

# Texas A&M University – San Antonio University Catalog 2012-2013

## **Accreditations, Certifications and Approved Programs**

Southern Association of Colleges and Schools  
Texas A&M University-San Antonio is accredited as a part of Texas A&M University-Kingsville.

Texas A&M University-Kingsville is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the bachelor's, master's, and doctoral degrees. Texas A&M University-San Antonio is part of Texas A&M University-Kingsville and is currently seeking separate accreditation by the Southern Association of Colleges and Schools Commission on Colleges. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Texas A&M University-San Antonio.

Teacher/Educator Certification Accredited by the Texas State Board of Educator Certification in relationship with  
Texas A&M University-Kingsville.

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# GENERAL INFORMATION

## **Purpose of the Catalog**

This catalog is the official bulletin of Texas A&M University-San Antonio for the 2012-2013 academic year, in which are published the record of the year closing, the announcements for the coming year and the official administrative procedures which will be in effect during the coming year. Fees and administrative procedures (except standards and requirements for degrees) are, however, subject to change. This catalog may be viewed online at <http://www.tamusa.tamus.edu>.

The courses of instruction announced herein are those that are available for offering during the sessions of August 2012-August 2013. Courses to be offered during any one semester or summer term are posted in the *Jaguar Connection* prior to registration for a particular semester or term. To meet evolving needs, the University does reserve the right to make changes in courses and to offer only those for which a sufficient number of students register.

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

## **Student Responsibility**

Each student is responsible for knowing the academic administrative procedures in the Catalog. Unfamiliarity with these regulations does not constitute a valid reason for failure to fulfill them.

## **Equal Opportunity Policy**

In compliance with Title VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973 and Executive Order 11246, Texas A&M University-San Antonio is open to all persons regardless of race, color, religion, sex, national origin, age or disability who are otherwise eligible for admission as students. A&M-San Antonio does not discriminate on the basis of disability in admission or access to its programs.

Texas A&M University-San Antonio is an Equal Opportunity/Affirmative Action Employer and no applicant or employee will be discriminated against because of race, color, age, religion, sex, national origin or disability in any personnel action. This University will not enter knowingly into contractual agreements for services or supplies with any firm failing to follow fair employment practices.

## **University Assessment**

Students enrolled at Texas A&M University-San Antonio are required to participate in University assessment activities for the evaluation and improvement of University programs and curricula.

## **History**

Texas A&M University-San Antonio was created in 2000 to address an educational need in south San Antonio. The Texas Legislature asked The Texas A&M University System to establish a center that would offer junior- and senior-level courses in south San Antonio, an area that has been historically underserved in terms of higher education. The University, then known as Texas A&M University-Kingsville System Center-San Antonio, was approved by the Texas Higher Education Coordinating Board in January 2000. On May 23, 2009, Gov. Rick Perry signed Senate Bill 629 that created Texas A&M University-San Antonio as a stand-alone university. Texas A&M University-San Antonio is now an upper-division university offering bachelor's and master's degree programs.

## **Mission of the University**

Texas A&M University-San Antonio faculty and staff prepare and empower students through innovative and challenging academic and co-curricular programs that contribute to and enrich the economic and social development of the community and region. A solid foundation for success is established through dynamic teaching, scholarship, research, and public service that inspire graduates to lifelong learning and responsible global citizenship.

**TEXAS A&M UNIVERSITY-SAN ANTONIO**

One University Way  
San Antonio, Texas 78224  
(210)784-1000

A Member of The Texas A&M University System

John Sharp, *Chancellor*

**Board of Regents**

Richard A. Box, Austin, *Chairman*

Phil Adams, Bryan/College Station, *Vice Chairman*

Morris E. Foster, Houston

Elaine Mendoza, San Antonio

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Jim Schwertner, Austin

Cliff Thomas, Victoria

John D. White, Houston

James P. Wilson, Sugar Land

John "Quinten" D. Womack, Student Regent, Texas A&M University-Kingsville

**TEXAS A&M UNIVERSITY-SAN ANTONIO**  
***University Administration***

Maria Hernandez Ferrier, *President*  
Extension 1600; Main Campus Building, Room 312D

Brent Marriott Snow, *Provost and Vice President for Academic Affairs*  
Extension 1200; Main Campus Building, Room 303D

Kenneth Mitts, *Vice President for Finance and Administration and CFO and  
Interim Vice President for Student Affairs*  
Extension 2000; Main Campus Building, Room 311B

Charles G. Rodriguez, *Chief of Staff and Vice President for Strategic Initiatives,  
and Military Affairs*  
Extension 1170; Main Campus Building, Room 309D

Marilu Reyna, *Associate Vice President for University Communications*  
Extension 1101; Main Campus Building, Room 309D

Tracy Hurley, *Interim Associate Vice President for Academic Affairs and  
Head of the School of Business*  
Extension 2300; Brooks City-Base, Bldg. 775, Room 190

Mirley Balasubramanya, *Head of the School of Arts & Sciences*  
Extension 2224; Main Campus Building, Room 212E

Eric López, *Head of the School of Education & Kinesiology*  
Extension 2500; Main Campus Building, Room 212B

# TEXAS A&M UNIVERSITY-SAN ANTONIO

## *Campus Locations*

Situated in San Antonio's South Side, Texas A&M University-San Antonio serves an area comprising the greater San Antonio and Bexar County region and the surrounding South Texas counties. San Antonio, the county seat of Bexar County, is a city of approximately 1,330,000. The majority of Texas A&M University-San Antonio's administrative offices are located at the University's permanent campus, which is located on approximately 700 acres southeast of the intersection of Loop 410 and S. Zarzamora.

### **Main Campus Building (MC01)**

One University Way  
San Antonio, TX 78224

University Way is close to S. Zarzamora and Loop 410.

### **Brooks City-Base Campus (BCBA)**

2601 Louis Bauer Drive  
San Antonio, TX 78235

### **Alamo University Center-San Antonio (AUCS)**

8300 Pat Booker Road  
Live Oak, TX 78233

### **Gillette Campus (SCCA; SCAD)**

1450 Gillette Boulevard  
San Antonio, TX 78224

### **University location acronyms**

Beginning fall semester 2011, University location acronyms are as follows:

MC01 - Main Campus Building (410 & Zarzamora)  
BCBA - Brooks City-Base Academic  
BCBK - Brooks City-Base Kinesiology  
SCCA - Main Campus (Classroom Annex)  
SCAD - Main Campus (Administration Building)  
GCP1 - Portable 1 (on Main Campus)  
GCP2 - Portable 2 (on Main Campus)  
GC03 - Gillette Campus (Gym)  
AUCS - Alamo University Center-San Antonio

## TEXAS A&M UNIVERSITY-SAN ANTONIO 2012-2013 ACADEMIC CALENDAR

Dates and times subject to change. Official calendar and registration information appears each semester in the class schedule.

### Fall 2012

August 6	Emergency Loan available for fall
August 24	Fall Payment Deadline. A \$35 fee will be assessed for paying after this date
August 28	Last day for 100% refund for withdrawal (dropping all classes)
August 29	First class day
August 29	Graduation Application Fee Deadline
September 5	Permission from professor required to register for classes
September 3	Labor Day-Holiday
September 14	NO REGISTRATION BEYOND THIS POINT. Twelfth Class Day Census Date.
September 14	Deadline for students applying for Fall 2012 graduation to complete the Change of Name and/or Change of Major form(s) at Welcome Center, if applicable
September 3- November 1	Period for students to apply for Spring 2013 graduation.
October 31	Fall Emergency Loan Due
November 5	Title IV 60% of semester
November 6	Last day to drop with automatic "Q"
November 5	Registration for Spring Semester 2013 begins
November 22-24	Thanksgiving Holiday
December 2- February 3	Period for students to apply for Summer 2013 graduation
December 3	Emergency Loan available for Spring 2013
December 7	Last day to drop a course or withdraw from the university
December 8	Last Day of Class
December 10	Study Day
December 11-17	Final Exams
December 18	Fall Commencement
December 19	All grades due via Jaguar Connect by Noon.

### Spring 2013

January 10	Application deadline for Spring 2013
January 21	Martin Luther King Jr. Day Holiday
December 2- February 3	Period for students to apply for Summer 2013 graduation
January 9	Spring Payment Deadline. A \$35 fee will be assessed for paying after this date.
January 15	Last day for 100% refund for withdrawal (dropping all classes)
January 16	First day of class
January 16	Spring 2013 Graduation Application Fee Deadline.
January 31	NO REGISTRATION BEYOND THIS POINT. Twelfth Class Day. Census Date.
January 31	Deadline for students applying for Spring 2013 graduation to complete the Change of Name and/or Change of Major form(s) at the Welcome Center, if applicable.
February 28	Spring Emergency Loan Due
March 3-June 2	Period for students to apply for Fall 2013 graduation.
March 11-16	Spring Break
March 28	Title IV 60% of semester

March 21	Last day to drop a course with an automatic “Q”
March 29-30	Easter break – No Class
April 1	Registration for Summer/Fall 2013 begins
April 26	Battle of Flowers Parade- no class
March 3-Jun. 2	Period for students to apply for Fall 2013 graduation
May 1	Last day to drop a course or withdraw from the university
May 2	Last day of class
May 3	Study Day
May 4-10	Final Exams
May 17	Commencement
May 15	All grades due via Jaguar Connect by Noon

### **10-Week Summer Session 2013**

May 6	Emergency Loan available for summer
June 1	Application deadline for 10-Week Summer Session 2013
March 3-June 2	Period for students to apply for Fall 2013 graduation.
June 2	Last day for 100% refund for withdrawal (dropping all classes)
June 3	First day of class
June 21	Census Date
July 4	Holiday-no class
July 17	Title IV 60% of semester
July 18	Last day to drop a course with an automatic “Q”
July 31	Summer Emergency Loan due
August 14	Last day to drop a course or withdraw from the university
August 15	Last day of class
August 16	Final Exams
August 21	All Grades for 10-Week Summer Session Due by Noon via Jaguar Connect

### **First 5-Week Summer Session 2013**

May 6	Emergency Loan available for summer
June 1	Application deadline for First 5-Week Summer Session 2013
March 3-June 2	Period for students to apply for Fall 2013 graduation.
June 2	Last day for 100% refund for withdrawal (dropping all classes)
June 3	First day of class
June 6	Census Date
June 25	Title IV 60% of semester
June 26	Last day to drop a course with an automatic “Q”
July 4	Holiday- no class
July 9	Last day to drop a course or withdraw from the university
July 10	Last day of class
July 11	Final exams
July 15	All Grades for 1 <sup>st</sup> 5-Week Summer Session Due by Noon via Jaguar Connect
July 31	Summer Emergency loan due.



### **Second 5-Week Summer Session 2013**

May 6	Emergency Loan available for summer
July 1	Application deadline for Second 5-Week Summer Session 2013
July 11	Last day for 100% refund for withdrawal (dropping all classes)
July 12	First day of class
July 17	Census Date
July 31	Summer Emergency loan due
August 2	Title IV 60% of semester
August 5	Last day to drop a course with an automatic "Q"
August 14	Last day to drop a course or withdraw from the university
August 15	Last day of class
August 16	Final exams
August 21	All Grades for 2 <sup>nd</sup> 5-Week Summer Session Due by Noon via Jaguar Connect

## ADMISSION TO THE UNIVERSITY

**Jennifer Zamarripa, Director of Admissions and Registrar**  
**Main Campus Building, Room 108**  
**(210)784-1300**

Texas A&M University-San Antonio adheres to high standards of academic excellence and admits students in accordance with their level of academic preparation without regard to race, color, sex, age, religious commitment or national origin. All inquiries about admission, application for admission and transcripts of credit should be addressed to the Office of Admissions.

NOTE: Admission to the University does not guarantee admission to a particular college or academic program.

### UNDERGRADUATE ADMISSION REQUIREMENTS

#### Admission Deadlines

It is suggested that applications and required documentation be submitted to the Office of Admissions by the following deadlines to ensure the application is processed prior to the beginning of the semester:

Fall Semester:	August 20
Spring Semester:	January 10
Summer I and 10 Week:	June 1
Summer II:	July 1

International students should refer to the international admissions section of this catalog for deadline information.

#### Transfer Admission Procedures

1. Submit a completed application for admission, including the non-refundable \$15 application fee, by the stated deadline (see Admission Deadlines). The Apply Texas Application is available online at <https://www.applytexas.org>.
2. Submit official transcripts from ALL other universities and colleges attended. Course work taken at other colleges and/or universities will be converted into Texas A&M University-San Antonio equivalents where appropriate.

Applications will not be evaluated until all transcripts from previous colleges and/or universities are received.

Transfer students who do not meet published admission criteria do not qualify for automatic admission to Texas A&M University-San Antonio. Transfer students in this category who wish to receive further review must contact the head of their academic school for consideration. If their academic school head recommends admission, students will be admitted with an academic status of Scholastic Probation and must maintain a 2.0 GPA during their first semester of enrollment at Texas A&M University-San Antonio. Failure to maintain a 2.0 GPA during the first term of enrollment will result in dismissal from the institution.

#### Admission for Transfer Students

Students applying with 45 or more transferable semester credits must have a cumulative grade point average of at least 2.0 on a 4.0 scale from all the other institutions that are fully approved by the appropriate regional accrediting agency and be eligible to return to their previous college or university.

Admission to the University does not guarantee admission to a particular college or academic program.

### **Admission Requirements for Non-Degree Seeking and Transient Students**

The non-degree category of admission is designed for students who are attending another college or university and want to enroll at Texas A&M University-San Antonio for one or two courses **and** are not interested in pursuing a degree at Texas A&M University-San Antonio. Non-degree seeking and transient students:

- are admitted only for one semester at a time. If continued enrollment is desired, students must follow the appropriate admission application procedures.
- are not eligible for financial assistance.
- must show proof of TSI compliance.
- must show proof of having completed at least 45 semester credit hours.

Students applying as non-degree seeking must submit a completed Application for Admission, official copy of their **most recent** transcript and the \$15 application fee according to the Admissions deadlines. The Apply Texas Application is available online at <https://www.applytexas.org>.

### **Readmission**

Former students who have had a break in enrollment of more than one year at this university must update their records and submit a readmission application to the Office of Admissions prior to being given permission to register. Those who have taken college work at another institution and who are in good academic standing at that institution must request that official transcripts be sent to the Office of Admissions. Permission to register will be granted if a student is in good standing (a 2.0 overall grade point average) and the readmission application is submitted to the Office of Admissions. If work from former institutions is evaluated after readmission and it is determined that the student's transfer grade point average is below 2.0, the student will be deemed ineligible to continue.

### **Transfer Credit Calculation and Evaluation**

The transfer grade point average is calculated on all transferred college work the applicant has undertaken, whether passed or failed. Transfer grades cannot be used to raise the grade point average at Texas A&M University-San Antonio.

Texas A&M University-San Antonio allows students to transfer lower-division (freshman and sophomore) courses from a community college. Although general credit may be granted, not all course work will necessarily be used for graduation requirements. **For a timely evaluation, please see “Admission Deadlines” for information concerning submission of credentials to the Office of Admissions.**

### **Undergraduate Students Subject to Senate Bill (SB) 1231**

Undergraduate students who completed a high school program, or the equivalent, and entered a Texas public institution of higher education for the first time on or after the fall semester of 2007 are subject to the requirements of SB 1231.

Beginning with the 2007-2008 academic year, undergraduate students subject to SB 1231 will be permitted only six (6) non-punitive drops during their undergraduate studies. Therefore, drops falling under SB 1231 annotated on official transcripts received from other colleges and/or universities will be transferred to Texas A&M University-San Antonio for the purpose of maintaining the number of drops accumulated by the student.

For additional information on drops subject to SB 1231, refer to the section of the catalog titled “Academic Regulations” under the sub-title of “Dropping a Course.”

### **Resolution of Transfer Disputes for Lower Division Courses**

The following procedures shall be followed by Texas A&M University-San Antonio in the resolution of credit transfer disputes involving lower division courses:

1. If Texas A&M University-San Antonio does not accept course credit earned by a student at another institution of higher education, the university shall give written notice to the student and to the sending institution that transfer of the course credit is denied. Texas A&M University-San Antonio shall provide written notice of the reasons for denying credit for a particular course or set of courses at the request of the sending institution.

2. A student who receives notice as specified in No. 1 above may dispute the denial of credit by contacting a designated official at either the sending institution or Texas A&M University-San Antonio.
3. Texas A&M University-San Antonio, the sending institution, and the student shall attempt to resolve the transfer of the course credit in accordance with Coordinating Board rules and guidelines.
4. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, Texas A&M University-San Antonio shall notify the Commissioner of its denial and the reasons for the denial.
5. The Commissioner of Higher Education or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.

The Coordinating Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered by the Commissioner or the Commissioner's designee.

If Texas A&M University-San Antonio has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it should first contact the sending institution and attempt to resolve the problem. In the event that Texas A&M University-San Antonio and the sending institution are unable to come to a satisfactory resolution, Texas A&M University-San Antonio may notify the Commissioner of Higher Education, who may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for the course.

## **International Admission Requirements**

### **Application Deadlines**

A complete file must be submitted prior to June 1 for fall admission, October 1 for spring admission, and April 1 for summer admission. Applications received after these dates will automatically be deferred to the next semester or term.

### **International Admissions Requirements**

To be fully admitted, all international applicants must submit the following items before established deadline dates:

1. An application for International Admissions found at <https://www.applytexas.org>.
2. Official transcripts showing subjects and marks received, diplomas and/or certificates earned from any colleges or universities attended.
3. Certified evaluation of all credentials issued in any language other than English.
4. Proof of English proficiency (see below).
5. Proof of ability to meet personal and academic expenses. A minimum of \$26,694 (U.S.) per year is currently required to meet such expenses. Valid financial support documents (less than one year old from the issue date) must indicate the minimum U.S. dollar amount required by the university. The required minimum is subject to change without notice.
6. A \$50 non-refundable application fee must accompany the application. Without a fee your application packet will not be processed. Bank money orders must be issued in U.S. dollars by a U.S. bank or credit card with authorization letter.

Texas A&M University-San Antonio International Student Services Office will evaluate a student's academic documents and determine institutional accreditation/recognition, whether the GPA requirements are met, and whether any degree/diploma earned is equivalent to a U.S. bachelor's degree.

**Transfer Admission**

Undergraduate applicants who have attended a post-secondary level institution, and who have completed 12 or more transferable semester credits at an accredited/recognized institution must post a minimum cumulative grade point average of 2.0 on a 4.0 scale for all post-secondary work attempted **and** be in good standing with the college or university last attended.

**Proof of English Proficiency**

A minimum TOEFL score of 500 (paper-based), 173 (computer-based), or 61 (Internet-based) is required. The following are considered equivalencies to the TOEFL scores of 500/173/61:

1. SAT Verbal 500; ACT Verbal 19 English; TAKS 2200 English/3 Writing; TAAS 1770; SLEP 53; or IELTS 5.0 overall band score.\*
2. Completion of the advanced-level Texas Intensive English Program (TIEP) offered by the Texas International Education Consortium (TIEC).
3. Students who have completed their entire formal education at the secondary or postsecondary level in the following countries are exempt from the TOEFL requirement: American Samoa, Australia, Bahamas, Barbados, Belize, Canada (except Quebec), Cayman Islands, Dominica, Federated States of Micronesia, Grenada, Guam, Guyana, Jamaica, Liberia, New Zealand, United Kingdom (all), Trinidad-Tobago and Virgin Islands. **Please note:** Applicants from Puerto Rico, where Spanish is the primary language, are required to submit a TOEFL or equivalent.
4. Based on the review and decision of the International Student Services Office, students who have earned at least 12 credits, with a grade C or better in each, in university-level courses, from a U.S. institution or an institution in one of the countries listed above, may be exempt from TOEFL.
5. ACCUPLACER 78 Reading/88 Writing/5 or higher on Essay is required by all students and will be used as a TOEFL exemption.

SAT or ACT scores are not required for admission but will be used for placement purposes in English and math courses as well as a TOEFL alternative.

## Texas Success Initiative (TSI)

The Texas Success Initiative (TSI) requires students to be assessed in reading, writing and mathematical skills before enrolling in a Texas public college or university. Texas Education Code Section 51.3062 provides institutions of higher education a means of determining students' readiness to enroll in freshman-level course work. Students are required to complete one of four assessment tests before enrolling at Texas A&M University-San Antonio unless they meet one of the exemptions explained later in this document.

### Exemptions

Students are exempt from taking a test for TSI if a qualifying score has been made on the ACT, the SAT or the TAKS. It is the responsibility of the student to provide official ACT, SAT or TAKS scores to Texas A&M University-San Antonio to qualify for an exemption before enrollment in college level courses.

These exemptions are effective for three years from the date a student takes the exit-level TAKS and achieves the set score level. It is effective for five years from the date the ACT or the SAT is taken and the set standard is achieved. Students enrolling for the first time in a Texas public institution of higher education after those periods have elapsed must be treated as though they had not been tested.

ACT	Obtain a composite score of 23 with a minimum of 19 on the English and/or the mathematics tests.
SAT	A combined score of 1070 with a 500 on the math and/or verbal sections.
TAKS	2200 in Math and/or 2200 in English/Language Arts <b>with</b> a writing sub-score of at least 3.
Military	Students who are serving on active duty as a member of the armed forces of the United States, Texas National Guard or reserves of the armed forces of the United States (must have served for the previous three years for those in the reserves), and those honorably discharged as of August 1, 1990 are exempt from TSI.

## GRADUATE ADMISSION REQUIREMENTS

In order to apply for admission to Graduate Studies, the applicant must submit an application directly to the Office of Admissions. A student must be admitted both to Graduate Studies and to a specific program in order to take courses for graduate credit. This applies to students with an undergraduate degree from Texas A&M University-San Antonio as well as to others.

Students must receive a satisfactory score on the appropriate nationally standardized graduate aptitude examination(s). These scores are valid for a period of five years from the date taken. Students with graduate degrees from colleges officially approved by Texas A&M University-San Antonio who are seeking a certificate or endorsement only are exempt from the nationally standardized graduate aptitude examination requirement.

All students wanting to attend Texas A&M University-San Antonio must be proficient in the use of English. Students, regardless of immigration status, whose educational instruction has not been in the English language and/or whose first or native language is not English, must demonstrate proficiency in English. Please refer to the Proof of English Proficiency section for more information.

Texas A&M University-San Antonio complies with H.B. 1641 which considers various factors in making a decision for admission into a graduate or professional program.

### Admission Deadlines

Completed applications and required documentation must be submitted to the Office of Admissions, Texas A&M University-San Antonio, by the following deadlines to ensure the application is processed prior to the beginning of the semester:

Fall Semester:	August 20
Spring Semester:	January 10
Summer I and 10 Week:	June 1
Summer II:	July 1

Schools and/or programs may have a different application deadline than the University deadlines shown above. Check with the department to verify the deadline.

