semester hours.

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. Prerequisite: Graduate standing.

EDRD 5313 *Design, Implementation and Evaluation of Reading Programs*. Three semester hours.

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 Diagnosis of Reading Difficulties*. Three semester hours.

Students will use formal and informal instruments to diagnose reading problems. Supervised casework is required and reviewed. Thirty hours of lecture and fifteen hours of laboratory are required. This course may be taken as a core course by individuals pursuing the Master Reading Teacher (MRT) Certificate. Course fee: \$15.

EDRD 5321 *Practicum in Diagnosis and Remediation of Reading Difficulties*. Three semester hours.

Students will work closely with personnel from the Reading Research Center in the administration of diagnostic assessment instruments and procedures and in planning and carrying out remedial programs for struggling readers. Prerequisite: EDRD 5319.

EDRD 5323 *Individualized Instruction in Reading*. Three semester hours.

Teaching strategies for individualizing instruction 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. Prerequisites: EDRD 5313 and EDRD 5319.

EDRD 5199-5399 *Special Issues in Reading*. One-three semester hours.

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 *Teaching Reading to Linguistically Diverse Populations*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ed.D. program. Prerequisite: Doctoral standing.

EDRD 6303 *Current Trends and Issues in Literacy and Biliteracy*. Three semester hours.

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. Prerequisite: Doctoral standing.

EDRD 6305 *Research on Assessment and Diagnosis in Reading and Writing*. Three semester hours.

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.

EDRD 6307 *Theoretical Foundations of Reading*. Three semester hours.

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. This course is only applicable to the TAMU Collaborative Ph.D. Program. Prerequisite: Doctoral classification.

SPECIAL EDUCATION (EDSE)

EDSE 3305 *Introduction to Special Education*. Three semester hours. (FL/SP/SS)

A survey of special education with an emphasis on federal and state legislation and litigation as well as mild, moderate, severe, and profound levels in all federally identified areas of disability. Includes observation of individuals with handicapping conditions in varying settings. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDSE 3310 *High Incident Disabilities*. Three semester hours. (FL/SS)

This course will focus on the education of children with mildly disabling conditions. Legal issues relating to mild disabilities will be discussed. These include inclusive education and consultative teaching. Emphasis will also include the characteristics of students with mild disabilities. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDSE 3315 *Low Incident Disabilities*. Three semester hours. (SP/SS)

The educational focus of this course will be on educational programs designed for children with moderate, severe or profound disabilities. Legal issues relating to moderate, severe and profound disabilities will be discussed. Emphasis will also include the characteristics of students with moderate, severe or profound disabilities. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDSE 3320 *Measurement and Evaluation for Special Education*. Three semester hours. (SP/SS)

An overview of assessment principles and procedures, statistical concepts and testing instruments used in special education. Direct experience using assessments will be included. 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. Prerequisite: Admission to the College of Education and 2.7 overall grade point average, EDSE 3310 and EDSE 3315 (may be taken concurrently) or permission of advisor.

EDSE 3324 *Inclusive Practices for the Young Child*. Three semester hours.

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 Education Classrooms*. Three semester hours. (SP/SS) Investigates classroom and behavior management strategies pertaining to special education classrooms. Includes legal implications involving applied behavior analysis and other management issues. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDSE 4315 *Adapting the Curriculum for Special Education*. Three semester hours.
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. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, EDSE 3310 and EDSE 3315 (may be taken concurrently), or permission of advisor.

EDSE 4330 *Special Education Law and Procedures*. Three semester hours. (FL)
This course examines the basic principles of IDEA and special education law with special attention to IEP requirements, conducting case conferences, and discipline. 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, 2.7 overall grade point average, EDSE 3310 and EDSE 3315 (may be taken concurrently), or permission of advisor.

EDSE 4360 *Teaching Children with Emotional Disturbances and Autism*. Three semester hours. (SP)
This course focuses on the role of the teacher in meeting the special needs of children with emotional disturbance and autism. Special attention will be given to behavioral management techniques and inclusionary practices. Prerequisites: Admission to the College of Education, 2.7 overall grade point average, EDSE 3310 and EDSE 3315 (may be taken concurrently), or permission of advisor.

EDSE 4199-4399 *Issues in Special Education*. One-three semester hours. (SS-Even)
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. Prerequisite: Admission to the College of Education and 2.7 overall grade point average.

EDSE 5305 *Survey of Special Education*. Three semester hours.
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. Prerequisite: Admission to the College of Education.

EDSE 5307 *Evidence-Based Practice for Students with Disabilities*. Three semester hours.
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 strategies that are currently validated.

EDSE 5309 *Special Education Law and Ethical Responsibilities*. Three semester hours.
This course provides an overview of disability legislation with an emphasis on the Individuals with Disabilities Education Improvement Act, Sec. 504 of the Rehabilitation Act, and the American 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*. Three semester hours.
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. Prerequisite: EDSE 5305. May be taken concurrently with EDSE 5305.

EDSE 5311 *Issues in Disability Throughout the Lifespan*. Three semester hours.
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 5313 *Introduction to Emotional Disturbances*. Three semester hours.

This class is an introduction to the history of educating children and youth with emotional disturbances. The problems of defining, assessing, and treating emotional disturbances are discussed. The types and causes of emotional disturbances are examined. Prerequisite: Graduate standing.

EDSE 5314 *Educational Programming for Students with Emotional Disturbances*. Three semesters hours.

This class is a survey of educational curricula, procedures and materials for children who are emotionally disturbed. Individual teaching skills and collaborative efforts with parents and professionals in education and community health services are emphasized. Prerequisites: EDSE 5313 and graduate standing.

EDSE 5315 *Survey of Moderate, Severe and Profound Disabilities*. Three semester hours.

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. Prerequisite: EDSE 5305. May be taken concurrently with EDSE 5305.

EDSE 5316 *Introduction to Language for Students with Hearing Impairments*. Three semester hours.

Philosophy underlying various methods of language teaching will be reviewed. Students will compare and contrast various communication strategies. Topics included are interactive language, written language, and reading. Prerequisite: Graduate standing.

EDSE 5317 *History, Psychology and Social Impact of Hearing Impairments*. Three semester hours.

This course examines the historical, cultural, educational and economic forces on people with hearing impairments. The patterns of social change and oppression during the nineteenth and twentieth centuries will be discussed. Specific cultural and historical experiences and literature in the field will be introduced. Prerequisite: Graduate standing.

EDSE 5318 *Teaching Reading and Elementary School Subjects to Students with Hearing Impairments*. Three semester hours.

Various approaches to teaching reading are explored with their application to reading instruction for deaf children. Reading assessment for deaf children will be reviewed as well as reading in other school subjects. Writing behavioral objectives and individual education plans will be included. Prerequisites: EDSE 5316 and graduate standing.

EDSE 5319 *Speech Development for Students with Hearing Impairments*. Three semester hours.

The historical and current views of teaching speech to children with hearing impairments are examined. Current methods are emphasized. The foundational knowledge and practical methodology in teaching spoken English to children with hearing impairments are addressed. Prerequisites: EDSE 5326, EDSE 5318, and graduate standing.

EDSE 5320 *Measurement and Evaluation*. Three semester hours.

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. Prerequisite: Graduate standing. May be taken concurrently with EDSE 5330 and EDSE 5340.

EDSE 5325 *Classroom and Behavior Management of Exceptional Children*. Three semester hours.

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. Prerequisite: Graduate standing.

EDSE 5326 *Management of Students with Emotional Disturbances*. Three semester hours.

This course focuses on behavior modification strategies and cognitive-behavioral interventions for children who are emotionally disturbed. Strategies for assessing and teaching social skills will be examined. Prerequisites: EDSE 5314 and graduate standing.

EDSE 5327 *Practicum in Education of Students with Emotional Disturbances*. Three semester hours.

This course includes a project assignment in a classroom for children who are emotionally disturbed/behavior disordered or supervisory capacity for the purpose of practical application and implementation of methodology designed for children who are emotionally disturbed/behavior disordered. Work to be completed under the supervision of a University professor. Prerequisites: EDSE 5326 and graduate standing.

EDSE 5330 *Academic Achievement Assessment*. Three semester hours.

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. Prerequisites: EDSE 5305, EDSE 5320, and admission in the Educational Diagnostician Program. Laboratory fee: \$75.00

EDSE 5340 *Psychometrics*. Three semester hours.

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. Prerequisites: EDSE 5305, EDSE 5320, and admission in the Educational Diagnostician Program. Laboratory fee: \$75.00.

EDSE 5345 *Practicum in Educational Diagnostics*. Three semester hours.

This course requires the satisfactory completion of a field 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. Experience will include students, school personnel, parents in conferences, and admission free with and dismissal. The practicum student will also be expected to complete a site-based project designed in cooperation with the diagnostician mentor and university supervisor. May be taken concurrently with EDSE 5325. Prerequisites: Completion of at least thirty hours of the required coursework for the master's program, including EDSE 5305, EDSE 5330, and EDSE 5340.

EDSE 5350 *Assessment for Diagnosis and Interventions*. Three semester Hours.

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.

EDSE 5360 *Essential Behavior Principles*. Three semester hours.

This course introduces 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, behavior definitions, reliability and validity, and direct observations are addressed. Prerequisite: EDSE 5325.

EDSE 5361 *Analytic Techniques in Applied Behavior Analysis*. Three semester hours.

This is the second of a three-course sequence. These courses cover academic content required to take the Behavior Analysis Certification Board Examination. This course covers more advanced behavioral principles 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 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 5325 and EDSE 5360.

EDSE 5362 *Research and Applications in Behavior Analysis*. Three semester hours.

This course is the third in a sequence 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 Board. Prerequisites: EDSE 5325, EDSE 5360, and EDSE 5361.

EDSE 5363 *Ethical, Legal and Professional Issues*. Three semester hours.

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. This 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 readings. Also included are “application” questions regarding ethical considerations in those areas where the ethical situations are very, very clear. Prerequisites: EDSE 5325, EDSE 5360, EDSE 5361 and EDSE 5362.

EDSE 5364 *Collaboration and Consultation in Educational Settings*. Three semester hours.

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 memberships, co-teaching, supervision of paraprofessionals, partnerships with families and development of interagency agreements to address the needs of individuals with disabilities.

EDSE 5365 *Special Education Graduate Practicum*. Three semester hours.

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 Behavioral 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 *Introduction to Evidence-Based Intervention in Autism*. Three semester hours.

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 measurements system in the context of developing individualized Family Service Plans and Individualized Education Plans. The issue of culturally appropriate interventions is addressed. Prerequisite: EDSE 5325.

EDSE 5371 *Teaching and Positive Behavior Support in Autism*. Three semester hours.

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 generalized methods, and the development of instructional plans. Emphasis is placed on functional-based interventions to teach communities, social, self-help and pre-academic skills. Application of such methods in inclusive classroom settings is also considered. Prerequisite: EDSE 5325 and EDSE 5370.

EDSE 5372 *Intervention Program Model in Autism*. Three semester hours.

This course covers how educational environments can be designed to maximize learning. Different modes 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. Prerequisite: EDSE 5325, EDSE 5370 and EDSE 5371.

EDSE 5373 *Current Issues in the Education and Behavioral Treatment of Autism*. Three semester hours.

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 *Consultation and Collaboration for the Autism Specialist*. Three semester hours.

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 individuals with autism. In addition, this course focuses on current practices in collaboration used in program planning in implementation for students receiving special education services. Prerequisite: EDSE 5325, EDSE 5370, EDSE 5371, EDSE 5372 and EDSE 5373.

EDSE 5380 *Practicum in Teaching*. Three semester hours.

This course will focus on the supervision of interns as they make pre-instructional, during instruction, and post-instructional decisions to help monitor and evaluate teaching effectiveness. (Required in a special education classroom in the event that at least one of the student's three years of prior teaching experience was not in a special education setting.)

EDSE 5190-5390 *Special Issues in Special Education*. One-three semester hours.

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*. Three semester hours.

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. Prerequisite: Approval of major advisor

EDSE 5399 *Thesis*. Three semester hours.

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. Prerequisite: EDSE 5398 or EDGR 5320.

SPECIAL POPULATIONS (EDSP)

EDSP 5380 *Foundations of English as a Second Language*. Three semester hours.

This course focuses on developing an understanding of the foundations of ESL and fundamental language concepts as they relate to the process of second language acquisition. This course may not be applied to a graduate program. Prerequisite: Enrollment restricted to students seeking ESL endorsement. This course will only be offered on-line.

EDSP 5382 *Methods of ECE Bilingual Instruction*. Three semester hours.

This course provides an overview of ESL methods and the current legislation regarding ESL programs. Pedagogical trends, approaches, strategies, and techniques for the acquisition of English as a second language in PK-12 are presented. This course may not be applied to a graduate program. Prerequisite: Enrollment restricted to students seeking ESL endorsement. This course will only be offered on-line.

EDSP 5384 *ESL Assessment and Development*. Three semester hours.

This course focuses on the nature of second language development, assessment, proficiency and legal aspects of entry/exit criteria. This course may not be applied to a graduate program. Prerequisite: Enrollment restricted to students seeking ESL endorsement. This course will only be offered on-line.

EDSP 5386 *English as a Second Language Communities*. Three semester hours.

This course is designed to assist teachers to become advocates and facilitators of families and community involvement for ESL students. This course may not be applied to a graduate program. Prerequisite: Enrollment restricted to students seeking ESL endorsement. This course will only be offered on-line.

EDSP 5397 *Professional Paper*. Three semester hours.

This course will provide students with opportunities and support for the satisfactory completion of a field 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. Prerequisite: EDSP 5398.

COLLEGE OF NURSING AND HEALTH SCIENCES COURSE DESCRIPTIONS

ABBREVIATIONS FOR THE SEQUENCE OF COURSE OFFERINGS: FALL (FL), SPRING (SP), SUMMER (SS)

NURSING (NURS)

NURS 1302 (Basic Program)/3302 (RN/BSN) *Cultural Determinants of Health Behavior.* Three semester hours, theory only. (FL/SP)

This course examines relationships between cultural phenomena and health behavior. The meaning and expression of personal health behaviors are explored as consequences of family and community life set within developmental contexts. For both children and adults, the ways and conditions under which individuals define health status are explored. Cultural forces that enhance or reduce the capacity of individuals, families, or communities to maintain health are analyzed. This is a writing intensive (WIN) course Prerequisite: ENGL 1301 and/or co-registered in ENGL 1302; and Nursing department approval.

NURS 2212 *Foundations of Professional Nursing.* Two semester hours, theory only. (SP)

This course provides the student with an organizing framework for defining professional nursing practice as a learned and complex therapeutic process through which the nurse engages individuals, families, or communities for the purpose of meeting health needs. Nursing philosophies are explored, with special emphasis given to interpretation of the influence of culture and caring on health. Processes deemed essential to professional nursing are emphasized, including informatics, critical thinking, nursing process, therapeutic communication and teaching-learning. Emerging nursing roles are examined within a historical and cultural context. The student is encouraged to consider a broad scope of roles in establishing a professional nurse identity with special attention to ecology, social justice, gender, and other ethical considerations. To earn credit, this course must be completed with a grade of "C" or better. (Formerly 2312).

NURS 2310 *Nutrition.* Three semester hours, theory only. (FL)

Life cycle nutrition is presented in conjunction with diet therapy principles. Nutritional assessments will include the influencing variables of culture, religion, economics, physiology, and medical regimen. Relevant research will be identified. Counseling and other interventions will be taught within the framework of the nursing process. To earn credit, this course must be completed with a grade of "C" or better. (Advanced standing for RNs.) Co-requisite: NURS 2212, 2313, and 2414.