### Admission Requirements – Domestic Applicants

Students seeking admission to master's programs at Texas A&M University-San Antonio must submit the following:

1. Completed application for admission, including the non-refundable \$35 application fee. The Apply Texas Application is available online at <https://www.applytexas.org>.
2. Official transcripts from all colleges or universities attended. Students must be awarded a baccalaureate degree before admission into a graduate degree can occur. Degrees received must be posted on the transcript of the awarding institution.
3. Results of the nationally standardized examination sent directly to Office of Admissions, Texas A&M University-San Antonio, by the testing center. TAMU-SA's GRE code is 6712; the GMAT code is 7B7-9D-05; and the MAT code is 3013)

### Admission Requirements – International Applicants

Students seeking admission to master's programs at Texas A&M University-San Antonio must submit the following:

1. Completed application for admission, including the non-refundable \$50 application fee. The Apply Texas Application is available online at <https://www.applytexas.org>.

2. Official transcripts (showing subjects and marks received), diplomas and/or certificates earned from any colleges or universities attended.
3. Certified, literal translations of all credentials issued in any language other than English.
4. Proof of English proficiency (see below).
5. Results of the nationally standardized examination sent directly to the International Student Services Office, Texas A&M University-San Antonio, by the testing service. (GRE code is 6712 and GMAT code is 7B7-9D-05; MAT code is 3013)
6. Proof of ability to meet personal and academic expenses. A minimum of \$24,624 (U.S.) per year is currently required to meet such expenses. Valid financial support documents (less than one year old from the issue date) must indicate the minimum U.S. dollar amount required by the University. The required minimum is subject to change without notice.

### **Proof of English Proficiency**

Texas A&M University-San Antonio requires all applicants, regardless of immigration status, whose educational instruction has not been in the English language and/or whose first or native language is not English, to demonstrate proficiency in English. Because most applicants report the Texas of English as a Foreign Language (TOEFL) score, Texas A&M University-San Antonio bases its minimum English language proficiency requirements on the TOEFL. Texas A&M University-San Antonio requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based) or 79 (Internet-based). Students must use Texas A&M University-Kingsville's school code for the TOEFL, which is 6822.

An IELTS overall band score of 6.0 or above is considered equivalent to the TOEFL scores.

Admission requirements for any graduate program may vary based on the particular program. Refer to the program for which you want to apply for additional admission/entrance requirements.

All applicants must be accepted by the department/school program coordinator into a particular program for which they are applying after they have been screened to meet the minimum entrance requirements to Graduate Studies. Admission to Graduate Studies does not guarantee admission to a particular program.

### **Graduate Admission Categories**

#### *Unconditional Admission*

This status is assigned to entering students who have earned a baccalaureate degree from a recognized college or University and who meet one of the following Graduate Studies minimum requirement sets:

1. Have an undergraduate cumulative grade point average between 2.00-2.59 and a minimum GRE composite (Q+V) score of 1000 or minimum MAT score of 398 (optional test to the GRE for Education majors only).
2. Have an undergraduate cumulative grade point average between 2.60-2.99 or an undergraduate grade point average of 3.00 or higher for the last 60 semester credits (or 90 quarter credits), and a minimum GRE composite score of 800 or minimum MAT score of 388.
3. Have an undergraduate cumulative grade point average between 3.00-4.00 and a minimum GRE composite score of 800 or minimum MAT score of 388.
4. Business Administration majors must meet the combined GPA and GMAT requirements as shown in the Graduate Admission Summary Table below.

#### *Conditional Admission*

**International applicants are not eligible for Conditional Admission at Texas A&M University-San Antonio.**



Conditional Admission means that an applicant's standardized test results have not been received by the Office of Admissions by the time of registration for a given semester. A student will be allowed to enroll in a maximum of 9 semester hours when admitted conditionally. The student must submit standardized test scores during the first semester of enrollment to be admitted to unconditional status. Graduate students in the School of Business who are required to complete Foundation/Stem courses must submit their minimum required GMAT score before enrolling in their second semester of taking courses other than Foundation/Stem courses. Until this condition is met, the student may not enroll in subsequent semesters.

**Graduate Admission Summary Table**

School/Department	Admission Status	GPA of 2.00-2.59	GPA of 2.60-2.99	GPA of 3.00-4.00
Arts and Sciences	Unconditional		1000 or higher on GRE (V+Q)	800 or higher on GRE (V+Q)
Education and Kinesiology	Unconditional	1000 or higher on GRE (V+Q) OR 398 or higher on MAT		800 or higher on GRE (V+Q) OR 388 or higher on MAT
Business	Unconditional	Overall GPA X 200 + GMAT score must equal at least 970 for Degree status OR GPA on last 60 hours X 200 + GMAT score must equal at least 1050 for Degree status		

*Note: The applicant is allowed into Graduate Studies when he/she meets the above requirements. Applicants with an overall undergraduate GPA between 2.00-2.59 must have a GRE score (V+Q) of 1000 or better to gain admission. To enter into a specific graduate program, the student must then meet the program's specific requirements which are based on GRE or GMAT/GPA sliding scales (i.e., business). Most of the programs in education and the arts and sciences accept students who meet the minimal Graduate Studies admission standards. Under all circumstances, the appropriate graduate coordinator for the academic program may make exceptions to these admission standards.*

NOTE: Graduate students in the School of Business may petition to be moved from Conditional to Probationary admission status with the submission of a GMAT score and a letter requesting and justifying the change in admission status with explanation as to why standards for unconditional admission were not achieved. Students may petition to the status of unconditional admission after completing 12 semester hours in the *Master of Business Administration Program*. At least 6 of these hours must include at least two of the following courses: ACCT 5311, ECON 5329, FINC 5331, MGMT 5325, and MGMT 5337. In addition, the student must have a cumulative graduate GPA of 3.25 or higher in the MBA coursework taken at Texas A&M University-San Antonio (exclusive of any MBA Stem Courses). Any graduate coursework taken beyond the 12 semester hours while on probationary status may not count towards a degree at the discretion of the MBA/MPA Coordinator.

**Prerequisite Course work for Graduate Study**

Eighteen semester hours of undergraduate courses in the major subject area, including 12 advanced semester hours, are prerequisite for all graduate study. Each school has the right to examine an applicant's prerequisites and to accept certain equivalent hours or to require additional work if the graduate coordinator and the student's program chair feel it is necessary.

**Graduate Readmission**

Students who were admitted with a graduate status within the last five years may be readmitted as graduate students. Readmission applications can be submitted at [www.applytexas.org](http://www.applytexas.org). Those students who have remained continuously inactive in excess of five years must meet the current admission standards before being readmitted. Post-masters students from Texas A&M University-San Antonio who are returning for certification can be

readmitted under the initial admission standards of their masters program. Students returning for certification must complete another application for admission ([www.applytexas.org](http://www.applytexas.org)) to be admitted for the certification program.

### **Admission to a Specific Program**

Admittance to Graduate Studies does not guarantee acceptance into a specific program. Standards for admittance to a specific program are set by the academic school which offers the program. Students must therefore check the admission requirements to the program of interest before they seek admission to Graduate Studies.

Before admission to a specific degree program, the graduate coordinator for the program must accept the student. The program advisor will direct the degree plan and research through the student's graduate committee. The composition of the student's graduate committee varies from program to program; however, at least one member must be from each program segment.

If, after admittance to a specific program, the applicant desires a different program, the student must be admitted to the new program before being allowed to register again. Failure to follow policy and procedure may void the application of any courses completed toward a degree in a specific program.

### **Graduating Seniors**

A Texas A&M University-San Antonio student in the last semester of undergraduate work may, by written request to the Director of Graduate Studies, the undergraduate school head and graduate coordinator, enroll for a maximum of 6 semester hours of graduate work consistent with the normal load regulations for graduate students and cannot exceed a total of 15 semester credit hours in the fall/spring semester and no more than 6 semester credit hours in a summer term. . The graduate courses may not be used to satisfy requirements for the baccalaureate degree. The student must satisfy the communication skills competency requirements and must have a grade point average in excess of 2.6 on a 4.0 scale and can only be enrolled in senior level courses (4XXX). This request must be approved before the student registers for the graduate courses. Forms for Concurrent Enrollment are available through each department. Note: Students who participate in concurrent enrollment will not be eligible to receive financial aid for the graduate level courses they are enrolled in. Students are responsible for payment of tuition and fees for those courses.

### **Transfer Students and Transferred Grades**

Only grades of *A* or *B* earned on applicable graduate level courses which have been approved in writing by the graduate coordinator/advisor, the Department Chair, School Head, and Director of Graduate Studies may be transferred for graduate level credit. Course work in which no formal grades are given (ex., *CR*) is not acceptable for transfer credit without the approval of the Director of Graduate Studies. Transferred grades cannot be used to raise the grade point average of either the major or supporting field courses taken at Texas A&M University-San Antonio. Transferred courses must have been taken within the last five years. Students must speak with a graduate advisor regarding transferring courses to their degree plan.

The total number of graduate credit hours that may be transferred and accepted to apply toward a specific degree is found under the description of each degree plan offered. In all cases, no more than twelve hours of the total number of semester hours required for a master's degree may be transferred. Such courses must be approved by the Director of Graduate Studies upon recommendation of the appropriate graduate coordinator and the student's program chair. None of the transferred courses may have been applied toward a previous degree. Note: Request for transfer credit must be made within the first semester of the student's enrollment at Texas A&M University-San Antonio.

### **Concurrent Enrollment at Other Institutions**

Credit earned by a student at another institution while concurrently enrolled at Texas A&M University-San Antonio will be transferred only if the student has received written approval from the graduate coordinator/advisor. This approval will be given consistent with Texas A&M University-San Antonio's normal course load regulation. Please speak with your graduate advisor regarding enrolling at another institution.

## **MENINGITIS INFORMATION**

Texas Senate Bill 1107, which was passed and signed into law by Texas State Governor Rick Perry, requires all students (under age 30) entering an institution of higher education (public and private) to either receive a vaccination against bacterial meningitis or meet certain criteria for declining such a vaccination before the first day of the semester. In addition, students who have taken a break in enrollment of at least one fall or spring semester at the same or another institution are also required to show evidence of the vaccination. Transfer students are considered entering students. This information shall be maintained in accordance with Family Education Rights and Privacy Act Regulations and with Health Insurance Portability and Accountability Act. Senate Bill 1107 goes into effect January 1, 2012.

This requirement does not include:

- Students who are enrolled only in online courses or other distance education courses
- Students who are 30 years of age or older

As part of the implementation of Senate Bill 1107, Texas A&M University-San Antonio (TAMU-SA) has placed a registration hold on all new (incoming Summer 2012 or Fall 2012) and former students (those who did not attend TAMU-SA Spring 2012). The registration hold prevents new and former students at TAMU-SA from registering for classes until appropriate documentation has been submitted. Additional information about providing documentation of meningitis vaccination is available online:

<http://www.tamusa.tamus.edu/healthandwellness/meningitis.html>.

## Academic Regulations

**Jennifer Zamarripa, Director of Admissions and Registrar**  
**Main Campus Building, Room 108**  
**(210)784-1300**

### **Texas Success Initiative (TSI)**

The Texas Success Initiative requires students to be assessed in reading, writing and mathematical skills before enrolling in a Texas public college or university. Texas Education Code, section 51.3062, provides institutions of higher education a means of determining students' readiness to enroll in freshman-level course work. Students are required to complete one of four assessment tests before enrolling in course work at Texas A&M University-San Antonio unless they meet one of the TSI exemptions explained under "Admission to the University" (TEXAS SUCCESS INITIATIVE).

### **Academic Advising**

Texas A&M University-San Antonio places very strong emphasis on developing a one-on-one individual academic advisory relationship between each student and an academic advisor. This relationship is essential when a student participates in the registration process.

Academic divisions and their departments have specific academic advising procedures, requirements and schedules for students' degree plans and for procedures to register for classes. A student's advisor is normally in the department offering the field in which the student is majoring. The Office of the Registrar will assist a student who needs help in locating an appropriate academic advisor.

A student who remains unsure of a major would profit by discussing this with an academic advisor, the University counseling center or the Career Services Center to receive career counseling and testing or other appropriate referral. Some vocational aptitude tests and tests designed to help a student select a major are available.

### **Degree Plan**

A student's course of study is drawn up in consultation with the appropriate advisor. Final degree plans must be approved by the head of the academic division in which the major is taken. All undergraduate degrees must conform to "General Requirements for Graduation" as set forth in the next section of the catalog.

### **Course Listings**

The term "course" means a definite unit of work in a subject. Courses are offered on a semester basis. University course offerings are listed in this catalog by division and by department or program within that college according to the following method:

*Letter Code:* A four letter code at the beginning identifies the department or program that offers the course. A list of these letter codes is provided just before the course descriptions in this Catalog.

*Number Code:* The four digit code distinguishes each course in that department or program and identifies the level at which it is offered. The first and second digits in the course number hold specific meanings. The first digit indicates the course level (1000 freshman; 2000 sophomore; 3000 junior; 4000 senior; 5000 graduate) and the second digit indicates semester credit hours for the course. Courses with second and third digits of 1 and 5 are 1.5 semester credit hour courses. Courses numbered at the 1000 and 2000 level are lower division courses that are normally introductory in nature. Upper division courses numbered 3000 and 4000 are advanced undergraduate courses that normally require junior or senior standing and/or the completion of a preceding course or courses. Courses numbered 5000 are open only to students with graduate standing. (Some courses in the 4000 series also carry graduate credit; these are listed in the graduate catalog.)

*Title:* The identification code is followed by the course title. The identification code and a shortened form of the course title are used to list courses in the *Class Schedule* bulletin published each semester for registration purposes and on a student's permanent transcript.

*Credit Hours:* The final information given on a course listing's entry line indicates the semester credit hours of the course. When the letter *V* appears, the course is offered for variable credit, to be determined at the time of registration. The two digits in parentheses following the semester credit hours are the number of hours of lecture and the number of hour of laboratory required each week respectively. When a course includes a recitation, three digits appear in parentheses following the semester credit hours indicating the number of hours of lecture, the number of hours of laboratory and the number hours of recitation required each week respectively.

*Course Description and Special Conditions:* Below the entry line is a brief description of the course, a notice of any special restrictions for registration in the course and an indication, if any, of a laboratory fee.

### **Registration**

The university has a computer-assisted registration system. This system allows a student who registers early priority in course selection and class schedule. It is designed to provide individual academic advising between advisor and student. This gives students an opportunity to review their academic programs and select the specific sections of the courses desired for the next semester. Online registration is available for eligible students only. Specific registration dates, instructions and information are provided on the university website.

### **Normal Load**

The normal load for a semester is usually one-eighth of the total number of credit hours required for the degree toward which the student is working. That load is normally 15-18 hours per fall and spring semesters. The normal load for a summer session is two courses (6-7 semester hours).

A regular undergraduate student, defined as one carrying a minimum of 12 semester hours, is expected to register each semester for a normal load of work. A student registered for fewer than 12 semester hours is considered a part-time student.

Students with a *B* average (3.0) for the last semester or term of registration may register for a *maximum* of 8 semester hours of academic work during one summer term *only*.

A student may register for more than the normal load (an "overload") only on the approval of the respective academic school head. If a student is concurrently enrolled at other institutions of higher education in the same semester, the total course load at all institutions is to be considered in applying these policies. It is the responsibility of the student to inform his/her school head of any concurrent enrollments. The maximum load for a student registered for any work for graduate credit is 15 hours a semester.

### **Prerequisites**

No student shall be allowed any credits for a course before credit in its prerequisite is obtained, except on the written approval of the School Head offering the course and the School Head in which the student is majoring.

All students must have successfully completed ENGL 1301 and ENGL 1302 during their first 75 semester hours of credit. No additional 3000- or 4000-level courses may be taken or transferred in until this requirement is met.

### **Schedule Changes**

#### *Adding a Course*

A course may be added by a student using the online registration system without approval of university officials, as long as departmental approval is not required. (See regulation for "Normal Load.") It is highly recommended that a student consult with his/her academic advisor before attempting to add a course. After the online registration system is closed, written permission is required from the academic advisor and professor of the course being added to add the course. These requests must be processed by the Office of the Registrar. The student may only add classes during the time specified in the official academic calendar.

#### *Dropping a Course*

A course may be dropped by a student without approval from his/her academic advisor or other university official. Students who have been readmitted on academic/scholastic probation must also consult with their advisors prior to dropping or withdrawing. It is highly recommended that a student consult his/her academic advisor because of the

impact on financial aid, graduation, veteran benefits, etc. After the online registration system is closed, all drops must be processed by the Office of the Registrar. A student who, by dropping a course, becomes registered for less than a normal load will be reclassified as a part-time student.

#### *Senate Bill 1231 and the University's Drop Policy for Undergraduate Students*

Senate Bill 1231, passed during the 80th Texas Legislative Session, limits the number of drops that certain undergraduate students may accrue without a punitive grade. Undergraduate students who completed a high school or equivalent program and enrolled in an institution of higher education prior to the Fall Semester of 2007 are exempt from the requirements of Senate Bill 1231. Undergraduate students who complete a high school program, or the equivalent, and enter a Texas public institution of higher education for the first time on or after the Fall Semester of 2007 are subject to the requirements of Senate Bill 1231.

#### *Drop Policy for Graduate and Undergraduate Students Exempt from Senate Bill 1231*

A student exempt from Senate Bill 1231 may drop a course with an automatic grade of Q if the drop is processed on or before the 10th week of the semester or the mid-point of the summer session as indicated on the official university calendar, regardless of the student's academic performance in the course at the time of the drop. The grade of Q is a non-punitive grade that will not affect the student's grade point average.

A student may also drop a course with a grade of Q after the 10th week of the semester or the mid-point of the summer session if the student is passing at the time the drop is processed. A student who is not passing after the 10th week of the semester or the mid-point of the summer session, and drops a course will receive a grade of F.

#### *Drop Policy for Undergraduate Students Subject to Senate Bill 1231*

Beginning with the 2007-2008 Academic Year, undergraduate students subject to Senate Bill 1231 will be permitted only six (6) non-punitive drops during their undergraduate studies. Non-punitive grades included in the maximum number of drops will be identified on the transcript with a grade of QI. Once a student has accumulated 6 (six) QI grades, the only grade that may be awarded for a dropped course is a grade of QF, regardless of the student's academic standing in the class. Drops processed while withdrawing from the university will not be included in the maximum number of non-punitive drops.

A student may also drop a course with a grade of QI after the 10th week of the semester or the mid-point of the summer session if the student is passing at the time the drop is processed. A student who is not passing after the 10<sup>th</sup> week of the semester or the mid-point of the summer session, and drops a course will receive a grade of QF.

#### *Drops Policy for Course with Concurrent or Co-Requisite Enrollment Requirements for Undergraduate Students Subject to Senate Bill 1231*

In determining the number of non-punitive course drops by a student subject to Senate Bill 1231 when concurrent or co-requisite courses are involved, the following regulations will apply. (Concurrent and co-requisite courses are courses with different course numbers such as a lecture course with its own course number and a lab course with a different course number that must be taken at the same time.)

1. If the student is required to drop both courses when dropping either course, then both course drops will be calculated as one drop.
2. If the student is not required to drop both courses at the same time, then each course will be treated as a separate drop. However, if the student drops both courses at the same time, the drops will be calculated as one drop.
3. Each drop will be subject to the maximum number of non-punitive drops allowable under Senate Bill 1231.

#### *Exceptions to the Maximum Number of Non-Punitive Drops for Undergraduates Subject to Senate Bill 1231*

A non-exempt student may drop a course with a non-punitive grade that is not included in the maximum number of non-punitive drops if extenuating circumstances are involved. In such cases, a grade of QE will be posted as the student's official grade for the course. A grade of QE may only be awarded if one or more of the following circumstances are involved and the drop is approved by the appropriate division head.

1. The student has a severe illness or other debilitating condition that affects the student's ability to satisfactorily complete the course.

2. The student is responsible for the care of a sick, injured or needy person that affects the student's ability to satisfactorily complete the course.
3. The student has suffered the death of a person who is considered to be a member of the student's family or person who is otherwise considered to have a sufficiently close relationship to the student\* that the person's death is considered to be a showing of good cause for dropping the course.
4. The student is a member or dependent of a member of the Texas National Guard or the armed forces of the United States and the active military service is considered to be a showing of good cause for dropping the course.
5. The student has a change of work schedule that is beyond the control of the student and the change affects the student's ability to complete the course.
6. The student has other extenuating circumstances that prevent the completion of the course and the circumstances are approved by the division head.

A "member of the student's family" is defined to be the student's father, mother, brother, sister, grandmother, grandfather, aunt, uncle, nephew, niece, first cousin, step-parent, or step-sibling; a "person who is otherwise considered to have a sufficiently close relationship to the student" is defined to include any other relative within the third degree of consanguinity, plus close friends, including but not limited to roommates, house mates, classmates, or other persons identified by the student for approval by the institution, on a case-by-case basis.

#### *Appeals to the Maximum Number of Non-Punitive Drops for Undergraduates Subject to Senate Bill 1231*

A student who wishes to request an exemption to the maximum number of non-punitive drops must submit a letter of appeal with appropriate documentation to the school head within five (5) business days of the drop. If the student cannot provide the supporting documentation within five business days of the drop, the student must request an extension with the division head within five business days of the drop.

#### *Administrative Drops for Non-Attendance*

A faculty member may drop an undergraduate student for non-attendance at any time prior to the mid-point of a long semester. A drop processed by a faculty member for non-attendance will be treated as a non-punitive grade unless the undergraduate student is subject to the requirements of Senate Bill 1231. The Office of the Registrar will treat all drops processed by a faculty member in accordance with the requirements of Senate Bill 1231 and may change a grade of Q to a grade of QI or a QF, depending on the student's status.

If a student drops the only course for which enrolled, the student must follow the process for withdrawing from the university as stated below.

#### **Withdrawal from the University**

If a student finds it necessary to withdraw from the university, the student must notify the Office of the Registrar and process a withdrawal form. A student exempt from Senate Bill 1231 who is withdrawing (dropping all active courses) from the university after the late registration date and on or before the 10th week of the semester or the mid-point of the summer session will receive an automatic grade of Q in each course being dropped at the time of the withdrawal. If the student is not passing a course at the time of the withdrawal, a grade of F will be awarded. In the case of a student subject to Senate Bill 1231, a grade of QE will be awarded in each course after the late registration regardless of the student's academic standing in the class. (See also regulations entitled "Refund of Fees.")

#### *Withdrawal of Students Ordered to Military Active Duty*

If a current student is called to active duty, and the duty will exceed 25% of the total number of class meetings or contact hour equivalents, the student has several options for courses in which he/she is enrolled. The student must provide a copy of military orders to receive one of the following: 1) full refund of tuition and fees paid by the student for the semester in which the student withdraws; 2) with instructor approval, incomplete grade(s) for the semester in which the student withdraws; or 3) with instructor approval, assignment of an appropriate final grade(s) or credit(s). Upon the student's request, pre-registered classes will be dropped. If the student returns prior to the beginning of a semester he/she will be reinstated into this institution.