NURS 2313 *Basic Nursing Skills.* Three semester hours, theory (1 hour) and clinical lab (3 hours equal nine contact hours). (SP)

This 3-credit hour laboratory course provides an introduction to the psychomotor skills involved in providing basic nursing care to a culturally diverse population. Students are exposed to a variety of psychomotor skills applicable to nursing and other disciplines, such as body mechanics, vital signs, patient transport, range of motion exercises, hot and cold therapies, hygiene, skin and wound care, medication administration, dosage calculations and cardio-pulmonary resuscitation (CPR). In addition, through laboratory and clinical assignments, students gain competence in nursing techniques, including comfort measures, positioning and transporting, asepsis and sterile procedures, and therapeutic modalities related to preoperative and postoperative care. Students will be expected to apply critical thinking to their mastery of basic nursing skills. To earn credit, this course must be completed with a grade of "C" or better. (Advanced standing for Registered Nurses; opportunities for challenge exams available for active currently licensed vocational or practical nurses.) Course fee: \$100. (Formerly NURS 2413)

NURS 2414 *RN/BSN Pathophysiology.* Four semester hours, theory only.

This course is a comprehensive study of underlying concepts common to the major pathophysiologic processes of the body. The influence of psychoneuroimmunologic mechanisms upon structure and function of the body's adaptive and

compensatory needs will be explored. The interaction of age, life-style, culture, gender differences, and intrinsic and extrinsic environmental factors will be examined in relation to these psychoneuroimmunologic mechanisms. Emphasis is placed upon the pathophysiological concepts essential for understanding the rationale for preventive and therapeutic nursing interventions and medications associated with these disease processes. To earn credit, this course must be completed with a grade of "C" or better.

NURS 3315 *Health Assessment*. Three semester hours, laboratory only (six contact hours). (FL)

This seminar and lab course builds upon the theoretical basis for physical, social, psychological, and cultural assessment of clients. The student applies knowledge of pathophysiology of each body system from health assessments to determine nursing diagnoses. Students compile a health history which includes an assessment of cultural values, health beliefs, and caring practices. Legal and ethical issues implicated in obtaining and managing health data are explored. Students practice in a supervised laboratory setting the procedural steps of a comprehensive health assessment. The importance of the professional nursing role in health assessment is examined. To earn credit, this course must be completed with a grade of "C" or better. Co-requisites: NURS 3525, NURS 3665. RN to BSN co-requisites: NURS 4263, NURS 4522. Course fee: \$125.00.

NURS 3405 *Nursing Research*. Four semester hours, theory only. (FL)

This course focuses on the introductory use of the research process in the development of nursing knowledge and practice. Current reference resources are identified and examines for their value in informing an evidence based nursing practice. Steps in the research process are detailed. Research questions are explored with regard to theoretical underpinnings, methods of data collection and analysis, and the interpretations and use of study findings to guide the care of individuals, families and communities. The roles and responsibilities of nurses as researchers and scholars are examined. The importance of scientific integrity and maintaining ethical standards in research is emphasized. Published research reports are critically analyzed to determine the applicability of findings to nursing practice. The Evidence Based Practice Hierarchy guides the categorization and evaluation of studies for translation to clinical practice. Gaps in the literature are identified as areas for further study. This is a WIN course. (Formerly NURS 3305)

NURS 3414 *RN/BSN Pathophysiology*. Four semester hours, theory only. (FL)

This course is a comprehensive study of underlying concepts common to the major pathophysiologic processes of the body. The influence of psychoneuroimmunologic mechanisms upon structure and function of the body's adaptive and compensatory needs will be explored. The interaction of age, life-style, culture, gender differences, and intrinsic and extrinsic environmental factors will be examined in relation to these psychoneuroimmunologic mechanisms. Emphasis is placed upon the pathophysiological concepts essential for understanding the rationale for preventive and therapeutic nursing interventions. Prerequisites: NURS 2312, NURS 2413 and all core requirements (for basic students). NURS 3590 for RN/BSN. A 2.5 GPA is required for all four science courses. Co-requisites: NURS 3315, NURS 3665.

NURS 3525 *Childbearing Newborn Nursing*. Five semester hours, three theory, two clinical. (SP)

This course focuses on clinical application of the nursing process in providing culturally specific care to childbearing women, newborn infants, and their family systems during the child rearing period. Clinical experiences in an acute care setting provide students with the opportunity to apply primary, secondary and tertiary prevention within childbearing, childrearing family-client systems and women's health across the lifespan. Critical thinking, health promotion, family-centered care and cultural diversity are stressed. To earn credit, this course must be completed with a grade of "C" or better. (Advanced standing for Registered Nurses). Co-requisites: NURS 3315 and 3665. Course fee: \$60.00

NURS 3526 *Child Health Nursing*. Five semester hours, three theory, two clinical. (SP)

This course focuses on clinical application of the nursing process in providing culturally specific care to children, adolescents and their family systems. Clinical experiences in acute care and community-based settings provide students with the opportunity to apply primary, secondary and tertiary level of prevention within child health care and family-client systems across the lifespan. Critical thinking, health promotion, family-centered care and cultural diversity are stressed. To earn credit, this course must be completed with a grade of "C" or better. (Advanced Standing for Registered Nurses) Prerequisites: NURS 3315, 3525, 3665. Co-requisites: NURS 3405 and 3558. Course fee: \$100.

NURS 3558 *Psychiatric Mental and Medical Issues in Nursing*. Five semester hours, three theory, two clinical (2 hours equals six contact hours). (SS)

This clinical course focuses on culturally competent nursing care for persons experiencing alterations in mental health status, applying the nursing process with individuals, families and groups adapting to those alterations. Particular attention is given to cultural influences and caring psychosocial interventions in a variety of residential and community-based settings. Student competence in therapeutic communication, group process and the counselor role will be further

developed. To earn credit, this course must be completed with a grade of "C" or better. (Advanced standing for Registered Nurse students.) Prerequisites: NURS 3315, NURS 3525, NURS 3665. Co-requisite: NURS 3405 and NURS 3526. Course fee: \$125.

NURS 3590 *Nurse Role and Practice Transitions (RN/BSN only)*. Five semester hours, three theory, two hours clinical. (SP)

This course provides the student with an organizing framework for defining professional nursing practice as a learned and complex therapeutic process through which the nurse engages individuals, families, or communities for the purpose of meeting health needs. The health needs of individuals, families and communities are examined within relevant theoretical contexts. Nursing philosophies are explored, with special emphasis given to the interpretation of the influence of culture and caring on health. To earn credit, this course must be completed with a grade of "C" or better. Prerequisite: Prerequisites: NURS 3302, NURS 3405 and NURS 3414. Course fee: \$200.00.

NURS 3665 *Introduction to Adult Health Nursing*. Six semester hours, three theory, nine clinical.

This six credit hour clinical course provides an introduction to culture specific caregiving for adult clients experiencing acute and chronic illnesses. An anatomical systems, adult life span approach will structure the course; critical thinking, research applications and professionalism are to be demonstrated. Diverse practice settings will be used for the 135 required hours of student clinical experience. To earn credit, this course must be completed with a grade of "C" or better. (Advanced standing for Registered Nurses.) Prerequisites: NURS 2212, NURS 2313 and all core requirements. Co-requisites: NURS 3315, NURS 3325. Course fee: \$60.00.

NURS 4170 *Professional Role Preceptorship*. One semester hour, clinical only.

This is a capstone course with a concentrated seminar/clinical practicum that utilizes clinical and theoretical concepts to assist senior level nursing student's transition and socialize into professional practice and nursing across health care delivery systems. The course assists students to synthesize knowledge and skills required of new graduates including refinement of clinical judgment, problem-solving, priority-setting, time management, and interdisciplinary collaborations and communication. This 15-week rotation includes a clinical practicum with a Registered Nurse in the medical-surgical, adult, pediatric, maternal child, neonatal critical care, or adult care units. Placement is the final semester senior year. To earn credit, this course must be completed with a grade of "C" or better. Prerequisite: All other course work must be completed; with concurrent enrollment in NURS 4290, NURS 4670, and NURS 4340.

NURS 4199-4799 *Current Topics*. One-seven semester hours, theory or clinical.

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.

NURS 4263 *Ethical/Legal Issues in Nursing*. Two semester hours, theory only.

This course focuses on legal and ethical issues in professional nursing to include discussions of the ethical and legal underpinnings of nursing practice. Utilizing case studies, students will have the opportunity to analyze actual legal and ethical situations and dilemmas faced by professional nurses and formulate options for resolving them in accord with ethical and legal standards for healthcare. The course will focus also on the intersection and the interrelationship of law and ethics as it relates to the practice of nursing. To earn credit, this course must be completed with a grade of "C" or better.

NURS 4290 *Senior Lab Seminar*. Two semester hours, laboratory only (6 contact hours). (SP)

This laboratory course provides in-depth diagnosis of mastery and reinforcement of all curricular content in basic nursing knowledge and skills. Critical thinking is used to apply the nursing process to plan and evaluate culturally based care for individuals, families and groups across the life span experiencing alterations in physical and psychosocial health. Computer assisted instruction and standardized testing are used to evaluate student readiness for professional licensure and practice. Successful completion of course requirements includes satisfactory performance on a nationally recognized standardized readiness evaluation instrument. To earn credit, this course must be completed with a grade of "C" or better. (Advanced standing for Registered Nurses.) Prerequisites: NURS 4263, NURS 4522, NURS 4665. Co-requisites: NURS 4170, NURS 4340, NURS 4670. Course fee: \$130.

NURS 4299 *Current Topics*. Two semester hours. theory and/or clinical.

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. Prerequisite: Permission of instructor.

NURS 4340 *Global Health*. Three semester hours, theory only. (SP)

This capstone course brings together content from the entire nursing curriculum to examine global health problems and challenges within the context of current geo-political-social-cultural-economic-environmental-international health realities. Looking at health and health care as a basic human right, students will explore basic health-related concepts and trends within a global context. Immigration, socioeconomic conditions, and environmental factors will be analyzed in relationship 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 be detrimental to an individual's health. This is a WIN course. To earn credit, this course must be completed with a grade of "C" or better.

NURS 4363 *Leadership, Management and Issues in Nursing*. Three semester hours. (SP)

In this theoretical and experiential course, current theories of management and leadership are examined and related to nursing practice and focus is placed on prominent national, state and local issues in nursing and health care. Leadership is examined in both historical and evolving contexts as a process which can be learned, key practice, education, and government issues in nursing are examined. Elements that determine the culture of nursing and health care organizations are considered with regard for inherent issues concerning the development of nursing roles. Student will learn the effective use of power as a positive force in bringing about desired change, learn the rights and duties of providers and recipients of care, explore political and legal foundations of the health care profession, learn who controls health care resources, practice decision-making, and develop critical thinking to establish innovative and creative approaches to nursing practice through clinically related applications. Prerequisite: Basic: NURS 3314, NURS 3315, NURS 3590, NURS 3665 or NLN Mobility Exam. Co-requisite: NURS 3302, NURS 3525. (Formerly NURS 4463)

NURS 4522 *Community Health Nursing*. Five semester hours, three theory, two clinical (3 hours equals 9 contact hours). (FL)

Community Health Nursing emphasizes the development of knowledge and skills integral to working with communities. Epidemiological principles will provide the framework for conducting community assessments. Student will work in mutuality with community groups to assess their health care needs, emphasizing the cultural and environmental contexts of health problems. In partnership with this group, students will examine the entire range of health needs and resources (folk and traditional) available within this community, identify strengths and weaknesses of those resources, and work in partnership with the community to address its felt needs. (Formerly NURS 4622)

NURS 4665 *Advanced Adult Health Nursing*. Six semester hours, three theory, three clinical (3 hours equals nine contact hours). (FL)

This course offers expanded knowledge based on clinical experiences in acute care settings. The focus of the course is providing culturally congruent comprehensive nursing care to adults with multi-system and complex health care needs. Post conferences will coordinate clinical experience with theory-based practice and ethical and legal ramifications. During the 135 required hours of clinical practice, students will be introduced to the nurse's professional, provider and coordinator of care roles. To earn credit, this course must be completed with a grade of "C" or better. (Advanced standing for Registered Nurses.) Prerequisites: NURS 3405, NURS 3526, NURS 3558, NURS 3665. Co-requisite: NURS 4263 and NURS 4522. Course fee: \$60.

NURS 4670 *Comprehensive Emergent Care*. Six semester hours, three theory, three clinical. (SP)

This course focuses on the development of advanced nursing knowledge and skills in the acute care of high risk populations across the life span. Because students will have contact during the course with individuals and families from diverse cultural groups, health care problems and needs are examined with regard for the unique influences of divergent cultural, economic, and political forces. However, the emphasis of the course is on the mastery of competencies and confidence in the provision of direct nursing care to high risk individuals demanding emergent care. Students will assess, plan, implement, and evaluate comprehensive nursing care with clients across the lifespan at risk during post traumatic events. To earn credit, this course must be completed with a grade of "C" or better. Prerequisites: NURS 4263, 4522, and 4665. Co-requisites: NURS 4170, 4290, and 4340. RN/BSN prerequisites: NURS 3315, 4263, and 4522. Co-requisites: NURS 4299 and 4340. Course fee: \$50 for basic nursing students; \$200 for RN/BSN student. (Formerly NURS 4570)

NURS 5211 *Diagnostic Laboratory*. Two semester hours, one theory, one clinical.

This two 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. Course fee: \$25.00.

NURS 5301 *Theoretical Foundations for Advanced Practice Nursing*. Three semester hours, theory only.
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 Nursing*. Three semester hours, theory only.
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 organization decision-making are analyzed.

NURS 5303 *Advanced Pathophysiology*. Three semester hours, theory only.
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*. Three semester hours, theory only.
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*. Three semester hours, theory only.
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 *Diversity and Social Issues in Health Care*. Three semester hours, theory only.
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. Prerequisite: NURS 5302.

NURS 5406 *Advanced Health Assessment*. Four semester hours, two theory, six clinical.
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 diagnoses after interpreting the collected data. The clinical portion offers the opportunity to perform and interpret assessments on patients. Course fee: \$45.00.

NURS 5407 *FNP I: Wellness and Health Promotion*. Four semester hours, two theory, six clinical.
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. Prerequisites: NURS 5303, NURS 5305, NURS 5406. Course fee: \$20.00.

NURS 5509 *FNP III: Management of Acute and Chronic Illness, Part II.* Five semester hours, three theory and two clinical (six clock hours).

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. Prerequisite: NURS 5407. Course fee: \$20.00.

NURS 5608 *FNP II: Management of Acute and Chronic Illness, Part I.* Six semester hours, three theory, nine clinical. This course focuses on clinical management of commonly occurring acute and chronic conditions in primary care settings. Content includes symptom complexes, pathophysiology, epidemiology, clinical management, and prevention of complications. Emphasis is on symptom analysis, diagnostic reasoning, differential diagnosis, prescription and documentation of therapeutic regimens. Attention is given to research-based pharmacological and non-pharmacological treatments and integration of nursing, developmental, family and transcultural theories to the diagnostic and management process. The clinical practice provides the opportunity for the student to perform comprehensive and episodic assessments, practice advanced skills in health assessments, diagnose commonly occurring illnesses, and suggest treatments and referrals under supervision. Prerequisite: NURS 5407. Course fee: \$20.00.

NURS 5612 *FNP IV: Integrated Clinical Practicum.* Six semester hours, one theory, 15 clinical.

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. Prerequisite; NURS 5608, NURS 5509. Course fee: \$425.00.