If a current student, including one enrolled in distance education, self-paced, correspondence, and other asynchronous courses, is called to active military service for a period of time not to exceed 25% of the total number

of class meetings or contact hour equivalents, and chooses not to withdraw from the university, the student shall be excused from attending classes or engaging in other required activities, including examinations, during that period of time. The student shall be allowed to complete (an) assignment(s) or take (an) examination(s) within a reasonable time after the absence. The student's course work previously completed will be retained and the student will be able to complete the course without prejudice and under the same course requirements that were in effect when the student enrolled in the course. If the course requirements are not completed by the end of the semester in which the student is called to active military service, the grade of "I" will be awarded. Normal academic regulations relating to grades of "I" will apply, as well as normal grade dispute resolution processes, in the event of such disputes.

#### **Excess Undergraduate Credit Hours (45-Hour Rule vs. 30-Hour Rule)**

Effective with students initially enrolled in the fall 1999 semester and subsequent terms, resident undergraduate students who have attempted more than 45 hours (including dual credit hours) beyond the minimum number of hours required for completion of the degree plan in which they are enrolled will be assessed \$100 per credit hour for repeated and/or excessive hours.

Effective with students initially enrolling in the fall 2006 semester and subsequent terms, resident undergraduate students who have attempted more than 30 hours (including dual credit hours) beyond the minimum number of hours required for completion of the degree plan in which they are enrolled will be assessed \$100 per credit hour for repeated and/or excessive hours.

For the purpose of excess hours, "resident undergraduate student" includes a nonresident student who is permitted to pay resident tuition.

#### **Concurrent Enrollment**

Credits earned by a student at another institution while also enrolled at Texas A&M University-San Antonio will be transferred to Texas A&M University-San Antonio only if the student has received prior written approval from the division head. Prior approval will be granted consistent with the university's normal load regulations.

#### **Visiting a Course**

Any person may request permission of the Provost and Vice President for Academic Affairs to visit a course. Individual instruction courses are not open to visitors. Visitors do not have the privilege of submitting papers, taking part in class discussions or participating in laboratory or field work. Visitors pay fees according to the published credit hour fee schedule, except that no additional fee will be required of a full-time student. A visitor's name will not be entered on the class rolls or permanent records. The notice of approval of a request to visit a course, properly receipted after fees are paid, will serve as a permit to attend a class.

#### **Course Attendance by Senior Citizens**

A senior citizen (age 65 or older) may visit courses offered by this university without payment of a fee if space is available. Laboratory courses or individual instruction courses cannot be opened to visitors. Visitors do not have the privilege of submitting papers, taking part in class discussions or participating in laboratories or field work. The names of visitors will not be entered on the class rolls or permanent records. The visiting of courses by senior citizens will be subject to restrictions as may be determined by the chief administrative officer or designated representative on campus.

### **Class Policies**

A student has the right to expect competent, well-organized instruction for the full number of clock hours allotted for a course; to sufficient written assignments, graded fairly and with reasonable promptness to show the student's academic standing in the course at least before mid-semester; to have ample opportunity to confer with the instructor at published office hours and to review graded written work; to freedom from ridicule, discrimination, harassment or accusations in the presence of other students or faculty members; and to an avenue for appealing to higher academic authority in case of alleged unfairness by an instructor.

#### **Academic Dishonesty**

Students are expected to do their own course work. Simple cases of first offense cheating or plagiarism by an individual student may be handled by the instructor after consultation with the department chair. When the evidence



is indisputable, the usual penalty is a grade of *F* on the particular paper or in the course. The student is usually confronted with the evidence in private and advised of the penalty to be assessed. The evidence will be retained for at least one full year.

For more serious cases, such as those involving repeated offenses, conspiracy with other students or the theft and selling of examination questions, a report should be made by the instructor via the department chair and division head to the Director of Student Life and Wellness as well as the Provost and Vice President for Academic Affairs for disciplinary action. Expulsion from the university is a normal penalty for such offenses.

Please review the Student Handbook for a complete description of the process:

<http://www.tamusa.tamus.edu/studenthandbook.html>.

### **Class Attendance**

A vital part of every student's education is regular attendance of class meetings. Every faculty member is to keep 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 upon the request of a faculty member to the Provost and Vice President for Academic Affairs.

### **Absences for Religious Holidays**

The university will allow students who are absent from classes for the observance of a religious holy day to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence if, not later than the fifteenth day after the first day of the semester, that student has notified the instructor of each class to be missed. The instructor may appropriately respond if a student fails to complete the assignment or examination within a reasonable time after the absence.

### **Research on Human Subjects**

Research that involves human subjects must be approved by the Institutional Review Board for the Protection of Human Subjects.

## **Grades**

Grades, with numerical values corresponding to these letters, are recorded as follows:

- A* Excellent, 90-100.
- B* Good, 80-89.
- C* Average, 70-79.
- D* Passing, 60-69.
- F* Failure, below 60.
- CR/NC* Credit/Non-credit: used for courses that do not meet the normal or traditional framework of course scheduling and do not lend themselves to letter grading.
- I* Incomplete: given to a student who is passing but has not completed a term paper, examination or other required work. The instructor and the student are required to complete the standard university contract form for each course in which the temporary grade of *I* has been assigned. The grade of *I* will be used only to allow a student who has encountered some emergency such as illness or an accident an opportunity to complete the requirements for a course. A grade of *I* reverts to a grade of *F* one year from the close of semester/term in which the grade was originally recorded if the course requirements have not been satisfied.
- IP* In Progress: used for graduate theses and graduate research projects. (Students must register every subsequent semester until the final grade is given.) In-progress (*IP*) grades remain indefinitely on a student's transcript and cannot be changed with a change-of-grade card.
- Q* Dropped: given when a student has officially dropped or withdrawn from the university before or on the mid-semester point as indicated on the official university calendar, regardless of student's standing in class. Also given after the mid-semester point to a student who is passing at the time the official drop is processed. (A student who is not passing receives the grade of *F* under such circumstances.)
- QE* Dropped: given when a student impacted by SB 1231 has officially dropped a course and extenuating circumstances are involved (refer to "Exceptions to the Maximum Number of Non-Punitive Drops for

Undergraduates Subject to Senate Bill 1231." Also applies to students impacted by SB 1231 who officially withdraw from the university.

*QF* Dropped: given when a student impacted by SB 1231 has officially dropped a course after the mid-semester point who is not passing or has accumulated six (6) *QI* grades regardless of the student's academic standing in the class.

*QI* Dropped: given when a student impacted by SB 1231 has officially dropped a course before or on the mid-semester point as indicated on the official university calendar, regardless of student's standing in class. Students are allowed a total of six (6) drops during their entire graduate studies. Also given after the mid-semester point to a student who is passing at the time the official drop is processed. (A student who is not passing receives the grade of *QF* under such circumstances.)

*NG* No grade posted by instructor: used to indicate that no grade was posted by the instructor teaching the course.

### **Removing the Grade of *I***

For the undergraduate student, the grade of *I* must be removed within the time specified by the instructor, not exceeding 12 months from the date the *I* was recorded. When the student completes the work in the course, the instructor submits a change of grade card through the chair of the department and the division head to the Registrar. The grade of *I* may be changed only to *A*, *B*, *C*, *D* or *F*. Should the conditions specified above not be met, the *I* will become an *F*. Extensions of time, when merited, may be granted by the Provost and Vice President for Academic Affairs after consultation with the division head. *I* grades must be completed prior to graduation. *I* grades not completed by the end of the semester in which the student is scheduled to graduate will turn into *F*'s and will be calculated into the cumulative grade point average.

### **Change of Grade**

After being reported to the Registrar, grades other than *I* may not be changed unless an error has been made by the instructor.

Students should review their end of semester final grades closely to ensure their accuracy. If an error or discrepancy should occur, the student should contact the appropriate professor and/or the Office of the Registrar immediately to be resolved. It is recommended that those changes occur no later than the beginning of the next semester. **Under no circumstances will grades be changed after one calendar year.**

### **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 *Q*. 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. Grades earned prior to Fall 2009 are considered Texas A&M University-Kingsville grades and cannot be excluded.

Students who have received their first bachelor's degree from this institution cannot repeat courses that were used to earn the first degree for purposes of grade point average calculation.

It is the responsibility of the student, after repeating a course, to file a special request form in the Office of the Registrar, so that the adjustment in the grade point average, when applicable, can be entered on the permanent record.

### **Repeated Grade Notation**

Repeated course(s) and grade(s) are not removed from the official or unofficial transcript. The repeated grade and grade points will be removed from the cumulative grade point average only. The repeated course will be identified with the letter "E" next to the quality points on the transcript. Repeating a course after graduation will not change your graduation grade point average.

## Academic Standing

### Classification of Students

Sophomore: at least 30 semester hours of credit, but fewer than 60 semester hours.

Junior: at least 60 semester hours of credit, but fewer than 90 semester hours.

Senior: at least 90 semester hours of credit.

### Grade Point Average

The grade point average accumulated on the permanent record of a student at Texas A&M University-San Antonio will be based on course and grade points earned by a student on work taken at this university. Transfer courses will be accepted as credit only. Such credit may be used for fulfilling degree requirements and graduation requirements. (For information on specific academic division admission, certification and graduation requirements, refer to the appropriate section of this catalog.)

A student's grade average on this university's 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. The cumulative, or overall, grade point average (GPA) is computed by dividing the total quality points earned by the total number of quality hours. Transferred and credit-only hours are not computed in the cumulative Texas A&M University-San Antonio grade point average.

### Grade Point Summary

All official and unofficial transcripts will have the following abbreviations:

AHRS (Attempted Hours): TAMU-SA and transfer courses (all grades)

EHRS (Earned Hours): TAMU-SA and transfer courses (passed/credit)

QHRS (Quality Hours): TAMU-SA courses only (passed/failed)

QPTS (Quality Points): TAMU-SA courses only

GPA (Grade Point Average): Equal to QPTS/QHRS

### Minimum Grade Requirements

A minimum 2.0 cumulative institutional GPA is required to avoid probation. Students in the Teacher Preparation Program in the School of Education & Kinesiology must maintain a minimum of 2.5 cumulative institutional GPA. All transfer students must have a cumulative 2.0 GPA to transfer into Texas A&M University-San Antonio.

### Scholastic Probation

Undergraduate students will be placed on scholastic probation any time their overall grade point average at Texas A&M University-San Antonio falls below 2.0. Such students are required to seek academic advising before registering for classes. Students who have been placed on scholastic probation will be removed from such probation at the conclusion of the semester or summer term at this university, if they have achieved a 2.0 grade point average.

### Enforced Withdrawal

Students who have been placed on scholastic probation, and who fail to achieve the minimum cumulative grade point average during the next long semester, will be placed on enforced withdrawal. Students who have been placed on enforced withdrawal may return after an absence of one semester; however, students placed on enforced withdrawal for a third time may return only after an absence of one year. These students must obtain an approval letter from the appropriate school head and submit a readmission application to the Office of Admission. In any case, the required absence period may be shortened or eliminated upon approval of the academic division head. Students who believe there are nonacademic, extenuating circumstances that contributed to their inability to perform well academically may appeal their enforced withdrawal. Students who wish to appeal should contact their academic advisor for procedures and deadlines.

### Removal of Enforced Withdrawal Status by Summer Study

Students placed on enforced withdrawal at the end of the spring semester are eligible to attend the subsequent summer session. If the student achieves a cumulative grade point average of 2.0 or higher at the conclusion of the summer terms, the enforced withdrawal status will be removed.

## **Student Records**

### **Transcripts**

Official transcripts of the student's academic record may be requested from the Office of the Registrar at no cost. The quickest and most efficient method of requesting a transcript is via the online student services portal, however the student can also fill out a transcript request form and return it to the Office of the Registrar. All transcript requests must be signed by the student; failure to sign the request will delay processing. Transcript requests may be faxed but must have all required information and signature.

A student must provide identification at the Office of the Registrar when picking up a copy of a transcript in person. The Family Educational Rights and Privacy Act of 1974, and amendments thereto, states that parents, spouse, legal guardian or others are not authorized to pick up transcripts of students unless written authorization by the student is provided.

### **Holds**

All students should clear any holds they have on their records immediately. Failure to clear a hold causes delays and inconvenience when trying to obtain copies of transcripts through the mail or in person. Since a hold on the record may affect printing and mailing of grades at the end of the semester, students should be sure they do not have any holds before final examinations start. Students with a registration hold on their record will not be permitted to register.

### **Change of Name, Address or Social Security Number**

Students who wish to change their name on their transcript must provide legal documentation of the change to the Office of the Registrar. Not advising the Office of the Registrar of a legal name change may cause transcript requests and registration problems. Students who change their address should likewise notify the Office of the Registrar, Financial Aid or Business Office.

### **Death of a Student**

The death of a currently enrolled student should be reported to the Office of the Registrar immediately. After confirming the death, the Office of the Registrar notifies the appropriate faculty and school head, closes all student records, and codes the student information system to block mailings to the deceased.

### **Family Educational Rights and Privacy Act of 1974 and Amendments Thereto**

This act is designated to protect the privacy of education records, to establish the right of students to inspect and review their education records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students have the right to file complaints with the Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the act.

Texas A&M University-San Antonio accords all rights under the law to all students. No one outside the institution shall have access to nor will the institution disclose any information, other than directory information, from a student's education records without the written consent of the student, except to personnel within the institution, to officials of other institutions in which the student seeks to enroll, to persons or organizations providing student financial aid, to accrediting agencies carrying out their accreditation function, to persons in compliance with judicial order, and to persons in an emergency in order to protect the health or safety of students or other persons. All these exceptions are permitted under the Act.

In compliance with the Family Educational Rights and Privacy Act of 1974, information classified as "Directory Information" may be released to the general public without the consent of the student. The following is designated as directory information:

Student's name, a local and home address, telephone number, major or minor, number of hours enrolled in current semester, classification, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and all previous educational agencies or institutions attended.

Students reserve the right to suppress any information from being released without their consent. Any student

wishing to withhold any or all of this information should notify the Office of the Registrar. The University assumes that failure on the part of any student to specifically request the withholding of directory information indicates individual approval for disclosure.

## Advanced Credit

### College Level Examination Program Examination and Course Equivalency Guide (CLEP)

Texas A&M University-San Antonio will accept CLEP credit courses for the following purposes:

1. To establish eligibility for undergraduate admissions.
2. To fulfill statutory and core (lower-level) academic requirements for bachelor's degree programs.

The exception is that students will not be eligible for credit in a course for which they have received credit in a more advanced course unless otherwise designated by the division head in which the subject is offered.

<b>Texas A&amp;M-San Antonio Equivalent</b>	<b>Subject Examinations</b>	<b>Minimum Score</b>
ACCT 2301 (3 Cr)	Intro Accounting	50
BIOL 1306, BIOL 1106, BIOL 1307, BIOL 1107 (8 Cr)	General Biology	50
BLAW 3341 (3 Cr)	Intro Business Law	50
CHEM 1311, CHEM 1312 (6 Cr)	General Chemistry	50
ECON 2301 (3 Cr)	Intro Macroeconomics	50
ECON 2302 (3 Cr)	Intro Microeconomics	50
FREN 1311, FREN 1312 (6 Cr)	College French	50
FREN 1311, FREN 1312, FREN 2311, FREN 2312 (12 Cr)	College French	62
HIST 1301 (3 Cr)	American History I	50
HIST 1302 (3 Cr)	American History II	50
MKTG 3361 (3 Cr)	Principles of Marketing	50
MATH 2413 (4 Cr)	Calculus with Elementary Functions	50
MATH 1314 (3 Cr)	College Algebra	50
MATH 1316 (3 Cr)	Trigonometry	50
MATH 1348 (3 Cr)	Algebra-Trigonometry	50
MGMT 3311 (3 Cr)	Principles of Management	50
POLS 2301 (3 Cr)	American Government	50
PSYC 2301 (3 Cr)	General Psychology	50
PSYC 2302 (3 Cr)	Human Growth and Development	50
SOCI 1301 (3 Cr)	Intro Sociology	50
SPAN 1313, SPAN 1314 (6 Cr)	Spanish	50

## EDUCATIONAL EXPENSES

Patricia Hayes, *Director of Business Services*  
Main Campus Building, Room 135  
(210)784-2020

### Estimated Nine-Month Budget

The following nine-month budgets are offered as estimates of reasonable expected expenses.

#### TAMU-SA Undergraduate Student Budget for 2012 - 2013 (Texas Resident) Fall and Spring (award year/semester)

	Award Year (nine months)	One Semester
Tuition & Fees	\$6,666	\$3,333
Books & Supplies	\$1,300	\$650
Transportation	\$2,408	\$1,204
Personal Expenses	\$2,762	\$1,381
<b>Total</b>	<b>\$13,136</b>	<b>\$6,568</b>

#### TAMU-SA Graduate Student Budget for 2012-2013(Texas Resident) Fall and Spring (award year/semester)

	Award Year (nine months)	One Semester
Tuition & Fees	\$5,633	\$2,817
Books & Supplies	\$975	\$488
Transportation	\$2,408	\$1,204
Personal Expenses	\$2,762	\$1,381
<b>Total</b>	<b>\$11,778</b>	<b>\$5,890</b>

Married couples and single heads of household may add an additional \$1,080 amount to their budgets for each dependent child. Child care allowance is added for each dependent child under age 12.

### Financial Obligations

Students are expected to pay all financial obligations to the University when due. Failure to meet such obligations will result in a student's record being placed on a hold status and may result in the student not being able to take final examinations, receive official transcripts, or enroll for another semester. If an account is not paid when due, the institution has the right to forward past due accounts to a collection agency. The student will be responsible for any and all attorney's fees and other costs necessary for the collection of any amounts not paid when due.

Students receiving University-sponsored financial aid are expected to pay all financial obligations owed the University at the time they receive the financial aid.

NOTE: The census date of the semester is the day that all tuition and mandatory fees must be paid in full. If all tuition and mandatory fees are not paid in full, a class or classes will be dropped for non-payment by the census date. The census date of the long semesters (fall and spring) is the 12th class day. The census date for the summer terms is the 4th class day. The census date is a drop date if all tuition and mandatory fees are not paid in full. Please refer to the Academic Calendar for a complete list of deadlines.

### Mandatory Tuition and Fees

Students who do not pay mandatory tuition and fees in full by established deadlines will be dropped from one or more classes, according to the unpaid balance due. Students who establish and make the required initial payment of the deferred payment plan will not be dropped.

### **Deferred Payment of Tuition and Fees**

Students selecting the deferred payment plan may pay tuition and fees in four payments. There is a \$30 administrative fee for choosing the deferred payment plan. Students who select a deferred payment plan need to be absolutely sure of all the classes/expenses, as only one plan is allowed. They are subject to the following provisions:

- a. Students receiving University-sponsored financial aid equal to or greater than their tuition and fees **must** pay in one payment. All financial aid funds received after selection of the deferred payment plan will be applied to the student's account balance until paid in full.
- b. A student who fails to make full payment of tuition and fees, including any incidental fees, by the due date may be prohibited from registering for classes until full payment is made. A student who fails to pay in full prior to the end of the semester may be denied credit for the work done that semester.

### **Charge Card Privilege**

Students may pay tuition and fees with a MasterCard, Visa, Discover, or American Express Credit card. Payments may be made over the web.

### **Concurrent Enrollment at another Public Institution of Higher Education**

Students concurrently enrolled at TAMU-SA and another Texas public institution of higher education must provide evidence of concurrent enrollment to the Registrar on the day they register at TAMU-SA. This evidence must include proof of enrollment for the same semester, the number of hours enrolled, and a receipt showing the total tuition and other registration fees paid at another public institution in order for students to be eligible for the provisions of Senate Bill 250, "Tuition Limit in Cases of Concurrent Enrollment".

### **Returned Item Policy**

When a bank returns an unpaid item (i.e., check, credit card, money order) that has been submitted to the University, the following procedure will apply:

1. The Business Office will send a notification by certified mail within 3 business days to the individual who submitted the returned item to the University. This notice will indicate the amount of the item, the \$25 returned item charge, and the reason the item was returned. The individual is given 10 days from receipt of notification to clear the returned item using cash, cashier's check, or money order. Only payment in full will be accepted. The University will not accept a personal check or a credit card in payment for a returned item. In the event the certified mail is unaccepted and returned to the University, the University will attempt to deliver the notification to the student through one of his/her classes. The University will also attempt to reach the individual by phone. The individual will be given 10 days from this contact to clear the item.
2. A registration and transcript hold will be placed on the individual's record. After an individual has two or more items returned to the University, the University reserves the right to refuse acceptance of future checks from that individual. If an individual stops payment on a check presented to the University, the University reserves the right to refuse acceptance of future checks for payment of University charges.
3. In those instances where a student fails to redeem a returned item and charge within the 10 day period, the University will initiate one or more of the following courses of action:
  - a. If the item was given in payment of tuition and fees or is in excess of \$100, the student may be withdrawn from all classes at the University. The Business Office will notify the Registrar's Office of the requested withdrawal. The Registrar's Office will withdraw the student as of that date and notify the student, all instructors and any other offices that may need to take action (i.e. International, Student Services). The student will receive a refund only if the withdrawal occurs prior to or during the percentage refund dates for the semester. Any refund resulting from the withdrawal will be held to be applied toward the returned item. If the student is withdrawn after midpoint of the session, the grade entered on his/her transcript will be at the discretion of each instructor.
  - b. Returned items for less than \$100 may be referred to the Office of Student Engagement & Success for disciplinary action.
  - c. In those instances where the returned check and charge have not been redeemed after two notification attempts, the University may take the check to the district attorney (or county attorney) and file a complaint with that office. Any further action on the matter will follow the legal process as prescribed by the respective attorney's office.

**Resident vs. Nonresident Student Status**

All students attending Texas A&M University-San Antonio who are nonresidents of Texas will be charged additional tuition in accordance with state law. The responsibility of registering under the proper residence status is placed upon the student. If there is any possible question about the right to legal residence in Texas under state law and University rules, the student must raise the question with the Office of Admission and have such question settled prior to registration. There can be no change of residence unless authorized by the Registrar. Students must pay the correct tuition and fees at the beginning of each semester or term for which they register. Any attempt on the part of a nonresident to evade the nonresident fee may lead to expulsion from the University. Legal resident information forms to assist students in determining their proper legal status are available in the Registrar's Office.

**Military Residence**

Military persons stationed in Texas who wish to avail themselves or their dependents of military residence provisions of state law must submit during their first semester of enrollment in which they will be using the waiver program, a statement from an appropriately authorized officer in the service certifying that they (or a parent) will be assigned to duty in Texas on the census date of the term they plan to enroll, and that they are not in Texas only to attend training with Texas units. Such persons shall pay resident tuition so long as they reside continuously in Texas or remain continuously enrolled in the same degree or certificate program (enrollment in summer semester is not required to remain continuously enrolled).



**Texas A&M University-San Antonio**  
**2012-2013 Texas Resident Tuition and Fees**  
**Fall and Spring**  
**Undergraduate**

Hours	Tuition <sup>2,3</sup>	Designated Tuition <sup>1</sup>	International Ed Fee	Student Service Fee	University Services Fee <sup>2</sup>	Total
1	120.00	93.07	3.00	14.30	153.00	383.37
2	120.00	186.14	3.00	28.60	221.00	558.74
3	150.00	279.21	3.00	42.90	289.00	764.11
4	200.00	372.28	3.00	57.20	357.00	989.48
5	250.00	465.35	3.00	71.50	425.00	1,214.85
6	300.00	558.42	3.00	85.80	493.00	1,440.22
7	350.00	651.49	3.00	100.10	561.00	1,665.59
8	400.00	744.56	3.00	114.40	629.00	1,890.96
9	450.00	837.63	3.00	128.70	697.00	2,116.33
10	500.00	930.70	3.00	143.00	765.00	2,341.70
11	550.00	1,023.77	3.00	157.30	833.00	2,567.07
12	600.00	1,116.84	3.00	171.60	901.00	2,792.44
13	650.00	1,209.91	3.00	185.90	969.00	3,017.81
14	700.00	1,302.98	3.00	200.20	1,037.00	3,243.18
15	750.00	1,302.98	3.00	214.50	1,105.00	3,375.48
16	800.00	1,302.98	3.00	228.80	1,163.00	3,497.78
17	850.00	1,302.98	3.00	243.10	1,221.00	3,620.08
18	900.00	1,302.98	3.00	250.00	1,279.00	3,734.98
19	950.00	1,302.98	3.00	250.00	1,337.00	3,842.98
20	1,000.00	1,302.98	3.00	250.00	1,395.00	3,950.98

<sup>1</sup>Students enrolled in 14 semester credit hours (SCH) or more pay \$1302.98 per semester based on flat rate at 14 SCH's

<sup>2</sup>Add \$50.00 tuition and \$58.00 University Services fee for each semester credit hour over 20. Other fees remain the same.

<sup>3</sup>MINIMUM TUITION: \$120.00

The University reserves the right to change fees upon board approval.

**Texas A&M University-San Antonio**  
**2012-2013 Non-Texas Resident Tuition and Fees**  
**Fall and Spring**  
**Undergraduate**

Hours	Tuition <sup>2,3</sup>	Designated Tuition <sup>1</sup>	International Ed Fee	Student Service Fee	University Services Fee	Total
1	401.00	93.07	3.00	14.30	153.00	664.37
2	802.00	186.14	3.00	28.60	221.00	1,240.74
3	1,203.00	279.21	3.00	42.90	289.00	1,817.11
4	1,604.00	372.28	3.00	57.20	357.00	2,393.48
5	2,005.00	465.35	3.00	71.50	425.00	2,969.85
6	2,406.00	558.42	3.00	85.80	493.00	3,546.22
7	2,807.00	651.49	3.00	100.10	561.00	4,122.59
8	3,208.00	744.56	3.00	114.40	629.00	4,698.96
9	3,609.00	837.63	3.00	128.70	697.00	5,275.33
10	4,010.00	930.70	3.00	143.00	765.00	5,851.70
11	4,411.00	1,023.77	3.00	157.30	833.00	6,428.07
12	4,812.00	1,116.84	3.00	171.60	901.00	7,004.44
13	5,213.00	1,209.91	3.00	185.90	969.00	7,580.81
14	5,614.00	1,302.98	3.00	200.20	1,037.00	8,157.18
15	6,015.00	1,302.98	3.00	214.50	1,105.00	8,640.48
16	6,416.00	1,302.98	3.00	228.80	1,163.00	9,113.78
17	6,817.00	1,302.98	3.00	243.10	1,221.00	9,587.08
18	7,218.00	1,302.98	3.00	250.00	1,279.00	10,052.98
19	7,619.00	1,302.98	3.00	250.00	1,337.00	10,511.98
20	8,020.00	1,302.98	3.00	250.00	1,395.00	10,970.98

<sup>1</sup>Students enrolled in 14 semester credit hours (SCH) or more pay \$1302.98 per semester based on flat rate at 14 SCH's

<sup>2</sup>Add \$401.00 tuition and \$58.00 University Services fee for each semester credit hour over 20. Other fees remain the same.

<sup>3</sup>MINIMUM TUITION: \$401.00

The University reserves the right to change fees upon board approval.

**Texas A&M University-San Antonio**  
**2012-2013 Texas Resident Tuition and Fees**  
**Fall and Spring**  
**Graduate**

Hours	Tuition <sup>2,3</sup>	Graduate Tuition <sup>2</sup>	Designated Tuition <sup>1</sup>	International Ed Fee	Student Service Fee	University Services Fee <sup>2</sup>	Total
1	120.00	50.00	93.07	3.00	14.30	153.00	433.37
2	120.00	100.00	186.14	3.00	28.60	221.00	658.74
3	150.00	150.00	279.21	3.00	42.90	289.00	914.11
4	200.00	200.00	372.28	3.00	57.20	357.00	1,189.48
5	250.00	250.00	465.35	3.00	71.50	425.00	1,464.85
6	300.00	300.00	558.42	3.00	85.80	493.00	1,740.22
7	350.00	350.00	651.49	3.00	100.10	561.00	2,015.59
8	400.00	400.00	744.56	3.00	114.40	629.00	2,290.96
9	450.00	450.00	837.63	3.00	128.70	697.00	2,566.33
10	500.00	500.00	930.70	3.00	143.00	765.00	2,841.70
11	550.00	550.00	1,023.77	3.00	157.30	833.00	3,117.07
12	600.00	600.00	1,116.84	3.00	171.60	901.00	3,392.44
13	650.00	650.00	1,209.91	3.00	185.90	969.00	3,667.81
14	700.00	700.00	1,302.98	3.00	200.20	1,037.00	3,943.18
15	750.00	750.00	1,302.98	3.00	214.50	1,105.00	4,125.48
16	800.00	800.00	1,302.98	3.00	228.80	1,163.00	4,297.78
17	850.00	850.00	1,302.98	3.00	243.10	1,221.00	4,470.08
18	900.00	900.00	1,302.98	3.00	250.00	1,279.00	4,634.98
19	950.00	950.00	1,302.98	3.00	250.00	1,337.00	4,792.98
20	1,000.00	1,000.00	1,302.98	3.00	250.00	1,395.00	4,950.98

<sup>1</sup>Students enrolled in 14 semester credit hours (SCH) or more pay \$1302.98 per semester based on flat rate at 14 SCH's

<sup>2</sup>Add \$120.00 tuition, \$50.00 graduate tuition, and \$58.00 University Services fee for each semester credit hour over 20. Other fees remain the same.

<sup>3</sup>MINIMUM TUITION: \$120.00

The University reserves the right to change fees upon board approval.

**Texas A&M University-San Antonio**  
**2012-2013 Non-Texas Resident Tuition and Fees**  
**Fall and Spring**  
**Graduate**

Hours	Tuition <sup>2,3</sup>	Graduate Tuition <sup>2</sup>	Designated Tuition <sup>1</sup>	International Ed Fee	Student Service Fee	University Services Fee <sup>2</sup>	Total
1	401.00	50.00	93.07	3.00	14.30	153.00	714.37
2	802.00	100.00	186.14	3.00	28.60	221.00	1,340.74
3	1,203.00	150.00	279.21	3.00	42.90	289.00	1,967.11
4	1,604.00	200.00	372.28	3.00	57.20	357.00	2,593.48
5	2,005.00	250.00	465.35	3.00	71.50	425.00	3,219.85
6	2,406.00	300.00	558.42	3.00	85.80	493.00	3,846.22
7	2,807.00	350.00	651.49	3.00	100.10	561.00	4,472.59
8	3,208.00	400.00	744.56	3.00	114.40	629.00	5,098.96
9	3,609.00	450.00	837.63	3.00	128.70	697.00	5,725.33
10	4,010.00	500.00	930.70	3.00	143.00	765.00	6,351.70
11	4,411.00	550.00	1,023.77	3.00	157.30	833.00	6,978.07
12	4,812.00	600.00	1,116.84	3.00	171.60	901.00	7,604.44
13	5,213.00	650.00	1,209.91	3.00	185.90	969.00	8,230.81
14	5,614.00	700.00	1,302.98	3.00	200.20	1,037.00	8,857.18
15	6,015.00	750.00	1,302.98	3.00	214.50	1,105.00	9,390.48
16	6,416.00	800.00	1,302.98	3.00	228.80	1,163.00	9,913.78
17	6,817.00	850.00	1,302.98	3.00	243.10	1,221.00	10,437.08
18	7,218.00	900.00	1,302.98	3.00	250.00	1,279.00	10,952.98
19	7,619.00	950.00	1,302.98	3.00	250.00	1,337.00	11,461.98
20	8,020.00	1,000.00	1,302.98	3.00	250.00	1,395.00	11,970.98

<sup>1</sup>Students enrolled in 14 semester credit hours (SCH) or more pay \$1302.98 per semester based on flat rate at 14 SCH's

<sup>2</sup>Add \$401.00 tuition, \$50.00 graduate tuition, and \$58.00 University Services fee for each semester credit hour over 20. Other fees remain the same.

<sup>3</sup>MINIMUM TUITION: \$401.00

The University reserves the right to change fees upon board approval.

## MANDATORY FEES

*Note: All fees are payable at registration.*

### ***International Education Fee***

This fee is charged at a flat rate of \$3 per semester. Funds are used to support cultural diversity within the student body and to enhance student knowledge of other countries through international study and scholarships.

### ***Student Service Fee***

A service fee of \$14.30 per credit hour is charged to all students attending the University. This fee is used to support student activities and support services including Student Government Association, student organizations, student newspaper, and New Student Orientation.

### ***University Services Fee***

This fee will be used to cover expenses for the following items: academic advising, library services, transcripts, student IDs, distance learning, campus safety and security, transportation, information technology; and other university services as required.

## MISCELLANEOUS FEES

### ***Automobile Registration Fee***

All persons who operate a vehicle on University property, regularly or occasionally, are required to register those vehicles with the University Police Department and to obtain a parking permit for a designated area or areas. Detailed information on parking and traffic regulations; penalties for failing to register a vehicle and other traffic and parking violations; methods of obtaining refunds; procedures to follow when changing automobiles; location where vehicle may be parked; and a specific breakdown of fees to be paid will be available at the time of registration.

### ***Three-Repeat Fee***

A \$100 per semester credit hour fee assessed after the 20th class day (15th for summer sessions) of the semester for attempting a class for the third and subsequent times.

### ***Visitor's Fee***

The fee for visiting a course for a person other than a full-time student is the same as that required for registration for credit. A full-time student pays no additional fee for visiting a course.

### ***Other Fees***

Computing Device Fee	up to \$500 (opt in)
Installment Payment Plan Processing Fee	\$30
Installment Payment Plan Late Fee	\$15
Late Payment Fee	\$35
Bachelor's Graduation Fee	\$35
Undergraduate (domestic) Application Fee	\$15
Graduate (domestic) Application Fee	\$35
International Application Fee	\$50
Master's Graduation Fee, Plan One	\$111
Master's Graduation Fee, Plan Two and Plan Three	\$43
Readmission Fee (Undergraduate)	\$15
Readmission Fee (Graduate)	\$35
Reinstatement Fee	\$363
Testing Fee	\$35

The following fees are non-refundable: Late Fee, Reinstatement Fees and Deferred Payment Plan Processing Fees.

### ***Fines for Breakage and Loss***

Students must pay all fines before they can receive a transcript of their credits or can register in the University.

Students registered for courses in chemistry will be notified at the end of a semester of breakage or loss of equipment and will be required to pay the amount due at the Business Office.

Students are expected to exercise reasonable care of University property; an assessment will be made for any deliberate misuse.

### **REFUND OF FEES**

The Higher Education Amendments of 1998 (HEA98) represent a major shift in the return of Title IV Federal Financial Aid when a student withdraws from the university. The policy governs all federal grant and loan programs (Pell, SEOG, Stafford Loans, Perkins and PLUS loans), but does not include the Federal Work-Study program.

In general, the law assumes that a student “earns” approved (verified) federal financial aid awards in proportion to the number of days in the term prior to the student’s complete withdrawal. If a student completely withdraws from school during a term, the school must calculate, according to a specific formula, the portion of the total scheduled financial assistance that the student has earned and is therefore entitled to retain, until the time that the student withdrew. If a student receives (or the University receives on the student’s behalf) more assistance than he/she earns, the unearned funds must be returned to the Department of Education or to the Federal Stafford or parent’s Federal PLUS loan lenders. If a student’s charges are less than the amount earned, and a refund is due, the student may be able to receive those additional funds. **Students who have not completed the verification process are ineligible to receive any financial aid.**

The portion of the federal grants and loans that the student is entitled to receive is calculated on a percentage basis by comparing the total number of days in the semester to the number of days that the student completed before he/she withdrew. The policy governs the earned and unearned portions of the student’s Federal Title IV Financial Aid only. It determines how much, if any, the student and/or the school may need to return. This policy does not affect the student’s charges. The University’s withdrawal policy will be used to determine the reduction, if any, in the student’s tuition and fee or room and board charges. **The student is responsible for paying any outstanding charges to the university.**

### ***Withdrawal Policy***

When a student withdraws from the University during the first twenty (20) days of classes during a long semester, six (6) days during a summer session of more than five weeks but less than 10 weeks and two (2) days during a session of five weeks or less, the University will refund a portion of the tuition and fees charged to a student. The percentages refunded are as follows:

#### **Long Semester (10 weeks or longer)**

- a. prior to the first class day – 100%
- b. during the 1st, 2nd, 3rd, 4th and 5th class days – 80%
- c. during the 6th, 7th, 8th, 9th and 10th class days – 70%
- d. during the 11th, 12th, 13th, 14th and 15th class days – 50%
- e. during the 16th, 17th, 18th, 19th and 20th class days – 25%
- f. after the 20th class day – none

#### **Summer session of more than 5 weeks but less than 10 weeks:**

- a. during class days (1-3) - 80%
- b. during class days (4-6)- 50%
- c. after the 6th class day- None

#### **Summer session of 5 weeks or less:**

- a. 1st class day- 80%
- b. 2nd class day- 50%
- c. after 2nd class day- None

The “first class day” is determined by the beginning of a semester or summer session. The first class day is not defined by individual courses. Please refer to the academic calendar for the first class day date.

The refund will be returned to the student only if the student did not receive financial aid assistance from either Title IV programs or state programs. In the cases where the student did receive assistance from these programs, the refund will be returned to the programs in the following order: Unsubsidized Loan, Subsidized Loan, Perkins Loan, PLUS Loan, Pell Grant, FSEOG Grant, TPEG Grant, RPEG Grant, NPEG Grant and Texas Grant.

The student’s official withdrawal date will be determined by the University as:

- a. The date the student began the University’s withdrawal process.
- b. The midpoint of the semester if the student withdraws without notifying the University.
- c. The student’s last day of attendance at an academically-related activity as documented by the University.

If it is determined that the University must return to the Title IV programs monies in excess of any tuition and fees or room and board, the student will be responsible for those monies.

Any grant funds that the student is required to return to the federal programs are considered an overpayment. The student must either repay the amount in full to the University within 45 days of notification of the overpayment or make satisfactory payment arrangements with the Department of Education Collections that the student owes an overpayment. At that point, until the student pays the amount in full to the Department of Education or makes repayment arrangements with the Department of Education, **the student will lose his/her eligibility to receive future federal financial aid at any institution.**

#### *Upon Dropping a Course or Courses*

A 100% refund difference of applicable tuition and fees collected will be made for courses from which students drop (not withdraw) within the first 12 days of a semester or within the first four days of a summer term. There will be no refunds for courses dropped after the first 12 days of a semester or after the first four days of a summer term.

#### **Refund Policies**

The following policies are used for refunds:

- a. Refunds are mailed or direct deposited according to published schedules from the Business Office. Refund checks will be mailed to the billing address provided by the student. Refunds may also be direct deposited to the student’s checking or savings account if established through MoneyConnect.
- b. Any financial obligations owed the University will be deducted from the refund before the balance is mailed to the student.
- c. A student who is required to withdraw because of failure in the work of a previous semester will receive a refund in accordance with the above schedule.

#### **Tuition Rebates for Certain Undergraduates**

The purpose of this program is to provide tuition rebates that will provide a financial incentive for students to prepare for university studies while completing their high school work, avail themselves of academic counseling, make early career decisions and complete their baccalaureate studies with as few courses outside the degree plan as possible. Minimizing the number of courses taken by students results in financial savings to students, parents and the state. To be eligible for rebates under this program, students must meet the following conditions:

1. they must have enrolled for the first time in an institution of higher education in the Fall 1997 semester or later;
2. they must be requesting a rebate for course work related to a first baccalaureate degree received from a general academic teaching institution;
3. they must have been a resident of Texas as set forth under Chapter 21, Subchapter B of this title (relating to Determining Residence Status) and have been entitled to pay resident tuition at all times while pursuing the degree;

4. if enrolled for the first time in fall 2005 or later, graduate within four calendar years for a four-year degree or within five calendar years for a five-year degree if the degree is in architecture, engineering or any other program determined by the Texas Higher Education Coordinating Board to require more than four years to complete, and
5. they must have attempted no more than three hours in excess of the minimum number of semester credit hours required to complete the degree under the catalog under which they were graduated.

Hours attempted include transfer credit, course credit earned exclusively by examination (except that, for the purposes of this program, only the number of semester credit hours earned exclusively by examination in excess of nine semester credit hours is treated as hours attempted), courses that are dropped after the official census date, for-credit developmental courses, optional internship and cooperative education courses and repeated courses. Courses dropped for reasons that are determined by the institution to be totally beyond the control of the student shall not be counted. For students concurrently earning a baccalaureate degree and a Texas teaching certificate, required teacher education courses shall not be counted to the extent that they are over and above the free electives allowed in the baccalaureate degree program.

The rebate for eligible students is a maximum of \$1,000. Eligibility requirements and application forms are available in the offices of the school heads.



## STUDENT FINANCIAL AID PROGRAMS

Marie Saldana, *Director of Financial Aid & Scholarships*  
Main Campus Building, Room 108  
(210)784-6201  
Email: [financialaid@tamusa.tamus.edu](mailto:financialaid@tamusa.tamus.edu)

The Student Financial Aid Office assists students in obtaining financial assistance through a variety of federal, state and private sources in order to supplement their own contribution to a college education. The financial gap between the cost of an education and monies available from the family can be complemented by grants, loans, scholarships and/or student employment. The office updates the types of aid available annually. Federal regulations require that a student must make satisfactory academic progress to continue receiving Title IV funds.

To be considered eligible for financial aid at TAMUSA an applicant must:

- Be admitted to Texas A&M University-San Antonio as a regular student.
- Be enrolled at least half-time in an eligible program of study.
- Be a US citizen or permanent resident of the United States.
- Have completed the Free Application for Federal Student Aid (FAFSA) by the appropriate deadline.
- Not be in default on a student loan.
- Not owe a refund on a federal grant.
- Demonstrate financial need.
- Not be enrolled in a seminary or in a program leading to ordination or licensed to preach for a religious sect or be a member of a religious order.
- Students must re-apply for financial assistance every year by completing the requirements stated above. The award does not continue automatically beyond award period.
- Meet the requirements of the Satisfactory Academic Progress Policy.  
Transfer students must make sure that all financial aid is cancelled at the previous institution to ensure that there will be no delays in the awarding of financial aid at Texas A&M University-San Antonio. Federal regulations require a student to be making satisfactory progress toward the completion of a degree or certification in order to be eligible to receive Title IV funds. The Financial Aid Office at Texas A&M University-San Antonio applies this rule to ALL students applying for any aid. Please Review the Satisfactory Academic Progress Requirements.

### How to Apply

Students should always be on the lookout for financial aid opportunities. One way they can make the most of those opportunities is to follow through with the financial aid application process. Applying for Financial Aid should begin as soon as possible. Considerable amount of lead time needs to be considered when applying for financial aid.

### Priority Deadlines:

Fall/Spring - March 31

Spring - November 1

Summer – May 1

1. Apply for a student and parent **Federal PIN number online**. Your PIN will allow you to access and sign your Free Application for Federal Student Aid (FAFSA).
2. Complete the **FAFSA online**. The form can be completed via the Internet, the processing center returns a Student Aid Report (SAR) to you via E-mail in about 7-10 working days. You should keep this form for your records. We will receive an electronic version of your SAR if you listed us as a school. Texas A&M University-Kingsville **Federal School Code is 003639**. By completing a FAFSA you may be considered for both federal and state financial aid. There are three primary types of financial aid which include grants, loans and student employment.

3. You will be notified via e-mail that your Student Aid Report (SAR) is ready for review and has been forwarded to the school of your choice. If your SAR has errors, **correct them online** using your Federal PIN.
4. Monitor your status online on Jaguar Connect. The U.S. Department of Education may randomly select you for the verification process. If selected we will request specific documents to complete your financial aid application. We also will notify you of any additional documentation that may be required.
5. In order to be eligible for federal funding, you **MUST** be a fully admitted degree-seeking student. Check your status online at Jaguar Connect.
6. We will notify you via e-mail when you have been awarded financial aid. Accept or decline your financial aid awards. Once the application process is complete we will create an award package for you. You will need to check Jaguar Connect on your financial aid eligibility. It will include information regarding the types of aid you may qualify for. Grants and scholarships will be readily available, but the loans require additional paperwork. Work-Study may be awarded also, but it will be the responsibility of the student to find a position within the university to receive the funds. It is the responsibility of the Student to have other resources available should the financial assistance not cover the total educational expenses.

Please contact the office of Student Financial Aid if you have any questions about the financial aid assistance process. We will be happy to assist you in any way possible.

**You may contact the Department of Education at:**

Federal Student Aid Information Center  
 1-800-4-fed-aid (1-800-433-3243)  
 9:00 a.m. to 8:00 p.m. (Eastern Standard Time)

**Cost of Attendance**

The cost of attendance (COA) is an estimate of what it costs the typical student to attend Texas A&M University-San Antonio. Your cost of attendance is derived from data you provided on your FAFSA. The amounts cover your college tuition and basic living expenses.

When comparing financial aid packages from other schools, make sure you are comparing the total cost of attending that school, not just the total financial aid awarded. It is important for you to budget and make wise decisions regarding how to utilize the financial aid funds you receive.

**Estimated Cost of Attendance for Undergraduate Students at TAMUSA**

	Resident at Home with Parents	Resident Off Campus	Non-Resident at Home with Parents	Non-Resident Off Campus
Tuition & Fees	\$6,666	\$6,666	\$17,196	\$17,196
Room & Board	\$2,408	\$7,404	\$2,408	\$7,404
Books & Supplies	\$1,300	\$1,300	\$1,300	\$1,300
Transportation	\$2,408	\$2,408	\$2,408	\$2,408
Miscellaneous	\$2,058	\$2,762	\$2,058	\$2,762
Total	\$14,840	\$20,540	\$25,370	\$31,070

**Estimated Cost of Attendance for Graduate Students at TAMUSA**

	Resident at Home with Parents	Resident Off Campus	Non-Resident at Home with Parents	Non-Resident Off Campus
Tuition & Fees	\$5,633	\$5,633	\$12,653	\$12,653
Room & Board	\$3,456	\$7,404	\$3,456	\$7,404
Books & Supplies	\$975	\$975	\$975	\$975
Transportation	\$2,408	\$2,408	\$2,408	\$2,408
Miscellaneous	\$2,058	\$2,762	\$2,058	\$2,762
Total	\$14,530	\$19,182	\$21,550	\$26,202

**Tuition and Fees:** The average cost of tuition and fees is for a typical undergraduate student based on enrolling for 30 hours per academic year (Fall and Spring terms). The average cost of tuition and fees is for a typical graduate student based on enrolling for 20 hours per academic year. The actual costs that a student incurs will vary depending on the student's degree or certificate program.