FACULTY

COLLEGE OF ARTS AND SCIENCES

ADDO-MENSAH, ALFRED, Visiting Assistant Professor of Chemistry, Department of Biology and Chemistry; B.S., University of Cape Coast; M.S. University of Maryland; Ph.D., Florida Atlantic University.

ARENAZ, PABLO, Provost and Vice President for Academic Affairs and Professor of Biology, Department of Biology and Chemistry; B.S., University of Nevada; Ph.D., Washington State University.

BACHNAK, RAFIC A., Chair and Professor of Electrical and Computer Engineering, Department of Engineering, Mathematics and Physics; B.S., M.S., Ph.D., Ohio University.

BALL, REX H., Instructor of History, Department of Social Sciences; B.A., University of Oklahoma; M.A., De Paul University; Ph.D., Harvard University.

BEN-RUWIN, MOHAMED A., Chair and Associate Professor of Political Science and Public Administration, Department of Social Sciences; B.A., University of Gharyounis; M.P.A., M.U.P., Portland State University; Ph.D., University of North Texas.

BENNETT, MARVIN E., III, Associate Professor of Geology, Department of Biology and Chemistry; B.S., Marshall University; M.S., Stephen F. Austin; Ph.D., University of Tennessee, Knoxville.

BERDAHL, SUSAN M., Associate Professor of Music, Department of Fine and Performing Arts; B.M., University of Iowa; M.M., University of Miami; Ph.D., University of Minnesota.

BERNAT, FRANCES P., Chair and Professor of Criminal Justice, Department of Behavioral Sciences; B.S., M.A., J.D., SUNY-Buffalo; Ph.D., Washington State University.

BISWAS, PABLO, Assistant Professor of Systems Engineering, Department of Engineering, Mathematics, and Physics; B.S., Bangladesh University of Engineering and Technology; M.S., Ph.D., Louisiana State University.

BLACKWELL, DEBORAH L., Associate Professor of History, Department of Social Sciences; B.A., The College of William & Mary; M.A., North Carolina State University; Ph.D., University of Kentucky.

BOGUS, DAVID SCOTT, Assistant Professor of Art, Department of Fine and Performing Arts; B.F.A., University of Massachusetts-Dartmouth; M.F.A., University of Nebraska.

BRONCANO, MANUEL, Professor and Department Chair, Department of Language and Literature; B.A., M.A., Ph.D., University of Salamanca.

BROWN, JEFFREY MICHAEL, Dean of Graduate Studies and Research and Associate Professor of Psychology, Department of Behavioral Sciences; B.A., Miami University of Ohio; M.S., Ph.D., Texas A&M University.

BROWN, LYNDA SCHAAF, Assistant Professor of Communication, Department of Language and Literature; B.S., University of Pittsburgh; M.A., University of Edinboro of Pennsylvania; Ph.D., Duquesne University.

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FLORES, LINDA D., Assistant Professor of Nursing, Canseco School of Nursing; B.S.N., Houston Baptist University; M.S.N., Texas A&M University-Corpus Christi.

GARCIA, VIVIAN, Assistant Professor of Nursing, Canseco School of Nursing; B.S.N., M.S.N., Texas A&M University-Corpus Christi.

GONZALEZ, BELVA, Assistant Professor of Nursing, Canseco School of Nursing; B.S.N., M.S.N., Texas A&M University-Corpus Christi.

HABER, RITA, Clinical Assistant Professor of Nursing, Canseco School of Nursing; B.S.N, M.S.N, Texas A&M International University.

LARA, IRMA, Assistant Professor of Nursing, Canseco School of Nursing; B.S.N., M.S.N., Texas A&M University-Corpus Christi.

MENA, JESSIE MARIA D., Clinical Assistant Professor of Nursing, Canseco School of Nursing; B.S.N., M.S.N., Texas A&M University-Corpus Christi.

PALACIOS, HORACIO, Clinical Assistant Professor of Nursing, Canseco School of Nursing; B.S., Texas A&M University-Corpus Christi; M.S., Texas Women's University.

PLANK, ROSEMARY K., Associate Professor of Nursing, Canseco School of Nursing; B.S.N., M.S., University of Minnesota; Ph.D., University of California.

SALDIVAR, ROSE, Clinical Assistant Professor of Nursing, Canseco School of Nursing; B.S.N., University of Texas Medical Branch; M.S.N., Texas A&M University-Corpus Christi; F.N.P., University of Texas Health Science Center at San Antonio.

TORREGOSA, MARIVIC, Assistant Professor of Nursing, Canseco School of Nursing; B.S.N., University of Bohol, Philippines; M.S.N., Texas A&M University-Corpus Christi.

WALKER, SUSAN S., Professor Emeritus of Nursing, Canseco School of Nursing; B.A., Carleton College; B.S., M.S., Boston University; Ph.D., University of Texas Medical Branch at Galveston.

UNIVERSITY COLLEGE

BAKER, BARBARA A., Instructor, University College; B.A., M.S., Kansas State University; Ed.D., University of Massachusetts-Amherst.

GARZA, REBECCA R., University College, B.A., M.A., The University of Texas at Austin.

GARZA, VERONICA M., Instructor, University College; B.A., The University of Texas at Austin; M.B.A., St. Edwards University.

HICKEY, CONCHITA C., Executive Director, University College; B.A., Our Lady of the Lake University; M.A., Texas A&M University.

HOEY, ANN T., Instructor, University College, B.A., M.A., Texas A&M International University.

HOLMGREEN, DESTINE D., Instructor, University College; B.A., University of the Incarnate Word; M.A. Texas A&M International University.

JASSO, ALMA, Instructor of Mathematics, University College; B.A., Texas A&M International University.

KAZEN, HAYLEY, Instructor of Reading and Writing, University College; B.A., University of Texas at Austin; M.A., University of Texas at El Paso; Ph.D., Texas A&M University.

KOVACIC, REHN, Instructor, University College; B.A., M.A., Arizona State University.

RODRIGUEZ, DANIELA, Instructor of Reading, University College; B.A., Texas A&M University; M.A., Texas A&M International University.

SAN MIGUEL, MIGUEL, Instructor of Mathematics, University College, General University; B.A., Universidad Autonoma de Guadalajara; M.A., Texas A&M International University.

LIBRARIANS HOLDING FACULTY STATUS

BOGUE, TIMOTHY, Systems Web Services Librarian, Sue and Radcliffe Killam Library; B.S., Northeastern Illinois University.

DALTON, MALYNDA, Assistant Librarian; Sue and Radcliffe Killam Library; B.A., Vassar College; M.L.I.S., Long Island University.

FERRIER, DOUGLAS M., Librarian, Sue and Radcliffe Killam Library; B.A., The University of Texas at Austin; M.A., University of Texas-Arlington; M.L.I.S., University of North Texas.

HATCHER, JEANETTE, Associate Librarian; Sue and Radcliffe Killam Library; B.A., M.A.P.AFF., University of Texas at Austin; M.L.S., Texas Women's University.

HINOJOSA, ROGELIO, Associate Librarian, Sue and Radcliffe Killam Library; B.S., Instituto Tecnológico y de Estudios Superiores de Monterrey; M.S., Loughborough University of Technology; M.L.S., Syracuse University.

LINDSEY, NERISSA S., Catalog Librarian, Sue and Radcliffe Killam Library; B.A., University of California-Davis; M.L.I.S., University of Washington.

MAXSTADT, JOHN M., Associate Librarian, Sue and Radcliffe Killam Library; B.A., Wabash College; M.A.T., Farleigh Dickinson University; M.L.S., Ball State University.