**Room and Board:** A reasonable estimate of what it would cost to live in San Antonio while attending school for an academic year. Actual costs may vary by individual choices related to location and circumstances. Typically includes rent, food, snacks, household supplies, and utilities.

**Books and Supplies:** The average cost of books and supplies for a typical student for an entire academic year. Typically includes books, educational supplies, course materials, and computer-related expenses excluding the purchase of a personal computer.

**Transportation:** Represents travel to and from parent's residence and transportation costs to and from class and work (e.g., gasoline, parking).

**Miscellaneous:** Estimate of costs for clothing, haircuts, entertainment and other miscellaneous expenses. What you actually spend on these types of items may be higher or lower depending on your own lifestyle.

Adjustments to Cost of Attendance will be considered for one-time purchase of a computer, child care, and study abroad.

### **Financial Aid Status**

Students may view their financial aid status on Jaguar Connect to assist them in keeping up to date with their financial aid award.

1. Click on **Jaguar Connect**.
2. Click on **Login** For Students, Faculty, and Advisors.
3. Click **Yes** on the Security Alert window.
4. Click on **Enter Secure Area**.
5. Enter your Student ID (Banner ID; K Number) as the User ID, your date of birth as the PIN and login.
6. Click on **Student Financial Aid**.
7. Click on **Financial Aid**.
8. Click on **Financial Aid Status**.
9. Select the Aid Year and Submit.
10. Exit.

Award letters are mailed/e-mailed to eligible students to inform them of the amount, source, and conditions of acceptance of the financial assistance they will receive. It is advisable to keep the Office of Student Financial Aid informed of address changes. Address changes may be made at the Office of the Registrar. Be sure to log out of Jaguar Connect to ensure the safety of your information.

### **Accepting Awards Online**

To accept your financial aid, log on to Jaguar Connect at [www.tamusa.tamus.edu/jaguarconnect](http://www.tamusa.tamus.edu/jaguarconnect).

1. Login ID is the K# and the pin is the date of birth in a MMDDYY format.
2. Select the **Student & Financial Aid** link.
3. Select the **Financial Aid** link.
4. Select the **Award** link.
5. Select the **Award for Aid Year** link.
6. Select the Aid Year and submit.
7. Select the **Terms and Conditions** tab. Review all terms and conditions and select agree.
8. Note: All students must agree to the Terms and Conditions before accepting financial aid on Jaguar Connect and before **any** financial aid will disburse.
9. Select the **Accept Award Offer** tab.

10. Select the appropriate option to finalize your award:
  - a. To accept full loan amounts offered, select **Accept All Awards**.
  - b. To accept a partial amount, type in the amount desired, change the drop down box to accept, and select **Submit Decision**.

The amount desired will split in two disbursements, half for the Fall semester and half for the Spring semester.

### **Grants**

There are various forms of Financial Aid at Texas A&M University-San Antonio, which consists of grants, student employment and scholarships. These forms of financial aid are available to any people who qualify. In order to qualify, the student must complete a Free Application for Federal Student Aid (FAFSA) at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). To find out more information on the types of grants offered at Texas A&M University-San Antonio, please read additional information pertaining to each grant.

### **Pell Grant**

The Federal Pell Grant Program helps eligible students defray the cost of post-secondary education. The Pell Grant is a Federal Aid Program designed to provide a "foundation" of financial assistance to all undergraduate students and may be combined with other forms of aid to meet the full cost of education. To qualify, a student must demonstrate financial need. The amount of the grant is based on the computed Expected Family Contribution (EFC), the level of funding, and the cost of education. Students enrolled for less than full-time will receive a reduced grant award in accordance with federal grid tables. Pell Grant eligibility will usually be limited to 195 earned hours of undergraduate study. Eligibility must be established each year:

- A student must be enrolled in an eligible program as a degree-seeking student.
- A student must be an undergraduate who has not earned a first baccalaureate degree.
- Meet the requirements of the Satisfactory Academic Progress Policy.

For 2012-2013 Pell Grant award amounts range from \$609 to \$5550 per academic year at Texas A&M University-San Antonio

### **Supplemental Education Opportunity Grant**

The SEOG program was established to assist in making the benefits of post-secondary education available to qualified students who, for lack of financial means of their own or of their families, would be unable to obtain such benefits without the grant.

The Supplemental Educational Opportunity Grant (SEOG) provides grants to students who demonstrate the greatest financial need. Students must be eligible for the Pell Grant and demonstrate exceptional financial need. Eligible students must be citizens or permanent residents of the U.S. who are accepted for admission and are enrolled at least half-time as undergraduate students, and are maintaining Satisfactory Academic Process.

- A student must meet all Title IV requirements.
- A student should demonstrate exceptional financial need and be eligible for a Pell Grant and have a 0 EFC (Expected Family Contribution). Exceptional financial need is established if the student's family resources do not exceed 50% of the cost of education.
- A student must be an undergraduate who has not earned a first baccalaureate degree.
- A student cannot be enrolled in a seminary or in a program leading to ordination or licensed to preach for a religious sect or be a member of a religious order.

The maximum award for an academic year is \$4000. The maximum award at TAMUSA is \$1000 per semester or \$2000 per academic year and is awarded first to those with lowest EFC's who are eligible for Federal Pell Grants. If funds are still available, SEOG is awarded to others remaining with lowest EFC. Any exception to these limits is made on an individual basis based on the professional judgment of the director or the associate director. An SEOG award should not exceed 50% of the Financial Aid awarded to a student by the institution for an award period.

**Texas Grant** (Toward Excellence, Access & Success Grant Program)

This program is to provide a grant to enable well-prepared eligible students to attend public and private non-profit institutions of higher education in the state of Texas. The amount a student can receive depends on the number of hours taken by the student and the type of institution the student attends. It is an amount equal to the student's tuition and required fees. A student who:

- Is a Texas resident.
- Graduated from a public or accredited private high school in Texas no earlier than fall 1998.
- Completed the recommended or distinguished high school curriculum or its equivalent.
- Has financial need.
- Has applied for any available financial aid assistance.
- Enrolls at least 3/4 time in an undergraduate degree or certificate program.
- Has not been convicted of a felony or a crime involving a controlled substance.

Students who continue their college career and who meet the program academic standards can receive the TEXAS Grant for up to 150 semester credit hours or for six years, whichever comes first. The initial Texas Grant renewals criteria are based upon our Satisfactory Academic Progress.

The Continuing Texas Grant Renewal criteria are based upon the Texas Higher Education Coordinating Board's Academic Progress. The criteria states that a student receiving the continuing Texas Grant must complete 75% of the attempted classes for Fall/Spring, and maintain a GPA than or equal to 2.5.

Students will be considered for this award upon the submission of their final high school transcript, which needs to be turned into the Office of Admission after graduation. No separate Texas Grant Application is required. The student must complete a FAFSA application in order to determine financial need. Initial Funds are limited, so the awards will be a first come first serve basis.

**Texas Public Educational Grant (TPEG)**

The Texas Public Educational Grant program was established in 1975 to furnish financial assistance to needy students attending public institutions of higher learning in Texas. Awards approved through this program are derived from a combination of federal and state funds. Students must be United States citizens, national, or permanent residents of the United States, maintain satisfactory academic progress, and demonstrate financial need. The maximum award is \$2000 per academic year.

**Undergraduate Tuition Grant and Graduate Tuition Grant**

Students must be United States citizens, national, or permanent residents of the United States, maintain satisfactory academic progress, and demonstrate financial need. The maximum award is \$2000 per academic year.

**Federal Direct Loans**

The Direct Loan program is provided and administered by the Federal government, U.S. Department of Education. Student loan borrowing cannot exceed the cost of attendance, nor may you borrow over the annual and lifetime aggregates that are set for the Direct Loan. The Department of Education assesses an origination fee on each loan upon disbursement. The type of loan you are offered is based upon the results of the FAFSA.

Loan Type	Interest Rate
Undergraduate Unsubsidized Direct Loan	6.8%
Undergraduate Subsidized Direct Loan	5.6% on or after July 1, 2009 and before July 1, 2010
	4.5% on or after July 1, 2010 and before July 1, 2011
	3.4% on or after July 1, 2011 and before July 1, 2012
	6.8% on or after July 1, 2012
Graduate Unsubsidized Direct Loan	6.8%

## **Direct Loan Processing**

If you have been offered a Federal Direct Loan, you must complete the following steps:

Step 1: Accept or Reject your Aid

- Log into Jaguar Connect
- Navigate to Awards, and Accept or Reject your Aid

Step 2: Complete Loan Entrance Counseling (All New Borrowers)

- Go to: <https://studentloans.gov/myDirectLoan/index.action>
- Sign in and navigate to "Entrance Counseling"
- Complete the Entrance Counseling.

Step 3: Complete Electronic Master Promissory Note (eMPN) for Direct Loans (All Borrowers)

- Go to: <https://studentloans.gov/myDirectLoan/index.action>
- Sign in and navigate to "Sign Master Promissory Note"
- An eMPN can be completed in 9 steps. We estimate that it will take 30 minutes to complete the eMPN process. Make sure you allow enough time to complete the entire process in a single session. If you exit the website before submitting your signed MPN in Step 8 and return later, you will have to start over beginning with Step 1.
  1. PIN Registration
  2. Disclosure and Consent
  3. Provide Name and School
  4. Complete eMPN
  5. Review/Read Draft eMPN
  6. Sign Your eMPN
  7. Review signed eMPN, Enter Confirmation Code
  8. Confirm Acceptance or eMPN Terms and Submit eMPN
  9. Success! Print your eMPN for your records. (You do not need to submit this form to your school)
- Once you complete the eMPN process completely, the school will receive electronic notification that your MPN is complete. This will allow the Office of Student Financial Aid to continue processing your loan disbursements.

**Direct Loan Limits**

Annual and lifetime (total debt) limits for subsidized and unsubsidized student loans are mandated by the U.S. Department of Education. The amounts include the outstanding principal balance on the loan(s) and not interest or other charges incurred.

Dependent Undergraduate Students		
	Subsidized Loan	Additional Unsubsidized
Freshman	\$3,500	\$2,000
Sophomore	\$4,500	\$2,000
Junior/Senior	\$5,500	\$2,000
Maximum Total Debt <sup>1</sup>	\$31,000 (\$23,000 may be Subsidized)	
Independent Undergraduate Students		
	Subsidized Loan	Additional Unsubsidized
Freshman	\$3,500	\$6,000
Sophomore	\$4,500	\$6,000
Junior/Senior	\$5,500	\$7,000
Maximum Total Debt <sup>1</sup>	\$57,500 (\$23,000 may be Subsidized)	
Graduate/Professional Students		
Unsubsidized Loan	20,500/Academic Year	
Maximum Total Debt <sup>1,2,3</sup>	\$138,500 (\$65,500 may be Subsidized)	

<sup>1</sup>All “Maximum Total Debt” amounts include both DIRECT and FFELP subsidized and unsubsidized loans.

<sup>2</sup>The graduate total debt limit includes subsidized and unsubsidized student loans received during undergraduate study.

<sup>3</sup>Beginning Fall 2012, Federal Direct Subsidized Loans will no longer be offered to Graduate Students due to changes in Federal Guidelines.

**Direct Loan Exit Counseling**

Upon withdrawing, graduating, dropping below half-time, or simply not returning, you will be sent information on how to complete exit counseling.

**SATISFACTORY ACADEMIC PROGRESS (SAP) POLICY FOR FINANCIAL AID**

**Academic Progress Standards**

The various federal and state regulations governing student financial assistance programs require that an institution develop standards to measure students' reasonable progress toward a degree objective. Satisfactory Academic Progress will be evaluated at the end of each academic term (fall, spring, and summer). This evaluation reviews all credit hours attempted at Texas A&M University-San Antonio, regardless of whether or not financial aid was received. The following qualitative and quantitative standards must be met to remain eligible for financial assistance at Texas A&M University-San Antonio.

**Qualitative Measures of Academic Progress**

The qualitative measure of academic progress is a grading scale of 0.00 to 4.00, based on students' enrollment classification. Incoming freshmen, graduate students, or transfer students will be eligible to apply for financial assistance upon admission to the university during their initial term. Undergraduate and returning students who have previously attended the university must achieve a minimum cumulative grade point average of 2.00 to maintain eligibility for financial assistance. Graduate students who have previously attended the university must achieve a minimum cumulative grade point average of 3.00 to maintain eligibility for financial assistance.

**Quantitative Measures of Academic Progress**

In addition to maintaining a minimum grade point average, students must demonstrate acceptable progress toward a degree or certificate objective in order to remain eligible for financial assistance. Students cannot receive financial aid beyond a specified total of attempted credit hours, and they must pass a certain percentage of the credit hours for which they enroll. These requirements are summarized as total credit hours and ratio of earned hours to attempted hours on the chart below.

Classification	Grade Point Average	Ration of Passed Hours to Attempted Hours	Total Attempted Hours (including transfer credits)
Undergraduate	Minimum 2.0	67%	195 credit hours <sup>A,B</sup>
Graduate	Minimum 3.0	67%	54 credit hours <sup>C</sup>

<sup>A</sup> Includes remedial courses

<sup>B</sup> Second Baccalaureate: additional review required

<sup>C</sup> Second Graduate: additional review required

Hours earned do not include grades of 'F' (failed), 'I' (incomplete), 'U' (unsatisfactory), 'Q' (withdrawal) or 'QI' (withdrawal identifier for Senate Bill 1231). Courses that have been repeated will be counted for each enrollment as hours attempted, and will be counted as hours passed if a grade other than F, I, U, Q, or QI is received. Remedial course credits will also be used to determine a student's enrollment status for financial aid eligibility.

### **SAP Warning**

After one semester of not meeting the SAP standards, students will be issued a warning and will be permitted to receive financial aid for the next semester. However, after the one semester of warning, students who fail to meet any one or a combination of the SAP measures will be ineligible for financial assistance. Students may appeal if there are extenuating circumstances contributing to the lack of academic progress.

### **Financial Aid Appeals**

Students who are denied financial assistance may appeal the decision.

### **Appeal Procedure**

If mitigating/extenuating circumstances exist, a student may initiate an appeal through the Office of Student Financial Aid. Examples of possible mitigating circumstances are medical problems or serious illness, illness or death of a family member, change of majors, change of grade, or other similar situation. The Appeal Form can be obtained at the Office of Student Financial Aid or online at: <http://www.tamuk.edu/finaid/onlineforms.html>.

Copies of all supporting documentation should be attached to this form. To ensure proper identification of the student's documents, please include the K Number on all pages.

Failure to provide the required documentation will result in the denial of the student's appeal. All information will become a part of the student's confidential financial aid record and cannot be returned. The student will receive notification from the Financial Aid Office in two to four weeks regarding the status of the appeal. Appeals submitted after the first day of class each semester may require additional time for review and a response.

### **Approval of Appeal**

Upon approval of the appeal, the student must meet with their financial aid officer to develop an Academic Plan to receive financial assistance for the term of their approval. Failure to adhere to the conditions of the Academic Plan will result in the cancellation of all future financial assistance. No future appeals will be accepted.

### **Denial of Appeal**

If the appeal is denied, the student will be ineligible for future aid until they have met the minimum standards of Satisfactory Academic Progress. No future appeals will be accepted.

### **Monitoring of Academic Plan**

Academic Plans are reviewed at least once per academic term. Failure to adhere to the conditions of the Academic Plan will result in the denial or cancellation of all future aid until the student has met the minimum standards of Satisfactory Academic Progress.

### **Tuition and Fees Refund Policy**

The Higher Education Amendments of 1998 (HEA98) represent a major shift in the Return of Title IV Federal Financial Aid when a student withdraws from the University. Effective October 7<sup>th</sup>, 2000, Texas A&M University – San Antonio will implement this policy for all students who withdraw on or after that date. The policy governs all federal grant and loan programs (Pell, SEOG, Stafford Loans, Perkins and PLUS loans), but does not include the Federal Work-Study program.



In general, the new law assumes that a student "earns" approved (verified) federal financial aid awards in proportion to the number of days in the term prior to the student's complete withdrawal. If a student completely withdraws from school during a term, the school must calculate, according to a specific formula, the portion of the total scheduled financial assistance that the student has earned and is therefore entitled to retain, until the time that the student withdrew. If a student receives (or the University receives on the student's behalf) more assistance than he/she earns, the unearned funds must be returned to the Department of Education or to the Federal Stafford or parent's Federal PLUS loan lenders. If a student's charges are less than the amount earned, and a refund is due, the student may be able to receive those additional funds. Students who have not completed the verification process are ineligible to receive any financial aid.

The portion of the federal grants and loans that the student is entitled to receive is calculated on a percentage basis by comparing the total number of days in the semester to the number of days that the student completed before he/she withdrew. The new policy governs the earned and unearned portions of the student's Federal Title IV Financial Aid only. It determines how much, if any, the student and/or the school may need to return. This policy does not affect the student's charges. The University's withdrawal policy will be used to determine the reduction, if any, in the student's tuition and fee or room and board charges. The student is responsible for paying any outstanding charges to the University.

When a student withdraws from the University during the first twenty (20) days of classes during a long semester or six (6) days during a summer session the University will refund a portion of the Tuition and Fees charged to a student. The percentages refunded back are as follows:

- Prior to 1<sup>st</sup> Class day for long semesters (Fall, Spring) and summer sessions 100%.

**Long semesters:**

- 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> Class Days, the percentage is 80%.
- 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup>, and 10<sup>th</sup> Class Days, the percentage is 70%.
- 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup>, and 15<sup>th</sup> Class Days, the percentage is 50%.
- 16<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup>, and 20<sup>th</sup> Class Days, the percentage is 25%.
- After 20<sup>th</sup> Class Day 0%.

**Summer sessions:**

- 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Class Days, the percentage is 80%.
- 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> Class Days, the percentage is 50%.
- After 6<sup>th</sup> Class Day 0%.

The refund will be returned to the student only if the student did not receive financial aid assistance from either Title IV programs or State programs. In the cases where the student did receive assistance from these programs, the refund will be returned to the programs, in the following order:

1. Unsubsidized Loan
2. Subsidized Loan
3. Perkins Loan
4. PLUS Loan
5. Pell Grant
6. Academic Competitiveness Grant
7. National SMART Grant
8. FSEOG Grant
9. TPEG Grant
10. RPEG Grant
11. NPEG Grant
12. Texas Grant

The student's official withdrawal date will be determined by the University as:

1. The date the student began the University's withdrawal process.
2. The midpoint of the semester if the student withdraws without notifying the University.
3. The student's last date of attendance at an academically-related activity as documented by the University.

If it is determined that the University must return to the Title IV programs monies in excess of any Tuition & Fees or Room & Board, the student will be responsible for those monies.

Any grant funds that the student is required to return to the federal programs are considered an overpayment. The student must either repay the amount in full to the University within 45 days of notification of the overpayment or make satisfactory payment arrangements with the Department of Education to repay the amount. If the student fails to repay to the University within 45 days, the University will notify the Department of Education Collections that the student owes an overpayment. At that point, until the student pays the amount in full to the Department of Education or makes repayment arrangements with the Department of Education, the student will lose his/her eligibility to receive future federal financial aid at any institution.

#### **Federal Policy Regarding 'Unofficial Withdrawals'**

The Federal Regulation GEN 0403 provides guidance on the application of Return to Title IV aid requirements. This new guidance requires institutions to closely monitor the attendance of students who receive Title IV aid.

At the end of every semester, grade evaluations are completed to determine compliance with this new regulation. The Federal government assumes that students who do not receive a passing grade in any class attempted and/or receive incomplete grades have unofficially withdrawn from the institution. This assumption requires Texas A&M University-San Antonio to formally document the attendance of students who received all "F's" or "I's" in classes attempted in that period.

If a student earns a passing grade in at least one course, the Return to Title IV policy is not applicable.

#### **Scholarship Information**

At Texas A&M University-San Antonio, we recognize the importance of a quality education. We are dedicated to helping you find a way to achieve your higher education goals. In addition to awarding University Scholarships, we also process private scholarships. To ensure maximum consideration, it is imperative that students are knowledgeable of the specific requirements and deadlines associated with all scholarships awarded.

#### **Important Scholarship Dates for General Scholarships**

	<b>Fall 2012</b>	<b>Spring 2013</b>
Priority Deadline	April 30th	November 15th
Final Deadline	August 15th	January 1st

#### **Basic Eligibility Criteria**

To be eligible for scholarships, all students must complete the Application for Admission for Texas A&M University-San Antonio through [www.applytexas.org](http://www.applytexas.org) and be admitted to Texas A&M University-San Antonio by completing all admission requirements required.

- Complete the Free Application for Federal Student Aid (FAFSA) at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). (International students are not eligible to apply for the FAFSA).
- Must be a degree-seeking student.
- Have submitted all paperwork requested from the Financial Aid Office for need based scholarships.

#### **Process of Applying for a Scholarship**

In order to qualify for a scholarship, you must create an account in the Jaguar Scholarship Online System and submit your request. Complete application and submit any additional documents if required. Students will be notified by

written letter if they have or have not been awarded. To apply for scholarships go to:  
[www.tamusa.tamus.edu/welcomecenter/scholarships.html](http://www.tamusa.tamus.edu/welcomecenter/scholarships.html)

### **Important Scholarship Information**

- A new scholarship application must be submitted each long semester (ex. Fall and Spring term).
- Applicants will be considered for all the scholarships in which they meet the criteria.
- Meeting the application requirements and scholarship criteria does not guarantee you will be awarded a scholarship.
- Awards are limited to availability of funding.
- Spelling, grammar, mechanics, and the overall completeness of your application will be considered during the selection process.
- Some scholarships require a letter of recommendation and an essay. If you are submitting your application close to the deadline, please be aware of the time restraints that may be put on the recommender.
- Incomplete applications will not be reviewed.
- Federal regulations require that we consider all of your resources when determining eligibility for financial aid. Receipt of a scholarship may change the composition of your financial aid award, and in some cases, may reduce your student loans or other tuition grants.
- Changes to applications are not permitted once the application is submitted.

### **STUDENT EMPLOYMENT**

For students who want to supplement their educational resources through part-time employment, two types of services are offered. The Federal/State College Work-Study Program is for those students who qualify for financial aid. The Part-Time program is for students who do not qualify or who do not apply for financial aid. Both these programs are administered through the Office of Student Financial Aid.

#### **Federal/State College Work-Study Program**

The federal government and the State of Texas will provide funds to the university to enable students who qualify for these programs to secure on-campus employment. The university recommends that students secure a job which complements and reinforces their educational program and vocational goals. Students who are enrolled for at least half-time status, are citizens or permanent residents of the United States, have demonstrated financial need, are maintaining satisfactory progress, are not in default on any student loan made through or approved by an institution and who do not owe a refund on any grant previously received are eligible. Students must have been awarded and accepted the Work-Study award before being referred for an interview. Acceptance of the Work-Study award is not a promise of a job; it establishes eligibility. When the terms begin and during the school year, jobs are posted on the bulletin board across from the Welcome Center. Students who have established eligibility and meet the job requirements (if any) can request to be referred for an interview. Continuation in the job depends on funds available and the student's job performance. Previous employment does not guarantee continued employment.

#### **Part-Time Student Employment**

The University offers part-time employment to a number of students in various offices and departments. Student employment on a part-time basis by the University is limited to 19 hours per week. Students may learn of on-campus employment opportunities through the Career Services Office or via Jaguar Jobs, our online Career Job Posting website <https://tamusa-csm.symplicity.com/students/>.

## STUDENT LIFE AND WELLNESS

**Jolene Des Roche, Director, Student Life and Wellness**  
**Main Campus Building, Room 361**  
**(210)784-1336**

The Director of Student Life and Wellness exercises broad responsibility for the student services of the University. This office is responsible for improving the quality of life for students and assisting them in attaining their educational goals; for promoting an environment which aids in the students' emotional, social, cultural, and ethical development; and for working with all academic schools and departments as an advocate for students' rights. The Director of Student Life and Wellness oversees the creation and implementation of programs, services, and activities which are consistent with the University's mission. The Director of Student Life and Wellness oversees Campus Activities, Student Counseling Services, Campus Activities Board, student discipline, and specific recognition programs. The Director of Student Life and Wellness also has oversight of certain councils and committees that are charged with providing cultural and enrichment programs to the university community.

### **Standards of Campus Conduct**

Members of the University community assume full responsibility for compliance with Texas laws and for proper self-conduct. In addition to behaving according to the ordinary conventions of adult society, members of the University community are bound by University rules, procedures, administrative procedures, handbooks, catalogs and other university approved directives conducive to creating a positive campus atmosphere and general academic well-being.

The code for student conduct is set forth in the *Student Handbook*. Specific attention is given there to rules addressing academic misconduct, hazing, sexual harassment and substance abuse, including alcohol abuse and the illicit use of drugs. Grievance procedures and guidelines for sanctions are outlined.

In order to create a healthy and pleasant atmosphere, a campus-wide smoking policy designates Texas A&M University-San Antonio as a smoke-free campus.

### **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 Director of Student Life and Wellness.

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 incidents causing personal injury or property damage, an amount double the loss or expenses incurred because of the hazing incident.

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

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

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

Texas Education Code Section 37.151 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.

### **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. This information is contained in an annual report available in the University Library.

### **Student Government Association**

The Student Government Association (SGA) is the highest governing body for students at Texas A&M University-San Antonio. It plays an active role in campus affairs and makes recommendations to the University administration for improving student life. Meetings are held bi-weekly and are open to the public. The student body elects the president, vice-president and the senators during a general student election held each spring.

### **Student Center**

#### **Main Campus Building, 1st Floor**

Generally considered the center of social life on campus, the student center is the “living room” of our campus. Students often congregate in the student center between classes or use the center for study groups. The student center also hosts a variety of events including social, cultural academic programs, as well as special events. The student center is open daily during regular university hours, unless otherwise posted. When permissible, alternative study space will be made available when the student center is closed for events. Reservation of the student center is available on a limited basis. Contact the Office of Student Engagement & Success to check availability.

### **Campus Activities**

**Jolene Des Roche, Director, Student Life and Wellness**

**Main Campus Building, Room 361**

**(210)784-1336**

Campus Activities coordinates the majority of the co-curricular opportunities for our students. It serves as the hub for all Texas A&M University-San Antonio student organizations and provides many services/resources. The office is responsible for activities such as registering organizations and helping student groups with operational assistance. The office also coordinates campus-wide events. Believing co-curricular involvement is essential to student success, Campus Activities strives to complete our students’ education.

### **New Student Orientation Programs**

**Jolene Des Roche, Director, Student Life and Wellness**

**Main Campus Building, Room 361**

**(210)784-1336**

The New Student Orientation Program is specifically designed for undergraduate and graduate students who are new to Texas A&M University-San Antonio and have not been enrolled during a full semester term (fall or spring) within the past year.

The New Student Orientation Program has been designed to assist students in their transition from previous academic institutions to Texas A&M University-San Antonio. Each academic institution has their unique policies, procedures and services. The New Student Orientation Program provides information specific to the academic expectations and performance policies, in addition to the services, resources, and involvement opportunities for students at Texas A&M University-San Antonio.

### **Student Publications**

**Jenny Moore, Director of Student Media**

**Brooks City Base, Bldg. 775, Room 179**

**(210)784-7129**

The student publication is entitled “The Mesquite.” The Mesquite, an online publication updated daily and produced by communications students at Texas A&M University-San Antonio, offers students a journalism laboratory and a gateway to professional-level work while also providing the campus community with news, information and

perspectives. The Mesquite is under the direction of Jenny Moore, Director of Student Media and faculty member from the School of Arts & Sciences.

### **Student Counseling Services**

**Main Campus – One University Way, Suite 361**

**Brooks City-Base Campus – 2601 Louis Bauer Drive, Suite 149  
(210)784-1331**

Student Counseling Services supports the needs of the diverse TAMU-SA student population by providing counseling and mental health services to currently enrolled students. Counseling services are short-term developmentally-focused and are free of further charge as services are funded through the Student Service Fee. Counseling services are as confidential as the law allows and are not part of a student's academic or university record. SCS providers are licensed professionals and utilize a brief therapy model to provide students the opportunity to identify the factors that contribute to their difficulties and to deal more effectively with the psychological, behavioral, interpersonal and situational causes of those difficulties.

### **Disability Support Services**

Sarah Ramseur, *Director of Disability Support Services*

Main Campus - One University Way, Suite 127

Brooks City Base Campus – 2601 Louis Bauer Drive, Suite 149

210-784-1335

[dsupport@tamusa.tamus.edu](mailto:dsupport@tamusa.tamus.edu)

Disability Support Services is committed to providing services, support and programming that enhance student awareness and independence on physical, emotional, social and intellectual levels. Disability Support Services supports the needs of the diverse TAMU-SA student population by providing innovative and exceptional services that eliminate barriers and are consistent with the highest professional & ethical standards. It is our hope that these services will produce access to a teaching and learning environment that will promote student participation and engagement. All services and information provided are confidential and will not be released without written permission from the student. Office hours are Monday through Friday, 8 a.m. to 5 p.m. or by appointment.

## UNIVERSITY SERVICES

The University provides a number of services for the University community. These are free or have minimal charges.

### **Veterans' Services**

#### **Veterans Certification Office**

**Norberto Trejo, *Certifying Official***

**Extension 1395; Main Campus Building, Room 106  
(210)784-1395**

#### **Trisha Ruiz, *Veterans Benefits Coordinator***

**Extension 1396; Main Campus Building, Room 106  
(210)784-1396**

Courses at Texas A&M University-San Antonio are approved for veterans' training and benefits. Veterans Certification Office, located next to the Welcome Center, assists veterans with matters relating to their training programs.

The following programs are approved for students who wish to further their education: Chapter 33, Post 9/11 GI Bill, Chapter 30, Montgomery G.I. Bill-Active Duty; Chapter 1606, Montgomery G.I. Bill-Selected Reserve; Chapter 1607, Reserve Educational Assistance Program (REAP); Chapter 35, Dependents Educational Assistance (DEA); and Chapter 31, Vocational Rehabilitation. General and detailed descriptions of each program are online at [www.gibill.va.gov/GI\\_Bill\\_Info/benefits.htm](http://www.gibill.va.gov/GI_Bill_Info/benefits.htm).

Any student who feels he/she may be eligible for education benefits should complete an application at the Veterans Certification Office. The completed application will be electronically submitted to the Veterans Affairs Regional Office (VARO) in Muskogee, OK through Veterans Online Application (VON-APP) for review. The VARO will make the official decision to grant or deny benefits.

Students are encouraged to apply for GI-Bill/Hazelwood benefits as early as possible. Students receiving VA benefits will be required to comply with the university's deadlines for registering and paying for their courses.

New students entering the university (who intend to request benefits) must stop by the Veterans Certification Office to complete an application and obtain needed information relative to their enrollment and certification. Students must provide all necessary documents: copy of their DD Form 214 (Member 4 copy), Certificate of Eligibility (less than 12 months old), official copy of military transcript and a copy of their certified degree plan from the college he/she is seeking a degree in order to process the request for their benefits. . Incomplete applications will not be processed and will result in a delay of benefits.

Transfer students must provide the Veterans Certification Office with copies of transcripts from all colleges attended and a copy of their certified degree plan.

Veterans should have military credit evaluated at the close of the first semester or upon the successful completion of 12 semester hours and furnish the Veterans Certification Office with a copy of their updated degree plan. Also, any transfer credit from prior educational institutions needs to be evaluated before the close of the first semester and a copy of an updated degree plan furnished to the Veterans Certification Office.

All active duty personnel receiving tuition assistance must process their paperwork through the Business Office.

### *Standards of Progress for Veterans*

A student receiving full or part-time veteran's education benefits must maintain a cumulative 2.0 grade point average. Students who wish to receive veteran's benefits and who transferred from another institution without the required 2.0 GPA must come to the Veterans Certification Office before registering for classes to determine whether or not they are eligible for certification (benefits). The scholastic status of a student receiving veteran's benefits can

be changed by attending summer school and meeting the same standards that apply in the long semester.

#### *Veterans Semester Hour Classification*

The VARO uses the semester hour classification scale below to determine a veteran's payment. The number of semester hours enrolled at this university will be reported to the VARO.

Full or part-time status for fall/spring semesters is determined by the following:

- 12 credit hours is full-time
- 9-11 credit hours is 3/4 time
- 6-8 credit hours is 1/2 time
- 4-5 credit hours is less than 1/2 time (<1/2-time)
- 1-3 credit hours is 1/4-time or less (constitutes tuition and fees only)

Full or part-time status for summer terms is determined by the following:

- 4 credit hours is full-time
- 3 credit hours is 3/4-time
- 2 credit hours is 1/2-time
- 1 credit hour is 1/4-time (constitutes tuition and fees only)

#### *Hazelwood Program*

In order to qualify for tuition and partial fee exemption through the Texas Education Code 54.203 (known as the Hazelwood Act), a person must meet all program requirements. Contact the Veterans Certification Office for eligibility requirements.

#### **Career Services**

**Bennett Grey, Career Services Advisor & Outreach Coordinator**

**Main Campus Building, Room 342**

**Brooks City Base, Bldg. 775, Room 148**

**(210)784-1339**

The Texas A&M University-San Antonio Career Services Center is dedicated to the development of innovative programs that promote the life-long career management for undergraduate and graduate students as well as alumni. The Career Center assists students in exploring and defining career options, developing job search strategies, identifying and networking with prospective employers, and obtaining career-related work experience through internships and experiential education opportunities.

The Center also provides individual and group career advisement, professional correspondence services (resume building, cover letter writing, application troubleshooting, graduate essay advisement, and personal statement advisement), career-driven workshops, career fairs, on-campus interview opportunities, and the administration and interpretation of career assessments.

#### **Learning & Tutoring Studio**

**Main Campus Building, Room 337**

**(210)784-1329**

The Learning Studio is a reduced noise study space that allows students access to all tutoring resources. Students have access to computers for SMARTHINKING and can schedule appointments with a university tutor. SMARTHINKING is an online tutoring service offered through Texas A&M University-San Antonio to all of our students. Click [www.smarthinking.com](http://www.smarthinking.com) for an overview of the online tutoring services and practice areas. SMARTHINKING provides tutoring in mathematics (basic math through Calculus, including Bilingual Math), Biology, Intro Human A & P, Chemistry, Organic Chemistry, Physics, Economics, Accounting, Intro to Finance, Statistics, Spanish, and Writing. Tutoring is available up to 24/7.



For more information about SMARTHINKING, including login information, types of tutoring available, times when specific tutors are available, go to the TAMU-SA home page at <http://www.tamusa.tamus.edu/sanantonio>. Library staff is also available to answer general questions regarding SMARTHINKING.

For more information about personal tutoring services and a list of available tutors contact Student Life and Wellness at (210)784-1329.

The JAGS (Jaguar Academic Guides to Success) Program offers academic skill building strategies and can assist you in developing an effective academic success plan. If you are interested in the JAGS program, contact Student Counseling Services at (210)784-1331.

**TAMU-SA Identification Card**  
**Main Campus Building, Room 106**  
**(210)784-1300**

<http://www.tamusa.tamus.edu/welcomecenter/index.html>

Texas A&M University-San Antonio requires an identification card (ID) for faculty, staff, and students. The TAMU-SA card must be presented upon request. All ID cards are issued at the Welcome Center Office. Students use the card to access student services. All questions concerning the ID card should be referred to the Welcome Center Office.

**International Student Services Office (ISSO)**  
**Sylvia Medel, *Director***  
**Main Campus Building, Suite 125**  
**(210)784-1308**

[internationaloffice@tamusa.tamus.edu](mailto:internationaloffice@tamusa.tamus.edu)

**Melissa Villanueva, *International Admissions Specialist***  
**Main Campus Building, Suite 125**  
**(210)784-1377**

[International.admissions@tamusa.tamus.edu](mailto:International.admissions@tamusa.tamus.edu)

The International Student Services Office facilitates and oversees the immigration process and international admission process at Texas A&M University-San Antonio's international population. The ISSO serves as a service department whose mission is to be a welcoming presence for all international students while protecting the integrity of the institution by complying with state, local, and federal regulations and facilitating the 'international' dimensions of education. In addition, the ISSO also offers a commitment to international education by providing an international orientation for new students, immigration advising, visa processing, and other programming. ISSO also educates the TAMU-SA community about international students.

**Bookstore**  
**Charlene Rhoads, *Bookstore Manager***  
**Main Campus Building, Room 134**  
**(210)784-7868**

Texas A&M University-San Antonio bookstore services are provided by Barnes and Noble.

**Office of University Communications**  
**Marilu Reyna, *Associate Vice President for University Communications and Institutional Advancement***  
**Main Campus Building, Room 309D**  
**(210)784-6269**

The Office of University Communications is responsible for all internal and external communications, including public relations, media relations, publications, marketing, advertising, web management, graphic design and special events. The executive director of University Communications serves as the official designated spokesperson for the university along with the university president.

**University Police Department****John Coleman, Associate Vice President for Safety and Security and Chief of Police****Main Campus Building, Room 120B****(210)784-6222**

The University Police Department's main function is to serve and protect the students, faculty and staff. The University Police Department also is charged with protecting University property, preserving the peace and maintaining civil order on campus while enforcing all federal, state and local laws as well as university rules and regulations. The University Police Department also provides security for all buildings on the main and satellite campuses. Call the University Police Department to report crimes or request assistance.

**Information Technology Services (ITS)****Ravindra Kallianpur, Director of Information Technology Services****Main Campus Building, Room 307B****(210)784-7133**

Information Technology Services (ITS) provides for the computing and technology needs of Texas A&M University-San Antonio and maintains the technology resources used by students, faculty, and staff for a variety of teaching, learning, and research needs. ITS provides open access labs for use by students 7 days per week, University-sponsored email and file storage, access to wireless networking, technology-enabled classrooms and virtual learning spaces, telephone services, software distribution for faculty and staff, video-conferencing systems, and much more. ITS also supports the learning management system used for online or hybrid instruction and the student information system used for registration and fee payment. The combined resources offered through the university provide all campus stakeholders with connectivity and access to information necessary to fulfill our educational and research missions.

The ITS Helpdesk provides timely technical support to the university community seven days per week. With multiple convenient locations (Main Campus room 307 and Brooks City-Base Campus room 144), ITS staff members are always available to offer service and support to students, faculty, and staff. The ITS Helpdesk can also be contacted by phone at 210-784-HELP (4357) or email at [helpdesk@tamusa.tamus.edu](mailto:helpdesk@tamusa.tamus.edu).

ITS also provides several self-service options, including submission of work-order requests, password reset requests, and remote assistance. These resources, and other information, are available through the ITS website: <http://www.tamusa.tamus.edu/ITS/index.html>.

# UNIVERSITY LIBRARY

## University Library

Stefanie Wittenbach, *University Librarian*

Main Campus Building, Room 111

(210)784-1501

<http://www.tamusa.tamus.edu/library/index.html>

### Staff:

Jacob Sherman, Arts and Sciences Librarian

Deidre McDonald, Education Librarian

Prudence Morris, Digital Resources Librarian

Sarah Timm, Public Services Librarian

Teresa de la Torre, Library Specialist III

Rhiannon Damon, Library Specialist II

Patricia Barrios, Library Specialist II

Bryant Moor, Library Specialist II

The Texas A&M University-San Antonio University Library's mission is:

The University Library at Texas A&M University-San Antonio is an integral part of the University's mission to prepare and empower students through a solid foundation for success as the primary learning support service for students on campus. The library is actively engaged in the teaching, research, and public service activities of TAMU-SA. The University Library provides research assistance and instruction, curriculum support, access to a wide variety of information resources, and facilities that foster independent study and collaborative engagement.

### Research assistance and instruction

The University Library's professional librarians and staff provide one-on-one research assistance all hours that the library is open, in-person, via e-mail, and via chat. In addition, librarians provide instruction in a variety of topics, including how to do research and how to format a research paper. Working with faculty, the librarians also provide course-specific instruction to aid students in successfully completing course assignments. Online tutorials and subject-specific online guides to resources are also available through Blackboard and on the Library's website.

### Curriculum support

The library serves as the coordinator of the university's online tutoring service, Smarthinking. Smarthinking is available to all students and is readily available on the university's website. The library also provides access to and support for Turnitin, an online plagiarism detection service.

### Information resources

The University Library provides a wide variety of information resources for students, faculty, and staff. Online resources, such as databases, electronic journals, e-books, and other information sources are available on campus and most are also available for off-campus use by university affiliated individuals. The onsite print and media collection is growing and consists of materials that directly relate to TAMU-SA academic programs, course reserves, and K-12 curriculum support materials. Books, journal articles, and other items may be requested from area libraries using a TexShare card, or requested online through ILLiad, the interlibrary loan/document delivery service.

### Library facilities

The University Library offers open access to computers, print and media collections, and study space for all students, faculty, staff, and the general public. Hours are posted on the University Library's website. The library has study rooms available for use by students on a first-come, first-serve basis that are equipped with display panels for laptop connection and white boards.

## **GENERAL REQUIREMENTS FOR GRADUATION WITH A BACCALAUREATE DEGREE**

The university has established General Education requirements for all baccalaureate degrees. A general education results in the acquisition of a common body of essential knowledge and skills that together facilitate the development of students as individuals and as members of communities. Students are strongly advised to consult their individual degree plans and academic advisors for any specific recommendations for their majors within the General Education curriculum. Students are also advised to consult the online catalog for any additions to the course offerings. Some courses are listed in two areas; a student may count such a course in either area, but not both.

That common body of essential knowledge and skills shall include the following six component areas equaling 42-44 semester credit hours:

### **Communication, divided into two areas:**

- A. English (Rhetoric/Composition) (010)  
Required: 6 semester credit hours  
ENGL 1301 and ENGL 1302

Objective: An ability to comprehend and articulate effectively in written English.

- B. Oral Communication (011)  
Required: 3 semester credit hours of oral communication  
Select one course from: SPCH 1311, SPCH 1315, SPCH 1318, SPCH 1321

Objective: An ability to use oral communications effectively, or to evaluate messages, and to employ critical thinking.

### **Mathematics (Logic, college-level algebra equivalent or above) (020)**

- Required: 3 semester credit hours  
Select one course from: MATH 1314, MATH 1324, MATH 1332, MATH 1414 or any other math course for which one of these courses is a prerequisite

Objective: An ability to reason analytically and demonstrate basic mathematical skills and knowledge.

### **Natural Science (030):**

- Required: 6 to 8 semester credit hours with laboratory experience

Objective: An ability to understand the history, nature, methods and limits of science, and the major impacts and influences of science and technology on contemporary society.

### **Humanities and Visual and Performing Arts, divided into two areas:**

- A. Visual/Performing Arts (050)  
Required: 3 semester credit hours
  
- B. Literature, Philosophy, Modern or Classical Language/Literature and Cultural Studies (040)  
Required: 3 semester credit hours

Objective: An ability to interpret, evaluate and appreciate works of human culture and express aesthetic or creative insights about the human condition.

**Social and Behavioral Sciences, divided into three areas:**

- A. U.S. History (legislatively mandated) (060)  
Required: 6 semester credit hours  
Six hours of U.S. History (three hours may be Texas History)
  
- B. Political Science (legislatively mandated) (070)  
Required: 6 semester credit hours  
Six hours of Constitutions of the United States and Texas
  
- C. Social/Behavioral Science (*Social/behavioral*) (080)  
Required: 3 semester credit hours

Objective: An ability to evaluate contemporary and historical societal and ethical issues, problems and values with a sense of balance between self-concern and public responsibility.

**Global Learning (*Global learning*) (090):**

- Required: 3 semester credit hours
- Select one course from: ANTH 2301, ANTH 2302, PHIL 1301, GEOG 1303, HIST 2321 or HIST 2322.

Objective: An ability to provide critical analysis of global issues and to identify commonalities and differences among diverse cultures.

**OTHER DEGREE REQUIREMENTS**

**Major and Minor**

A major, when specified as a degree requirement, shall consist of a minimum of 24 semester hours in one subject, 6 of which must be taken at this university. In English, the required freshman courses may not count as part of this amount.

A minor shall consist of a minimum of 18 semester hours in a subject closely related to the major. In English, the required freshman courses may not count as part of this amount.

At least 50% of the work offered in the major field must be advanced, and at least 6 semester hours of advanced work must be offered in the minor field.

**Advanced Work**

Candidates for all bachelor's degrees must have a minimum of 36 semester hours of advanced course work. Requirements for the B.A.A.S. degree can be found in the *Bachelor of Applied Arts and Sciences* section of this catalog.

**Grade Average**

An overall average of C (2.0) or above on all work attempted at Texas A&M University-San Antonio must be maintained. The grade average in the major and minor field where required must be C or above. For purposes of grade point average calculation on Texas A&M University-San Antonio course work for graduation, grades stand as recorded unless the same course is repeated at this university.

**Academic Residence Requirement**

Candidates for all bachelor's degrees must have a minimum of 25 percent of total semester hours required for the degree completed in residence at this university.

**RESTRICTIONS**

**Number of Physical Activity Courses**

No more than four semesters of kinesiology activity courses may be counted toward a degree, except for the kinesiology majors and minors.

**Maximum Number of Hours in Religion**

No more than 12 semester hours in religion may be counted toward any degree.

**Correspondence Work**

No credit earned by correspondence on a course previously failed in residence may be counted toward a degree at this university.

**Graduation Under a Particular Catalog**

A student has the privilege of being graduated according to the curricular requirements as stated in the catalog of the year in which the student first registered for work in residence at the university, or the student may be graduated under any later catalog of a year in which the student 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 Graduation**

A student who plans to receive a degree from Texas A&M University-San Antonio must apply for graduation. This process begins by submitting a graduation application to the Welcome Center by the deadline designated in the Academic Calendar. The Academic Calendar at the front of this catalog and the online Academic Calendar should be consulted for specific deadline dates. The degree will not be conferred unless the candidate has completed the application process on or before the designated deadline

**Use of Official Name on Diploma**

A student applying for graduation must use his or her official name as listed on the permanent record in the Office of the Registrar. No nicknames or any other informal name will be allowed. All printed information, including diplomas, will list a student's official name. A student requesting a name other than his or her official name on the diploma must change the name on the permanent record.