WEBB, RODNEY M., Reference/Government Documents 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

COMPONENT AREA	COURSE OPTIONS	SCH
Communication	ENGL 1301 and 1302 and one of the following:	6
	ENGL 2311, HUM 2301, MATH 2371, COMM 1311 or COMM 1315*	3
Mathematics**	College Algebra or above	3
Natural Science**	Courses with laboratories can be taken from: ASTR, BIOL, CHEM, ENSC EPSC, GEOL or PHYS	8
Humanities	ENGL 2322, 2323, 2327, 2328, 2332, 2333 or 2365	3
Visual, Literary and Performing Arts**	Courses can be taken from: ARTS, COMM, DANC, ENGL, MUAP, MUEN, MUSI, SPAN or THAR	3
History	HIST 1301 and 1302	6
Political Science	PSCI 2305 and 2306	6
Social & Behavioral Science**	Courses can be taken from: ANTH, CRIJ, ECO, GEOG, GIS, HIST, HUM, PHIL, PSCI, PSYC, SOCI, SOCW or URBS	3
Institutional Option**	Activity or wellness course	1
TOTAL		42

*D. D. Hachar Honors students must select HUM 2301 unless their declared major specifies otherwise.

**See eligible courses in Appendix A.

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.

MATHEMATICS

MATH 1314	College Algebra
MATH 1316	Plane Trigonometry
MATH 1324	Business Mathematics I
MATH 1325	Business Mathematics II
MATH 1342	Introductory Statistics
MATH 1348	Analytic Geometry
MATH 2412	Pre-Calculus
MATH 2413	Calculus I
MATH 2414	Calculus II
MATH 2415	Calculus III

NATURAL SCIENCE

ASTR	1311/1111	Planetary Astronomy/Laboratory
ASTR	1312/1112	Stellar Astronomy/Laboratory
BIOL	1370/1170	Survey of Life Science/Laboratory
BIOL	1406	Cell and Molecular Biology
BIOL	1411	General Botany
BIOL	1413	General Zoology
BIOL	1470	Human Biology
BIOL	1471	Natural History of South Texas
BIOL	2401	Anatomy and Physiology I
BIOL	2402	Anatomy and Physiology II
CHEM	1370/1170	Survey of Chemistry/Laboratory
CHEM	1400	Chemistry in the Environment
CHEM	1406	Chemistry for Health Sciences
CHEM	1411	General Chemistry I
CHEM	1412	General Chemistry II
ENSC	1101/1301	Introduction to Environmental Systems
EPSC	1370/1170	Survey of Earth Science/Laboratory
EPSC	2401	Atmospheric Science
GEOL	1303/1103	Introduction to Physical Geology
GEOL	1305/1105	Environmental Geology
PHYS	1301/1101	General Physics I/Laboratory
PHYS	1302/1102	General Physics II/Laboratory
PHYS	1370/1170	Survey of Physical Science/Laboratory
PHYS	2325/2125	University Physics I/Laboratory
PHYS	2326/2126	University Physics II/Laboratory

VISUAL, LITERARY AND PERFORMING ARTS

ARTS	1100	Art and Children
ARTS	1301	History of Painting, Sculpture and Architecture
ARTS	1303	Art History Survey: Prehistoric to Renaissance
ARTS	1304	Art History Survey: Renaissance to Modern
ARTS	1310	Design I (non-majors)
ARTS	1311	Design I
ARTS	1312	Design II
ARTS	1316	Drawing I
ARTS	1317	Drawing II
ARTS	2316	Painting I
ARTS	2323	Life Drawing
ARTS	2326	Sculpture I
ARTS	2333	Printmaking
ARTS	2346	Ceramics I
ARTS	2356	Photography I
COMM	2331	Photography I
DANC	1100	Dance/Theatre and Children
DANC	1131, 1132	Dance Conditioning I, Dance Conditioning II
DANC	1210, 1211	Tap I, Tap II
DANC	1241, 1242	Ballet I, Ballet II
DANC	1245, 1246	Modern I, Modern II
DANC	1247, 1248	Jazz I, Jazz II
DANC	2131, 2132	Dance Conditioning III, Dance Conditioning IV
DANC	1349, 1350	Ballet Folklórico I, Ballet Folklórico II
DANC	1351, 1352	Dance Performance I: Modern, Dance Performance II: Modern
DANC	1351, 1352	Dance Performance I: Flamenco, Dance Performance II: Flamenco
DANC	2131, 2132	Dance Conditioning III, Dance Conditioning IV

DANC	2210, 2211	Tap III, Tap IV
DANC	2241, 2242	Ballet III, Ballet IV
DANC	2247, 2248	Jazz III, Jazz IV
DANC	2303	Dance Appreciation
DANC	2349, 2350	Ballet Folklórico III, Ballet Folklórico IV
DANC	2351, 2352	Dance Performance III: Modern, Dance Performance IV: Modern
DANC	2351, 2352	Dance Performance III: Flamenco, Dance Performance IV: Flamenco
ENGL	2307	Introduction to Creative Writing
MUAP	1113	Applied Music Instruction
MUAP	1213	Applied Music Instruction
MUEN	1130	Chorale
MUEN	1133	Guitar Ensemble
MUEN	1137	Marching Band
MUEN	1140	Band
MUEN	1143	TAMIU Orchestra
MUEN	1150	Chamber Music
MUEN	1160	Mariachi
MUSI	1100	Music and Children
MUSI	1157, 1158	Opera Workshop I, Opera Workshop II
MUSI	1161	Diction I English and Italian
MUSI	1181	Piano Class I (non-majors)
MUSI	1182	Piano Class II (non-majors)
MUSI	1301	Music Fundamentals
MUSI	1302	Computer/Electronic Music
MUSI	1306	Music Appreciation
MUSI	1307	Music Literature and Elements of Musical Style
MUSI	1310	American Popular Music
MUSI	2157, 2158	Opera Workshop III, Opera Workshop IV
MUSI	2160	Diction II German
MUSI	2161	Diction III French
SPAN	2307	Introduction to Creative Writing
THAR	1301	Stage Production
THAR	1310	Performance
THAR	2100	Theatre Practicum
THAR	2300	World Theater
THAR	2340	Play Analysis

SOCIAL AND BEHAVIORAL SCIENCE

ANTH	2302	Introduction to Archaeology
ANTH	2346	Introduction to Anthropology
CRIJ	1301	Introduction to Criminal Justice
ECO	1301	Survey of Economics
ECO	2301	Principles of Macroeconomics
ECO	2302	Principles of Microeconomics
GEOG	1301	Physical Geography
GEOG	1303	General World Geography
GIS	2301	Survey of Geographic Information
HIST	1310	Military History of the U. S.
HIST	2321	World Civilization to 1648
HIST	2322	World Civilization since 1648
HUM	2301	The Western Cultural Tradition
PHIL	1301	Introduction to Philosophy
PHIL	2301	Introduction to Logic
PHIL	2306	Ethics
PSCI	2304	Introduction to Political Science
PSYC	2301	Introduction to Psychology

SOCI 1301 Introduction to Sociology
SOCI 1306 Contemporary Social Problems and Social Policy
URBS 2301 Introduction to Urban Studies

INSTITUTIONAL OPTION

EDFS 1101 Aerobic Activities
EDFS 1104 Beginner Swimming
EDFS 1111 Weight Training and Conditioning
EDFS 1130 Golf
EDFS 1143 Tennis
EDFS 1152 Health and Wellness
DANC 1131/1132 Dance Conditioning I - II
DANC 2131/2132 Dance Conditioning III - IV
MUEN 1137 Marching Band