**Graduation in Absentia**

Graduation in absentia will be permitted only under special conditions stated in writing and approved by the Provost and Vice President for Academic Affairs.

**A Second Bachelor's Degree**

Two degrees of the same type (B.B.A., B.A., B.S., etc.) will not be awarded concurrently from the same college (at the same graduation). A single degree with a double major will be awarded.

The applicant for a second bachelor's degree must complete all residence requirements, the specific course requirements of the second degree, and meet the required grade point average.

**COMMENCEMENT AND COMMENCEMENT HONORS  
(For undergraduate degrees only)**

Commencement is the ceremony in which candidates for the award of degree are recognized. Actual degrees are not awarded at the commencement ceremony. A final degree audit must be completed before a degree is officially awarded. A degree audit will not be completed unless the candidate applies for graduation in the term in which they plan to graduate.

Students participating in a commencement ceremony may be recognized with commencement honors. Commencement honors are determined by using the institutional GPA at the end of the semester immediately preceding the semester in which the student is a candidate.

Honors eligibility for cum laude, magna cum laude, and summa cum laude are used as indicated in the section below titled "Graduation with University Honors."

Prior to the May and December Commencement ceremonies students will be notified if they are eligible to participate with honors at the commencement ceremonies.

Participation with honors at commencement does not imply that the student will be awarded University Honors. Students must achieve an honors eligible GPA once final grades are posted for the semester in which the student is a candidate.

#### **GRADUATION WITH UNIVERSITY HONORS**

##### **(For undergraduate degrees only)**

A grade point average of 3.8 is the minimum for graduation Summa Cum Laude (with highest honors); a grade point average of 3.6 or higher but less than 3.8 will merit Magna Cum Laude (with high honors); an average of 3.4 or higher but less than 3.6 will merit graduation Cum Laude (with honors). Grade point averages are not rounded up to achieve these figures.

## UNDERGRADUATE DEGREES AND MAJORS OFFERED

### *Degree*

### *Major*

Bachelor of Applied Arts and Sciences

Bachelor of Arts

Bachelor of Business Administration

Bachelor of Science

Biology, Communications, English, History, Mathematics, Political Science, Psychology, Sociology

Accounting, Computer Information Systems, Finance, General Business Administration, International Business Management, Management, Marketing

Biology, Computer Science, Criminology, Interdisciplinary Studies, Kinesiology, Mathematics



# SCHOOL OF ARTS & SCIENCES

## Undergraduate Programs

**Mirley Balasubramanya, School Head and Department Chair of Natural Sciences and Mathematics**

**William S. Bush, Department Chair of Humanities and Social Sciences**

**Gloria Ramos-Cortes, Administrative Assistant**

**Main Campus Building, Room 212**

**(210)784-2201**

The School of Arts and Sciences is committed to the development of our students' academic and professional skills, preparation for post-baccalaureate education, and continued critical thinking after graduation. The curriculum builds on the foundational knowledge required for all academic degree programs at the University, emphasizing communication skills, analytical reasoning, and independent thought.

The School's faculty excels in teaching, scholarship, and service. The faculty and the curriculum engage student learning in a culturally diverse environment, serving the needs of traditional and non-traditional students in South Texas. In pursuit of our mission, the School challenges our students to apply their intellectual curiosity and skills in order to improve their communities.

### **Teaching Certification**

Students seeking a certificate to teach in the secondary schools of Texas must earn a bachelor's degree in a recognized major. The State Board for Educator Certification approved new teaching fields and grade levels for certification beginning in 1999. Majors in the School of Arts & Sciences that may lead to secondary certification include the following: Biology, English, History, History (Social Studies emphasis), and Mathematics.

For specific degree requirements, contact an academic advisor. For additional information, refer to the School of Education & Kinesiology section regarding the Standard Certificate in this catalog.

### **Requirements for the Degree**

All students obtaining a bachelor's degree must satisfy the "General Requirements for Graduation" as set forth in an earlier section of this catalog. This includes, among others, residence requirements, correspondence courses limitations and grade average rules.

Each program sets the minimum number of hours required for its major and for graduation. A minimum of 45 of the total number of hours must be on the advanced level. Individual degree programs are outlined below.

A minimum grade point average of 2.0 is required on (1) all course work specified for the degree, (2) all course work attempted at this university, (3) all courses in the major and the minor where required on work taken at this university and (4) all courses transferred for the minor when no courses in the minor field are taken at this university.

### **Foreign Language**

All Bachelor of Arts degrees must include 12 semester credit hours (12 SCH) of foreign language study.

### **Major**

A major shall consist of a minimum of 24 semester hours in one subject, 6 of which must be taken at this university. At least 50% of the work offered in the major field must be advanced. Electives in the major field are limited to 6 hours above the number of hours required for the degree. Double majors must complete the specific requirements for both fields.

### **Minors**

Students receiving a Bachelor of Arts or a Bachelor of Science degree (except for double majors and certain degrees with Teaching Certification) must have a recognized minor. Unless otherwise indicated, a minor consists of a minimum of 18 hours. Certain minors require more; see "Recognized Minors" below. Six hours in the minor field must be on the advanced level. See "Majors" above.

The following minors are available to Arts & Sciences majors: Biology, Business Administration, Computer Information Systems, Criminology, English, History, Communications, Kinesiology, Mathematics, Political Science, Psychology, Sociology, and Spanish.

In addition, any set of courses which meets the minimum requirements indicated above for all minors, may be accepted as a minor, subject to approval by the academic division head and by the chair of the student's major department. An interdisciplinary or other specialized minor which meets the minimum requirements indicated above, may be recognized in individual cases, subject to approval by the student's major department, the academic division head and any department in which at least 9 hours of the proposed minor will be taken. The school head's office will circulate a list of minors that has been approved under either of these conditions.

Special conditions apply to the following:

- Biology: The minimum number required will be 24 semester hours or an amount corresponding to six 3 or 4 credit hour courses.
- Business Administration: The following courses are required: ACCT 2301, MGMT 3311, MKTG 3361 and nine additional hours to be chosen from any 3000 or 4000 level College of Business Administration courses for which the prerequisites have been met or instructor approval has been granted.
- Computer Information Systems: A minor consists of CISA 1301, CISA 3358, CISA 3354 and three approved advanced CISA courses.
- English: The minimum number shall be 18 semester hours beyond ENGL 1301-ENGL 1302, 12 of which must be advanced.
- History: The minimum requirement shall be 21 semester hours, consisting of HIST 1301-1302 and HIST 2321-2322, HIST 4301 and 6 hours of advanced electives.
- Mathematics: The minimum requirement shall be 18 hours to include Math 2413 (Calculus I), Math 2414 (Calculus II), and 9 additional hours of upper division math electives.



**Bachelor of Science in Biology**  
2012-2013 Degree Plan

GENERAL EDUCATION COURSES	44 Cr Hr	
	Grd	CrHr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>MATHEMATICS</i>		
<b>MATH 2312</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science</b> BIOL 1106/1306		1/3
<b>Natural Science</b> BIOL 1107/1307		1/3
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>		3
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 2335</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		3
Additional Requirements	27 Cr Hr	
	Grd	Cr Hr
<b>MATH 4303 or 4301</b>		3
<b>CHEM 1111/1311</b>		1/3
<b>CHEM 1112/1312</b>		1/3
<b>CHEM 3123/3323</b>		1/3
<b>CHEM 3125/3325</b>		1/3
<b>PHYS 1101/1301</b>		1/3
<b>PHYS 1102/1302</b>		1/3

120 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)

MAJOR (REQUIRED) COURSES	32 Cr Hr	
2.0 overall GPA for major	Grd	Cr Hr
<b>BIOL 2421</b> Microbiology or <b>BIOL 4406</b> Bacteriology		4
<b>BIOL 3301</b>		3
<b>BIOL 3402</b>		4
<b>BIOL 3408, 4411, or 4426</b>		4
<b>BIOL 3407</b>		4
<b>BIOL 4102</b>		1
<b>BIOL adv. elective</b>		4
<b>BIOL adv. elective</b>		4
<b>BIOL adv. elective</b>		4
MINOR	18-24 Cr Hr	
2.0 overall GPA	Grd	Cr Hr
<i>--6 Advanced Credit Hours Required</i>		
ELECTIVES	Cr Hr	
	Grd	Cr Hr

**Bachelor of Science in Biology  
With Teacher Certification  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>44 Cr Hr</b>	
	<b>Grd</b>	<b>CrHr</b>	
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>	
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>	
<i>MATHEMATICS</i>			
<b>MATH 2312</b> (PreCal)		<b>3</b>	
<i>NATURAL SCIENCE</i>			
<b>Natural Science</b> BIOL 1106/1306		<b>1/3</b>	
<b>Natural Science</b> BIOL 1107/1307		<b>1/3</b>	
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Visual/Performing Arts</b>		<b>3</b>	
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>	
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History		<b>3</b>	
<b>HIST 1302</b> American History		<b>3</b>	
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>	
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>	
<b>Social/Behavioral Science</b>		<b>3</b>	
<i>COMMUNICATION-ORAL</i>			
<b>COMS 1311, 1315, or 2335</b>		<b>3</b>	
<i>GLOBAL LEARNING</i>			
<b>Global Learning (EDUC 2301 or EDED 3380)</b>		<b>3</b>	
<b>Additional Requirements</b>		<b>23 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<b>STAT 1342</b>		<b>3</b>	
<b>CHEM 1111/1311</b>		<b>1/3</b>	
<b>CHEM 1112/1312</b>		<b>1/3</b>	
<b>CHEM 3123/3323</b>		<b>1/3</b>	
<b>PHYS 1101/1301</b>		<b>1/3</b>	
<b>PHYS 1102/1302</b>		<b>1/3</b>	

\*\*\*Requires Admission\*\*\*

Completion of 45 hours, ENGL 1301, ENGL 1302, MATH 1314, HIST 1301 and HIST 1302 all with a C or better. Cumulative GPA of 2.5, qualifying scores in Reading, Writing and Mathematics, and have an official degree plan on file.

**AT LEAST 124 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)**

<b>MAJOR (REQUIRED) COURSES</b>		<b>28 Cr Hr</b>	
<b>2.0 overall GPA for major</b>			
	<b>Grd</b>	<b>Cr Hr</b>	
<b>BIOL 3301</b>		<b>3</b>	
<b>BIOL 3402</b>		<b>4</b>	
<b>BIOL 3407</b>		<b>4</b>	
<b>BIOL 3408</b>		<b>4</b>	
<b>BIOL 4102</b>		<b>1</b>	
<b>BIOL</b> adv. elective		<b>4</b>	
<b>BIOL</b> adv. elective		<b>4</b>	
<b>BIOL</b> adv. elective		<b>4</b>	
<b>***CERTIFICATION***</b>		<b>29 Cr Hr</b>	
<b>2.5 overall GPA</b>			
	<b>Grd</b>	<b>Cr Hr</b>	
<b>EDUC 1301/EDED 3370</b> Intro to Teaching		<b>3</b>	
<b>EDED 3303</b> Development & Behavior		<b>3</b>	
<b>EDSE 3345</b> Survey of Exceptional Children		<b>3</b>	
<b>EDED 4311</b> Curriculum & Learning		<b>3</b>	
<b>EDED 3358</b> Classroom Management		<b>3</b>	
<b>EDED 4309</b> Trends in Education		<b>3</b>	
<b>EDED 4356</b> Science Methods- Middle /Secondary		<b>3</b>	
<b>EDFR 3110</b> Field Residency		<b>1</b>	
<b>EDFR 3120</b> Field Residency		<b>1</b>	
<b>EDFE 4623</b> Secondary School Student Teaching		<b>6</b>	
<b>ELECTIVES</b>		<b>Cr Hr</b>	
<b>--As needed to complete 124 credit hours required</b>			
	<b>Grd</b>	<b>Cr Hr</b>	

**Bachelor of Arts in Communication  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>42-44 Cr Hr</b>	
		<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b>	Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b>	Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>			
<b>MATH 1314 or 1334</b>			<b>3</b>
<i>NATURAL SCIENCE</i>			
<b>Natural Science w/lab experience</b>			<b>4</b>
<b>Natural Science w/lab experience</b>			<b>4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Visual/Performing Arts</b>			<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>			<b>3</b>
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301 American History</b>			<b>3</b>
<b>HIST 1302 American History</b>			<b>3</b>
<b>POLS 2301 Govt &amp; Politics of the U.S.</b>			<b>3</b>
<b>POLS 2302 Govt &amp; Politics of Texas</b>			<b>3</b>
<b>Social/Behavioral Science</b>			<b>3</b>
<i>COMMUNICATION-ORAL</i>			
<b>COMS 1311, 1315, or 2335</b>			<b>3</b>
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>			<b>3</b>
<b>Departmental Requirements</b>		<b>12 Cr Hr</b>	
Preferably one language, maximum of 2 languages		<b>Grd</b>	<b>Cr Hr</b>
<b>Foreign Language</b>			
<b>Foreign Language</b>			
<b>Foreign Language</b>			
<b>Foreign Language</b>			

120 CREDIT HOURS REQUIRED FOR DEGREE  
 45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
 (30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)

<b>MAJOR (REQUIRED) COURSES</b>		<b>36 Cr Hr</b>	
<b>2.0 overall GPA for major</b>			
		<b>Grd</b>	<b>Cr Hr</b>
<b>COMM 1307</b>			<b>3</b>
<b>COMM 2309</b>			<b>3</b>
<b>COMM 2311</b>			<b>3</b>
<b>COMM 3301</b>			<b>3</b>
<b>COMM 4317</b>			<b>3</b>
<b>COMJ 4322</b>			<b>3</b>
<b>COMM/COMJ Writing electives: Choose 2 (COMM 3308, COMJ 3302, COMJ 3304, &amp; COMJ 4302)</b>			<b>3</b>
<b>COMM/COMJ ADV. ELECTIVES</b>			<b>3</b>
<b>COMM/COMJ ADV. ELECTIVES</b>			<b>3</b>
<b>COMM/COMJ ADV. ELECTIVES</b>			<b>3</b>
<b>COMM/COMJ ADV. ELECTIVES</b>			<b>3</b>

<b>MINOR</b>		<b>18-24 Cr Hr</b>	
<b>2.0 overall GPA for minor</b>			
<b>--6 Advanced Credit Hours Required</b>			
		<b>Grd</b>	<b>Cr Hr</b>


<b>ELECTIVES</b>		<b>Cr Hr</b>	
<b>--As needed to complete 120 credit hours required</b>			
		<b>Grd</b>	<b>Cr Hr</b>







**Bachelor of Arts in English  
With Teacher Certification  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>	
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>	
<i>MATHEMATICS</i>			
<b>MATH 1314/1334</b>		<b>3</b>	
<i>NATURAL SCIENCE</i>			
<b>Natural Science w/ lab</b>		<b>4</b>	
<b>Natural Science w/ lab</b>		<b>4</b>	
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Visual/Performing Arts</b>		<b>3</b>	
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>	
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History		<b>3</b>	
<b>HIST 1302</b> American History		<b>3</b>	
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>	
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>	
<b>Social/Behavioral Science</b>		<b>3</b>	
<i>COMMUNICATION-ORAL</i>			
<b>COMS 1311, 1315, or 2335</b>		<b>3</b>	
<i>GLOBAL LEARNING</i>			
<b>Global Learning(EDUC 2301o or EDED 3380)</b>		<b>3</b>	
<b>Departmental Requirements</b>		<b>12 Cr Hr</b>	
Preferably one language, maximum of 2 languages	<b>Grd</b>	<b>Cr Hr</b>	
<b>Foreign Language</b>			
<b>Foreign Language</b>			
<b>Foreign Language</b>			
<b>Foreign Language</b>			

\*\*\*Requires Admission\*\*\*

Completion of 45 hours, ENGL 1301, ENGL 1302, MATH 1314, HIST 1301 and HIST 1302 all with a C or better. Cumulative GPA of 2.5, qualifying scores in Reading, Writing and Mathematics, and have an official degree plan on file.

**120 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)**

<b>MAJOR (REQUIRED) COURSES</b>		<b>30 Cr Hr</b>	
<b>2.0 overall GPA for major</b>			
	<b>Grd</b>	<b>Cr Hr</b>	
<b>ENGL 2342/2362</b>		<b>3</b>	
<b>ENGL 3300, 3350, 3360, 3365, or 3373</b>		<b>3</b>	
<b>ENGL 4361, 4365, 4366 (choose 2)</b>		<b>3</b>	
		<b>3</b>	
<b>ENGL 4322, 4325, 4327</b>		<b>3</b>	
<b>ENGL 4341, 4342, 4344, or 4346</b>		<b>3</b>	
<b>ENGL 4398 or 4312</b>		<b>3</b>	
<b>ENGL 4392</b>		<b>3</b>	
<b>ENGL 4331</b>		<b>3</b>	
<b>ENGL 4310, 4370, 4375, 4384, 4385, or 4395</b>		<b>3</b>	
<b>***CERTIFICATION***</b>		<b>29Cr Hr</b>	
<b>2.5 overall GPA</b>			
	<b>Grd</b>	<b>Cr Hr</b>	
<b>EDUC 1301/EDED 3370</b> Intro to Teaching		<b>3</b>	
<b>EDED 3303</b> Development & Behavior		<b>3</b>	
<b>EDSE 3345</b> Survey of Exceptional Children		<b>3</b>	
<b>EDED 4311</b> Curriculum & Learning		<b>3</b>	
<b>EDED 3358</b> Classroom Management (FB)		<b>3</b>	
<b>EDED 4309</b> Trends in Education		<b>3</b>	
<b>EDED 3357</b> English/LA Methods (FB)		<b>3</b>	
<b>EDFR 3110</b> Field Residency		<b>1</b>	
<b>EDFR 3120</b> Field Residency		<b>1</b>	
<b>EDFE 4623</b> Secondary School Student Teaching		<b>6</b>	
<b>ELECTIVES</b>		<b>Cr Hr</b>	
<i>--As needed to complete 120 credit hours required</i>			
	<b>Grd</b>	<b>Cr Hr</b>	



**Bachelor of Arts in History  
With History Teacher Certification  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>MATHEMATICS</i>		
<b>MATH 1314/1334</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		4
<b>Natural Science w/lab experience</b>		4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>		3
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 2335</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning(EDUC2301 or EDED 3380)</b>		3
<b>Departmental Requirements</b> 18 Cr Hr		
Preferably one language, maximum of 2 languages	Grd	Cr Hr
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>HIST 2321</b> World Civ I		3
<b>HIST 2322</b> World Civ II		3

\*\*\*Requires Admission\*\*\*

Completion of 45 hours, ENGL 1301, ENGL 1302, MATH 1314, HIST 1301 and HIST 1302 all with a C or better. Cumulative GPA of 2.5, qualifying scores in Reading, Writing and Mathematics, and have an official degree plan on file.

**120 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)**

MAJOR (REQUIRED) COURSES	24 Cr Hr	
<b>2.0 overall GPA for major</b>		
	Grd	Cr Hr
<b>HIST 4346</b> Texas History		3
<b>HIST 4334</b> Civil War		3
<b>HIST 4330/4331</b> (choose 1)		3
<b>HIST 4335/4336/4338</b> U.S. Adv (choose 1)		3
<b>HIST</b> Latin American Adv. Elective		3
<b>HIST</b> European Adv. Elective		3
<b>HIST 4370, 4380, 4390, 4392</b> Crucial Topics		3
<b>HIST 4301</b> Methods of Historical Research		3
<b>***CERTIFICATION***</b> 29 Cr Hr		
<b>2.5 overall GPA</b>		
	Grd	Cr Hr
<b>EDUC 1301/EDED 3370</b> Into to Teaching		3
<b>EDED 3303</b> Development & Behavior		3
<b>EDSE 3345</b> Survey of Exceptional Children		3
<b>EDED 4311</b> Curriculum & Learning		3
<b>EDED 3333</b> Classroom Management		3
<b>EDED 4309</b> Trends in Education		3
<b>EDED 3359</b> Social Studies Methods		3
<b>EDFR 3110</b> Field Residency		1
<b>EDFR 3120</b> Field Residency		1
<b>EDFE 4623</b> Secondary School Student Teaching		6
<b>Electives</b>		
<i>--As needed to complete 120 credit hours required</i>		
	Grd	Cr Hr

**Bachelor of Arts in History  
With Social Studies Teacher Certification  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>MATHEMATICS</i>		
<b>MATH 1314/1334</b>		3
<i>NATURAL SCIENCE</i>		
<b>GEOG 1301/1101</b>		3/1
<b>GEOG 1302/1102</b>		3/1
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>ECON 2301</b> Principles of Econ I		3
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 2335</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning (EDUC 2301 OR EDED 3380)</b>		3
<b>Departmental Requirements</b> 18 Cr Hr		
Preferably one language, maximum of 2 languages	Grd	Cr Hr
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>HIST 2321</b> World Civ I		3
<b>HIST 2322</b> World Civ II		3

\*\*\*Requires Admission\*\*\*

Completion of 45 hours, ENGL 1301, ENGL 1302, MATH 1314, HIST 1301 and HIST 1302 all with a C or better. Cumulative GPA of 2.5, qualifying scores in Reading, Writing and Mathematics, and have an official degree plan on file.