APPENDIX B DEGREES

TEXAS A&M INTERNATIONAL UNIVERSITY DEGREES OFFERED

UNDERGRADUATE DEGREES - COLLEGE OF ARTS AND SCIENCES	HOURS REQ
Bachelor of Applied Arts and Sciences (BAAS)	120
Bachelor of Arts with double majors (BA)	120
Bachelor of Arts with a major in Art (BA)	120
Bachelor of Arts with a major in Art with All Level Certification (BA)	120
Bachelor of Arts with a major in Biology (BA)	125
Bachelor of Arts with a major in Biology, Grades 8-12 Certification (BA)	122
Bachelor of Arts with a major in Communication (BA)	120
Bachelor of Arts with majors in Communication and Spanish (BA)	120
Bachelor of Arts with a major in English (BA)	120
Bachelor of Arts with a major in English, Grades 8-12 Certification in English Language Arts and Reading (BA)	120
Bachelor of Arts with a major in History (BA)	120
Bachelor of Arts with majors in History and Political Science (BA)	120
Bachelor of Arts with a major in History, Grades 8-12 Certification (BA)	120
Bachelor of Arts with a major in Mathematics (BA)	120
Bachelor of Arts with a major in Mathematics, Grades 8 -12 Certification (BA)	124
Bachelor of Arts with a major in Music (BA)	120
Bachelor of Arts with a major in Physical Science (BA)	120
Bachelor of Arts with a major in Political Science (BA)	120
Bachelor of Arts with a major in Psychology (BA)	121
Bachelor of Arts with a major in Sociology (BA)	120
Bachelor of Arts with a major in Spanish (BA)	120
Bachelor of Arts with a major in Spanish, Grades 8-12 Certification (BA)	120
Bachelor of Music with a major in Music (BM)	120
Bachelor of Music with a major in Music, All Level Certification (BM)	133
Bachelor of Science in Criminal Justice (BSCJ)	120
Bachelor of Science with a major in Biology (BS)	127
Bachelor of Science with a major in Chemistry (BS)	120
Bachelor of Science with a major in Environmental Science (BS)	120
Bachelor of Science with a major in Mathematics (BS)	120
Bachelor of Science with a major in Science, Grades 8-12 Certification (BS)	124
Bachelor of Science with a major in Social Studies, Grades 8-12 Certification (BS)	129
Bachelor of Science with a major in Systems Engineering (BS)	128
Bachelor of Science in Interdisciplinary Studies with a major in English Language Arts and Reading, Grades 4 - 8 Certification (BSIS)	130
Bachelor of Science in Interdisciplinary Studies with a major in English Language Arts and Social Studies, Grades 4 - 8 Certification (BSIS)	126
Bachelor of Science in Interdisciplinary Studies with a major in Mathematics, Grades 4 - 8 Certification (BSIS)	123
Bachelor of Science in Interdisciplinary Studies with a major in Science, Grades 4 - 8 Certification (BSIS)	121
Bachelor of Science in Interdisciplinary Studies with a major in Social Studies, Grades 4 - 8 Certification (BSIS)	130

GRADUATE DEGREES COLLEGE OF ARTS AND SCIENCES

Master of Arts in Counseling Psychology (MACP) (Thesis and Non-Thesis)	48
Master of Arts in English (MA) (Thesis and Non-Thesis)	30/36
Rhetoric and Composition Track (MA) (Thesis and Non-Thesis)	30/36
Master of Arts in History (MA) (Thesis and Non-Thesis)	30/36
Master of Arts in Political Science (MA) (Thesis and Non-Thesis)	30/36
Master of Arts in Sociology (MA) (Thesis and Non-Thesis)	30/36
Master of Arts in Spanish (MA) (Thesis and Non-Thesis)	30/36
Master of Public Administration (MPA)	42
Master of Science in Biology (MS)(Thesis and Non-Thesis)	30/36
Master of Science in Criminal Justice (MS) (Thesis and Non-Thesis)	36
Master of Science in Mathematics (MS) (Thesis and Non-Thesis)	30/36
Mathematics Education Track (MS) (Non-Thesis)	36
Master of Science in Psychology (MS) (Thesis and Non-Thesis)	36
General Psychology Track (MS) (Thesis)	36
Police Psychology Track (MS) (Non-Thesis)	36

COLLABORATIVE PH.D. IN HISPANIC STUDIES OFFERED BY TEXAS A&M UNIVERSITY**UNDERGRADUATE DEGREES SANCHEZ SCHOOL OF BUSINESS**

Bachelor of Business Administration with a major in Accounting (BBA-ACC)	120
Bachelor of Business Administration with a major in Management Information Systems (BBA-MIS)	120
Bachelor of Business Administration with a concentration in:	
Business Administration (BBA-BA)	120
International Economics (BBA-ECO)	120
Finance (BBA-FIN)	120
Management (BBA-MGT)	120
Marketing (BBA-MKT)	120

GRADUATE DEGREES SANCHEZ SCHOOL OF BUSINESS

Master of Business Administration (MBA) with a concentration in the following areas:	
Accounting	30
Information Systems	30
International Business (taught in English and Spanish)	30
International Banking and Finance	30
International Trade Economics	30
Logistics	30
Management	30
Marketing	30
Master of Business Administration in International Trade (MBA-IT)	33
Master of Professional Accountancy (MPAcc)	30
Master of Science in Information Systems (MS-IS)	30
Doctor of Philosophy in International Business Administration (Ph.D.-IBA)	75

UNDERGRADUATE DEGREES COLLEGE OF EDUCATION

Bachelor of Science with a major in Communication Disorders (BS)	120
Bachelor of Science in Interdisciplinary Studies with a major in Bilingual Education Grades EC-6 Certification (BSIS)	130
Bachelor of Science in Interdisciplinary Studies with a major in Bilingual Education Grades 4 - 8 Certification (BSIS)	130
Bachelor of Science in Interdisciplinary Studies with a major in Early Childhood Education/Reading Specialization (BSIS)	124
Bachelor of Science with a major in Fitness and Sports with All-Level Certificate(BS)	126
Bachelor of Science with a major in Fitness and Sports (non-certificate) (BS)	120
Bachelor of Science with a major in All Level Special Education (BS)	124

GRADUATE DEGREES COLLEGE OF EDUCATION	
Master of Science in Curriculum and Instruction (MS) (Thesis and Non-Thesis)	36
Master of Science in Education with a major in Bilingual Education (MS-Ed) (Thesis and Non-Thesis)	36
Master of Science in Education with a major in Early Childhood Education (MS-Ed) (Thesis and Non-Thesis)	36
Master of Science in Education with a major in Educational Administration (MS-Ed) (Thesis and Non-Thesis)	36
Master of Science in Education with a major in Reading (MS-Ed)	39
Master of Science in Education Interventions for Autism (MS-Ed)	42
Master of Science in School Counseling (MS)	48
Master of Science in Special Education (MS) (Thesis and Non-Thesis)	36
 COLLABORATIVE DEGREES OFFERED BY TEXAS A&M UNIVERSITY:	
PH.D. IN CURRICULUM AND INSTRUCTION	
PH.D. IN EDUCATIONAL ADMINISTRATION	
 UNDERGRADUATE DEGREE CANSECO SCHOOL OF NURSING	
Bachelor of Science in Nursing (BSN)	120
 GRADUATE DEGREE CANSECO SCHOOL OF NURSING	
Master of Science in Nursing (MSN)	45

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.

COLLEGE OF ARTS AND SCIENCES	SCH
Anthropology	18
Applied Physics	20
Art History	21
Biology	24
Chemistry	21
Communication	18
Computer Science	20
Creative Writing	18
Criminal Justice	18
Dance	23
English	18
Environmental Science	20
Forensics	18
Geography and Urban Studies	18
Geology	21
Gerontology	18
History	18
Latin American Studies	18
Mathematics	24
Military Science	19
Music	24
Political Science	18
Psychology	18
Sociology	18
Spanish	21
Spanish-English Linguistics	18
Studio Art	21
Theater Arts	21
Translation of English and Spanish	18
Wildlife Management	22-23
Writing and Rhetoric	18
A. R. SANCHEZ, JR. OF BUSINESS	
Business Administration	18
Economics	18
Management	18
Management Information Systems	18
Marketing	18
COLLEGE OF EDUCATION	
Early Childhood Education	18
Health and Wellness	18
Reading	18
Special Education	

APPENDIX D

TEXAS COMMON COURSE NUMBERING SYSTEM

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:

www.TCCNS.org

TCCNS		TAMIU
ACCT 2301	Principles of Accounting I - Financial	ACC 2301
ACCT 2302	Principles of Accounting II - Managerial	ACC 2302
ANTH 2302	Introduction to Archaeology	ANTH 2302
ANTH 2346	General Anthropology	ANTH 2346
ARTS 1301	Art Appreciation	ARTS 1301
ARTS 1303	Art History I	ARTS 1303
ARTS 1304	Art History II	ARTS 1304
ARTS 1311	Design I	ARTS 1311
ARTS 1312	Design II	ARTS 1312
ARTS 1316	Drawing I	ARTS 1316
ARTS 1317	Drawing II	ARTS 1317
ARTS 2316	Painting I	ARTS 2316
ARTS 2323	Life Drawing I	ARTS 2323
ARTS 2326	Sculpture I	ARTS 2326
ARTS 2333	Printmaking I	ARTS 2333
ARTS 2346	Ceramics I	ARTS 2346
ARTS 2356	Photography I	ARTS 2356
ASTR 1103/1301	Stars and Galaxies	ASTR 1312/1112
ASTR 1104/1304	Solar System	ASTR 1311/1111
BCIS 1301	Microcomputer Applications	MIS 1305
BIOL 1406	Biology for Science Majors I	BIOL 1406
BIOL 1411	General Botany	BIOL1411
BIOL 1413	General Zoology	BIOL 1413
BIOL 2401	Anatomy&Physiology I	BIOL 2401
BIOL 2402	Anatomy&Physiology II	BIOL 2402
BIOL 2420	Microbiology for Non-Science Majors	BIOL 2415
BIOL 2421	Microbiology for Science Majors	BIOL 2421
CHEM 1105/1305	Introductory Chemistry	CHEM 1370/1170
CHEM 1406	Introductory Chemistry I (Allied Health Science)	CHEM 1406
CHEM 1411	General Chemistry I	CHEM 1411
CHEM 1412	General Chemistry II	CHEM 1412
CHEM 2423	Organic Chemistry	CHEM 2423
CHEM 2425	Organic Chemistry	CHEM 2425
COMM 1318	Photography I	COMM 2331
COMM 2324	Practicum in Electronic Media	COMM 2324
CRIJ 1301	Introduction to Criminal Justice	CRIJ 1301
CRIJ 1306	Courts and Criminal Procedures	CRIJ 1306
CRIJ 2313	Correctional Systems&Practices	CRIJ 2313
CRIJ 2328	Police Systems and Practices	CRIJ 2328

TCCNS

CRIJ 2329	Fundamentals of Criminal Law
DANC 1210	Tap I
DANC 1211	Tap II
DANC 1241	Ballet I
DANC 1242	Ballet II
DANC 1245	Modern Dance I
DANC 1246	Modern Dance II
DANC 1247	Jazz Dance I
DANC 1248	Jazz Dance II
DANC 1249	Ballet Folklorico I
DANC 1250	Ballet Folklorico II
DANC 1251	Dance Performance I
DANC 1252	Dance Performance II
DANC 1350	Ballet Folklorico II
DANC 1351	Dance Performance I
DANC 1352	Dance Performance II
DANC 2208	Tap III
DANC 2209	Tap IV
DANC 2241	Ballet III
DANC 2242	Ballet IV
DANC 2245	Modern Dance III
DANC 2246	Modern Dance IV
DANC 2247	Jazz Dance III
DANC 2248	Jazz Dance IV
DANC 2349	Ballet Folklorico III
DANC 2350	Ballet Folklorico IV
DANC 2351	Dance Performance III
DANC 2352	Dance Performance IV
DRAM 1120	Theater Practicum I
DRAM 1330	Stagecraft I
ECON 1301	Introduction to Economics
ECON 2301	Principles of Macroeconomics
ECON 2302	Principles of Microeconomics
ENGL 1301	Composition I
ENGL 1302	Composition II
ENGL 2311	Technical and Business Writing
ENGL 2322	British Literature I
ENGL 2323	British Literature II
ENGL 2327	American Literature I
ENGL 2328	American Literature II
ENGL 2332	World Literature I
ENGL 2333	World Literature II
ENGR 1201	Introduction to Engineering
FREN 1311	Beginning French I
FREN 1312	Beginning French II
FREN 2311	Intermediate French I
FREN 2312	Intermediate French II
GEOG 1301	Physical Geography
GEOG 1303	World Regional Geography
GEOL 1101	Earth Sciences Lab
GEOL 1103	Physical Geology Lab
GEOL 1105	Environmental Geology Lab
GEOL 1301	Earth Science

TAMU

CRIJ 2329
DANC 1210
DANC 1211
DANC 1241
DANC 1242
DANC 1245
DANC 1246
DANC 1247
DANC 1248
DANC 1249
DANC 1250
DANC 1251
DANC 1252
DANC 1350
DANC 1351
DANC 1352
DANC 2210
DANC 2211
DANC 2241
DANC 2242
DANC 2245
DANC 2246
DANC 2247
DANC 2248
DANC 2349
DANC 2350
DANC 2351
DANC 2352
THAR 2100
THAR 1301
ECO 1301
ECO 2301
ECO 2302
ENGL 1301
ENGL 1302
ENGL 2311
ENGL 2322
ENGL 2323
ENGL 2327
ENGL 2328
ENGL 2332
ENGL 2333
ENGR 1211
FREN 1311
FREN 1312
FREN 2311
FREN 2312
GEOG 1301
GEOG 1303
EPSC 1170
GEOL 1103
GEOL 1105
EPSC 1370

DANC	2210, 2211	Tap III, Tap IV
DANC	2241, 2242	Ballet III, Ballet IV
DANC	2247, 2248	Jazz III, Jazz IV
DANC	2303	Dance Appreciation
DANC	2349, 2350	Ballet Folklórico III, Ballet Folklórico IV
DANC	2351, 2352	Dance Performance III: Modern, Dance Performance IV: Modern
DANC	2351, 2352	Dance Performance III: Flamenco, Dance Performance IV: Flamenco
ENGL	2307	Introduction to Creative Writing
MUAP	1113	Applied Music Instruction
MUAP	1213	Applied Music Instruction
MUEN	1130	Chorale
MUEN	1133	Guitar Ensemble
MUEN	1137	Marching Band
MUEN	1140	Band
MUEN	1143	TAMIU Orchestra
MUEN	1150	Chamber Music
MUEN	1160	Mariachi
MUSI	1100	Music and Children
MUSI	1157, 1158	Opera Workshop I, Opera Workshop II
MUSI	1161	Diction I English and Italian
MUSI	1183	Piano Class I (non-majors)
MUSI	1184	Piano Class II (non-majors)
MUSI	1301	Music Fundamentals
MUSI	1302	Computer/Electronic Music
MUSI	1306	Music Appreciation
MUSI	1307	Music Literature and Elements of Musical Style
MUSI	1310	American Popular Music
MUSI	2157, 2158	Opera Workshop III, Opera Workshop IV
MUSI	2160	Diction II German
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CRIJ	1301	Introduction to Criminal Justice
ECO	1301	Survey of Economics
ECO	2301	Principles of Macroeconomics
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GEOG	1301	Physical Geography
GEOG	1303	General World Geography
GIS	2301	Survey of Geographic Information
HIST	1310	Military History of the U. S.
HIST	2321	World Civilization to 1648
HIST	2322	World Civilization since 1648
HUM	2301	The Western Cultural Tradition
PHIL	1301	Introduction to Philosophy
PHIL	2301	Introduction to Logic
PHIL	2306	Ethics
PSCI	2304	Introduction to Political Science
PSYC	2301	Introduction to Psychology
SOCI	1301	Introduction to Sociology
SOCI	1306	Contemporary Social Problems and Social Policy

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PHYS 1302	College Physics II
PHYS 1315	Physical Science I
PHYS 2125	University Physics Lab I
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PORT 1312	Beginning Portuguese II
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PSYC 2312	Human Development
PSYC 2317	Statistical Methods in Psychology
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SPAN 2313	Spanish for Native Speakers I
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SPCH 1311	Introduction to Speech Communication
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