125 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)

MAJOR (REQUIRED) COURSES	21 Cr Hr	
2.0 overall GPA for major		
	Grd	Cr Hr
<b>HIST 4346</b> Texas History		3
<b>HIST 4334</b> Civil War		3
<b>HIST 4330/4331</b>		3
<b>HIST 4335/4336/4338</b> U.S. Adv (choose 1)		3
<b>HIST</b> Latin American Adv. Elective		3
<b>HIST</b> European Adv. Elective		3
<b>HIST 4370, 4380, 4390, 4392</b> Crucial Topics		3
<b>SOCIAL STUDIES COMPOSITE</b> 15 Cr Hr		
	Grd	Cr Hr
<b>ECON 2302</b> Principles of Econ II		3
<b>GEOG 1303</b> World Geography		3
<b>GEOG 3331</b> United States and Canada		3
<b>POLS AD. ELECTIVE</b>		3
<b>POLS AD. ELECTIVE</b>		3
<b>***CERTIFICATION***</b> 29 Cr Hr		
2.5 overall GPA		
	Grd	Cr Hr
<b>EDUC 1301/EDED 3370</b> Intro. To Teach		3
<b>EDED 3303</b> Development & Behavior		3
<b>EDSE 3345</b> Survey of Exceptional Children		3
<b>EDED 4311</b> Curriculum & Learning		3
<b>EDED 3333</b> Classroom Management		3
<b>EDED 4309</b> Trends in Education		3
<b>EDED 3359</b> Social Studies Methods		3
<b>EDFR 3110</b> Field Residency		1
<b>EDFR 3120</b> Field Residency		1
<b>EDFE 4623</b> Secondary School Student Teaching		6



**Bachelor of Science in Mathematics**  
**2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 2312</b> Precalculus		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>4</b>
<b>Natural Science w/lab experience</b>		<b>4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<b>Social/Behavioral Science</b>		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 2335</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<b>Departmental Requirements</b>	<b>3 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>COSC 1315</b> Fundamental of Programming		<b>3</b>

120 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)

<b>MAJOR (REQUIRED) COURSES</b>	<b>39 Cr Hr</b>	
<b>2.0 overall GPA for major</b>		
<i>18 hours must be advanced</i>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 2413</b> Calculus I		<b>4</b>
<b>MATH 2414</b> Calculus II		<b>4</b>
<b>MATH 3415</b> Calculus III		<b>4</b>
<b>MATH 3320</b> Differential Equations		<b>3</b>
<b>MATH 3325</b> Mathematical Proofs		<b>3</b>
<b>MATH 3370</b> Discrete Mathematics		<b>3</b>
<b>MATH 4321</b> Real Variables		<b>3</b>
<b>MATH 3340/4341</b> Linear Algebra		<b>3</b>
<b>MATH 4303</b> Statistical Methods		<b>3</b>
<b>MATH 4340</b> Modern Algebra		<b>3</b>
<b>MATH, adv.</b>		<b>3</b>
<b>MATH, adv.</b>		<b>3</b>
<b>MINOR</b>	<b>18-24 Cr Hr</b>	
<b>(Natural Science or Computer Science)</b>		
<b>2.0 overall GPA for minor</b>		
<i>--6 Advanced Credit Hours Required</i>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>ELECTIVES</b>	<b>Cr Hr</b>	
<i>--As needed to complete 120 credit hours required</i>		
	<b>Grd</b>	<b>Cr Hr</b>

**Bachelor of Science in Mathematics  
With Teacher Certification  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>MATHEMATICS</i>		
<b>MATH 2312</b> Precalculus		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		4
<b>Natural Science w/lab experience</b>		4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>		3
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 2335</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning (EDUC 2301 or EDED 3380)</b>		3
<b>Departmental Requirements</b>		
	3 Cr Hr	
	Grd	Cr Hr
<b>COSC 1315</b> Fundamental of Programming		3

\*\*\*Requires Admission\*\*\*

Completion of 45 hours, ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDED 1301 and EDED 2301, all with a C or better. Cumulative GPA of 2.5, qualifying scores in Reading, Writing and Mathematics, and have an official degree plan on file.

120 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)

MAJOR (REQUIRED) COURSES	39 Cr Hr	
<b>2.0 overall GPA for major</b>		
<i>18 hours must be advanced</i>		
	Grd	Cr Hr
<b>MATH 2413</b> Calculus I		4
<b>MATH 2414</b> Calculus II		4
<b>MATH 3415</b> Calculus III		4
<b>MATH 3320</b> Differential Equations		3
<b>MATH 3325</b> Mathematical Proofs		3
<b>MATH 3370</b> Discrete Mathematics		3
<b>MATH 4321</b> Real Variables		3
<b>MATH 3340/4341</b> Linear Algebra		3
<b>MATH 4303</b> Statistical Methods		3
<b>MATH 4340</b> Modern Algebra		3
<b>MATH 3360</b> Modern Geometry		3
<b>MATH 4350</b> Probability		3
<b>****CERTIFICATION****</b>		29 Cr Hr
<b>“C” or better in courses below</b>		
<i>--6 Advanced Credit Hours Required</i>		
	Grd	Cr Hr
<b>EDUC 1301/EDED 3370</b> Into to Teach		3
<b>EDED 3303</b> Development & Behavior		3
<b>EDSE 3345</b> Survey of Exceptional Children		3
<b>EDED 4311</b> Curriculum & Learning		3
<b>EDED 3333</b> Classroom Management		3
<b>EDED 4309</b> Trends in Education		3
<b>EDED 4357</b> Math Methods-Middle & Secondary		3
<b>EDFE 3110</b> Field Residency		1
<b>EDFE 3120</b> Field Residency		1
<b>EDFE 4623</b> Secondary School Student Teaching		6
<b>ELECTIVES</b>		Cr Hr
<i>--As needed to complete 120 credit hours required</i>		
	Grd	Cr Hr

**Bachelor of Arts in Political Science  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1334</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>4</b>
<b>Natural Science w/lab experience</b>		<b>4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<b>ECON 2301</b>		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 2335</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning (<i>Recommended: GEOG 1303</i>)</b>		<b>3</b>
<b>Departmental Requirements</b>		
Preferably one language, maximum of 2 languages	<b>21 Cr</b>	<b>Hr</b>
	Grd	Cr Hr
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>MATH 1442 or GEOG 1303</b>		<b>3</b>
<b>ECON 2302 or POLS adv. elective</b>		<b>3</b>
<b>PSYC/SOCI 3381 or BUAD 3355</b>		<b>3</b>

120 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)

MAJOR (REQUIRED) COURSES	27 Cr Hr	
<b>2.0 overall GPA for major</b>		
<b>--See Advising Memo re: Pre-approved Tracks, POLS Minor Requirements, and Approved Course Substitutions</b>		
	Grd	Cr Hr
<b>POLS 3301</b> Introduction to Political Science		<b>3</b>
<b>POLS 3302</b> Political Research & Analysis		<b>3</b>
<b>POLS 3310</b> American Political Institutions		<b>3</b>
<b>POLS 3321 or POLS 3322</b> Political Theory		<b>3</b>
<b>POLS 3341 or POLS 4344</b> IR/ World Politics		<b>3</b>
<b>POLS 3351</b> Comparative Politics		<b>3</b>
<b>POLS 4000 elective or Pre-approved track cr</b>		<b>3</b>
<b>POLS 4000 elective or Pre-approved track cr</b>		<b>3</b>
<b>POLS 4000 elective or Pre-approved track cr</b>		<b>3</b>

MINOR	18-24 Cr Hr	
<b>2.0 overall GPA for minor</b>		
<b>--6 Advanced Credit Hours Required</b>		
	Grd	Cr Hr

MAJOR (REQUIRED) COURSE	9 Cr Hr	
<b>ELECTIVES MAY TAKE ONE (1) OF FOUR (4) FORMS:</b>		
<b>Option 1: General Track</b>	Grd	Cr Hr
<b>POLS adv. elective.</b>		<b>3</b>
<b>POLS adv. elective.</b>		<b>3</b>
<b>POLS adv. elective.</b>		<b>3</b>
<b>Option 2: Pre-Law</b>		
<b>POLS 4331 – Con Law I</b>		<b>3</b>
<b>POLS 4332 – Con Law II</b>		<b>3</b>
<b>POLS 4333 – American Judicial Process</b>		<b>3</b>
<b>Option 3: Public Administration / Policy</b>		
<b>POLS 4361 – Public Administration</b>		<b>3</b>
<b>POLS 4363 – Policy and Policy-Making</b>		<b>3</b>
<b>POLS 4315 – Urban Politics</b>		<b>3</b>
<b>Option 4: International Studies</b>		
<b>POLS 4317 – Nuclear Proliferation and U.S.</b>		<b>3</b>
<b>POLS 4342 – International Organizations</b>		<b>3</b>
<b>POLS 4343 – International Law</b>		<b>3</b>

**Note:** The above pre-formulated tracks are suggestions intended to help guide students in the selection of courses that will best meet their career objectives. Students are not obligated to follow a track entirely and are not required to commit to a particular track once started.



**Bachelor of Arts in Psychology  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<b>COMMUNICATION-ENGLISH</b>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<b>MATHEMATICS</b>		
<b>MATH 1314 or 1334</b>		3
<b>NATURAL SCIENCE</b>		
<b>Natural Science w/lab experience</b>		4
<b>Natural Science w/lab experience</b>		4
<b>HUMANITIES/VISUAL &amp; PERF ARTS</b>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<b>SOCIAL &amp; BEHAVIORAL SCIENCES</b>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science (PSYC 2301)</b>		0
<b>COMMUNICATION-ORAL</b>		
<b>COMS 1311, 1315, or 2335</b>		3
<b>GLOBAL LEARNING</b>		
<b>Global Learning</b>		3
<b>Departmental Requirements</b>		15 Cr Hr
Preferably one language, maximum of 2 languages	Grd	Cr Hr
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>Foreign Language</b>		
<b>ENGL 3300 or 4312</b>		3

MAJOR (REQUIRED) COURSES	31 Cr Hr	
2.0 overall GPA for major		
<b>24 hours must be advanced</b>		
	Grade	Cr Hr
<b>PSYC 2301</b> Intro to Psychology		3
<b>PSYC Elective (any level)</b>		3
<b>PSYC 3381</b> Statistics		3
<b>PSYC 3488</b> Research Methods/Lab (formerly called <i>Experimental</i> )		4
<b>PSYC 4325</b> Abnormal		3
<b>PSYC 4327</b> Lifespan Development		3
<b>PSYC 4310, 4312, 4328 (choose 1)</b> Cognitive, Physiological, Perception		3
<b>PSYC 3301, 4302, 3324 (choose 1)</b> Social, Industrial Organizational, Cross-Cultural		3
<b>PSYC Advanced Elective</b>		3
<b>PSYC 4323</b> History and Systems**		3
MINOR		18-24 Cr Hr
2.0 overall GPA for minor		
<b>--6 Advanced Credit Hours Required</b>		
	Grade	Cr Hr
ELECTIVES		Cr Hr
<b>--As needed to complete 120 credit hours required</b>		
	Grade	Cr Hr

120 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)

\*\*Class must be taken in last semester



## **BACHELOR OF APPLIED ARTS AND SCIENCES (BAAS Program)**

The purpose of the Bachelor of Applied Arts and Sciences (B.A.A.S.) is to offer students with formal training in a vocational-technical studies area the opportunity to obtain a baccalaureate degree without the significant loss of credits that normally occurs in pursuing a traditional degree. This program is especially appropriate for graduates of an Associate of Applied Science program. The degree is designed to afford both academic and professional depth to individuals who possess recognized competence in an occupational or technical field. It is designed to offer flexibility that will permit tailoring the program to the student's background and educational objectives.

### **BAAS Degree Requirements**

The student must complete a baccalaureate degree plan (120 semester hours minimum) consisting of 36 hours in residence and transfer credit which includes the following:

- A. **General Education, Prerequisites and Electives** (42 to 66 semester hours): This component is made up of freshman and sophomore-level courses which meet each of the criteria identified by the university as important aspects of a general education listed in the General Education Requirements.
- B. **Area of Specialization** (18-42 semester hours): Credits toward the area of specialization may be earned from junior or community colleges, vocational or technical schools, armed forces schools whose work can be equated to vocational/technical schools and in certain cases work experience (maximum six semester hours). Please see your academic advisor for more information regarding counting work experience.
- C. **Professional Development** (36 semester hours): The courses taken in this area are to be chosen to provide academic depth and breadth to the area of specialization and, in addition, afford substantive developmental knowledge in the student's professional career goals. The component focuses on areas of learning directly related to upward mobility and further extends a student's knowledge, skill and expertise. The professional development sequence of 36 semester hours will be selected from Business, Criminology, Early Childhood Education(non-certification), Information Technology, Interdisciplinary Studies (non-certification), Psychology, Social Sciences, or Sociology. The professional sequence will be tailored to each student's needs.

Candidates for the BAAS degree must complete a minimum of 36 hours in residence.

Students who choose the business emphasis of the BAAS degree must meet the same lower-division (field of study) course requirements as students pursuing the BBA degree.



**Bachelor of Applied Arts and Sciences  
Business Information Technology Concentration  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>			<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>		
<b>COMMUNICATION-ENGLISH</b>				
<b>ENGL 1301</b> Rhetoric and Composition			<b>3</b>	
<b>ENGL 1302</b> Continuation of Rhetoric & Comp			<b>3</b>	
<b>MATHEMATICS</b>				
<b>MATH 1442</b> (recommended)			<b>4</b>	
<b>NATURAL SCIENCE</b>				
<b>Natural Science w/lab experience</b>			<b>4</b>	
<b>Natural Science w/lab experience</b>			<b>4</b>	
<b>HUMANITIES/VISUAL &amp; PERF ARTS</b>				
<b>Visual/Performing Arts</b>			<b>3</b>	
<b>Lit/Phil/Lang/Cult Studies</b>			<b>3</b>	
<b>SOCIAL &amp; BEHAVIORAL SCIENCES</b>				
<b>HIST 1301</b> American History			<b>3</b>	
<b>HIST 1302</b> American History			<b>3</b>	
<b>POLS 2301</b> Govt & Politics of the U.S.			<b>3</b>	
<b>POLS 2302</b> Govt & Politics of Texas			<b>3</b>	
<b>Social/Behavioral Science</b>			<b>3</b>	
<b>COMMUNICATION-ORAL</b>				
<b>COMS 1311, 1315, or 1321</b>			<b>3</b>	
<b>GLOBAL LEARNING</b>				
<b>Global Learning</b>			<b>3</b>	
<b>REQUIRED SUPPORT COURSES</b>			<b>7 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>		
<b>COSC 1315 OR ITSE 1329</b> Fund. Programming			<b>3</b>	
<b>MATH 1442</b> Elementary Statistical Methods			<b>4</b>	
<b>TECHNICAL/VOCATIONAL CREDITS</b>			<b>18-42 Cr Hr</b>	
<i>Enbloc credits</i>	<b>Grd</b>	<b>Cr Hr</b>		

<b>IT EMPHASIS AREA</b>			<b>36 Cr Hr</b>	
<i>All courses below must be taken at TAMUSA</i>				
	<b>Grd</b>	<b>Cr Hr</b>		
<b>BCOM 3304</b> Business Communication			<b>3</b>	
<b>CISA 3354/3364/4301/4302</b> Cobol/Visual Basic/Assembler/C++			<b>3</b>	
<b>CISA 3351</b> Database Design and SQL			<b>3</b>	
<b>CISA 3356</b> Systems Analysis			<b>3</b>	
<b>CISA 4306</b> Telecommunications			<b>3</b>	
<b>CISA 4321</b> Information Security			<b>3</b>	
<b>CISA 4358</b> Information Resource Management			<b>3</b>	
<b>ADV CISA</b>			<b>3</b>	
<b>ADV CISA</b>			<b>3</b>	
<b>ADV CISA</b>			<b>3</b>	
<b>ADV CISA</b>			<b>3</b>	
<b>ADV CISA or Business Elective</b>			<b>3</b>	
<b>ELECTIVES</b>				
			<b>0-15</b>	<b>Cr Hr</b>
<i>--As needed to complete 120 credit hours required</i>				
	<b>Grd</b>	<b>Cr Hr</b>		
<b>TOTALS</b>				
<i>Total General Education Hours (42-44)</i>				
<i>Support Courses (7)</i>				
<i>Enbloc credits (18-42)</i>				
<i>Total IT Emphasis Hours (36)</i>				
<i>Electives</i>				
<i>Total Semester hours:</i>				<b>120+</b>

120 CREDIT HOURS REQUIRED FOR DEGREE

**Bachelor of Applied Arts and Sciences  
Criminology Concentration  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>42-44 Cr Hr</b>	
		<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition			<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp			<b>3</b>
<i>MATHEMATICS</i>			
<b>MATH 1314 or 1334</b>			<b>3</b>
<i>NATURAL SCIENCE</i>			
<b>Natural Science w/lab experience</b>			<b>4</b>
<b>Natural Science w/lab experience</b>			<b>4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Visual/Performing Arts</b>			<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>			<b>3</b>
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History			<b>3</b>
<b>HIST 1302</b> American History			<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.			<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas			<b>3</b>
<b>Social/Behavioral Science: Soci 1301</b>			<b>3</b>
<i>COMMUNICATION-ORAL</i>			
<b>COMS 1311, 1315, or 2335</b>			<b>3</b>
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>			<b>3</b>
<b>TECHNICAL/VOCATIONAL CREDITS</b>		<b>18-42 Cr Hr</b>	
<i>Enbloc credits</i>		<b>Grd</b>	<b>Cr Hr</b>

<b>CRIMINOLOGY EMPHASIS AREA</b>		<b>36 Cr Hr</b>	
<i>All courses below must be taken at TAMUSA</i>			
		<b>Grd</b>	<b>Cr Hr</b>
<b>CRIM 3350</b> Crime and Justice Policy			<b>3</b>
<b>CRIM 4382</b> Methods of Social Research			<b>3</b>
<b>CRIM 4321</b> Criminological Theory			<b>3</b>
<b>PSY/SOC 3381 Statistics</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>CRIM, ADV.</b>			<b>3</b>
<b>ELECTIVES</b>		<b>0-15 Cr Hr</b>	
<i>--As needed to complete 120 credit hours required</i>			
		<b>Grd</b>	<b>Cr Hr</b>
<b>PSYC 2301 (required)</b>			<b>3</b>
<b>TOTALS</b>			
<i>Total General Education Hours (42-44)</i>			
<i>Enbloc Credits (18-42)</i>			
<i>Total Criminology Emphasis Hours (36)</i>			
<i>Electives</i>			
<b>Total Semester hours:</b>			<b>120+</b>

**120 CREDIT HOURS REQUIRED FOR DEGREE**

**Bachelor of Applied Arts and Sciences  
Early Childhood Education Concentration (Non-certification)  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition		3	
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3	
<i>COMMUNICATION-ORAL (11)</i>			
<b>SPCH 1311 or SPCH 1315</b>		3	
<i>MATHEMATICS</i>			
<b>MATH 1314</b> College Algebra		3	
<i>NATURAL SCIENCE</i>			
<b>Natural Science w/ or w/out lab</b>		3-4	
<b>Natural Science w/ or w/out lab</b>		3-4	
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Lit/Phil/Lang/Cultural Studies (40)</b>		3	
<b>Visual/Performing Arts (50)</b>		3	
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History (TX History preferred)		3	
<b>HIST 1302</b> American History		3	
<b>POLS 2301</b> Govt & Politics of the U.S.		3	
<b>POLS 2302</b> Govt & Politics of Texas		3	
<b>Social/Behavioral Science</b>		3	
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>		3	
<b>Technical/Vocational Credits</b>		<b>18-42 Cr Hr</b>	
<b>Enbloc Credits</b>	<b>Grd</b>	<b>Cr Hr</b>	

60-86 total hours

<b>Early Childhood Emphasis Area</b>		<b>36 Cr Hr</b>	
<i>15 Hours in Approved Electives (If needed)</i>			
<b>First Semester (15 Cr Hr)</b>		<b>Grd</b>	<b>Cr Hr</b>
<b>EDEC 3303</b> Child Development			3
<b>EDEC 3329</b> Dev Appropriate Curr			3
<b>EDBL 3311</b> Survey of Bilingual Education			3
<b>EDSE 3345</b> Survey of Exceptional Children			3
<b>Approved Elective</b>			3
<b>Second Semester (12 Cr Hr)</b>			
<b>EDSE 3347</b> Behavior Mangmt for Exc Ind			3
<b>EDEC 4314</b> Cognitive Development			3
<b>EDSE 3346</b> Dev of the Exceptional Ind			3
<b>Approved Elective</b>			3
<b>Third Semester (12 Cr Hr)</b>			
<b>EDEC 4315</b> Social/Emotional Dev			3
<b>EDEC 4316</b> Assessment of Young Children			3
<b>EDSE 4340</b> Collaboration & Transition Services in Inclusive Settings			3
<b>Approved Elective</b>			3
<b>Fourth Semester (12 Cr Hr)</b>			
<b>EDBL 4311</b> Second Language Acq and Lit Dev			3
<b>EDSE 4347</b> Federal & State Regs			3
<b>Approved Elective</b>			3
<b>Approved Elective</b>			3

[36-51 total hours]

Registration for EDED, EDEC, EDBL, EDGR, EDSE, EDFR courses requires Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

120+ CREDIT HOURS REQUIRED FOR DEGREE  
36 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(36 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)







**Bachelor of Applied Arts and Sciences  
Information Technology/Project Management Concentration  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-45 Cr Hr	
	Grd	Cr Hr
<b>COMMUNICATION-ENGLISH</b>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<b>MATHEMATICS</b>		
<b>MATH 1442</b> (recommended)		4
<b>NATURAL SCIENCE</b>		
<b>Natural Science w/lab experience</b>		3-4
<b>Natural Science w/lab experience</b>		3-4
<b>HUMANITIES/VISUAL &amp; PERF ARTS</b>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<b>SOCIAL &amp; BEHAVIORAL SCIENCES</b>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>		3
<b>COMMUNICATION-ORAL</b>		
<b>COMS 1311, 1315, or 1321</b>		3
<b>GLOBAL LEARNING</b>		
<b>Global Learning</b>		3
<b>REQUIRED SUPPORT COURSES</b>		
	7 Cr Hr	
	Grd	Cr Hr
<b>COSC 1315 OR ITSE 1329</b> Fund. Programming		3
<b>MATH 1442</b> Elementary Statistical Methods		4
<b>TECHNICAL/VOCATIONAL CREDITS</b>		
	18-42 Cr Hr	
<i>Enbloc credits</i>	Grd	Cr Hr

IT EMPHASIS AREA	36 Cr Hr	
<i>All courses below must be taken at TAMUSA</i>		
	Grd	Cr Hr
<b>BCOM 3304</b> Business Communication		3
<b>CISA 3354/3364/4301/4302</b> Cobol/Visual Basic/Assembler/C++		3
<b>CISA 3351</b> Database Design and SQL		3
<b>CISA 3356</b> Systems Analysis		3
<b>CISA 4306</b> Telecommunications		3
<b>CISA 4321</b> Information Security		3
<b>CISA 4358</b> Information Resource Management		3
<b>Project Management Electives</b>		
<b>CISA/MGMT 4311</b> Project Management		3
<b>CISA/MGMT 4312</b> Risk Management		3
<b>MGMT 4323</b> Total Quality & Lean Management		3
<b>MGMT 4324</b> Organizational Leadership		3
<b>ADV CISA</b>		3
<b>ELECTIVES</b>		
		0-15 Cr Hr
<i>--As needed to complete 120 credit hours required</i>		
	Grd	Cr Hr
<b>TOTALS</b>		
<i>Total General Education Hours (42-45)</i>		
<i>Support Courses (7)</i>		
<i>Enbloc credits (18-42)</i>		
<i>Total Business Emphasis Hours (36)</i>		
<i>Electives</i>		
<i>Total Semester hours:</i>		<b>120+</b>

**120 CREDIT HOURS REQUIRED FOR DEGREE**

**Bachelor of Applied Arts and Sciences  
Interdisciplinary Studies Concentration (Non-certification)  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>COMMUNICATION-ORAL (11)</i>		
<b>SPCH 1311 or SPCH 1315</b>		3
<i>MATHEMATICS</i>		
<b>MATH 1314</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/ or w/out lab</b>		3-4
<b>Natural Science w/ or w/out lab</b>		3-4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Lit/Phil/Lang/Cultural Studies (40)</b>		3
<b>Visual/Performing Arts (50)</b>		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History (TX History preferred)		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		3
<b>Technical/Vocational Credits</b>		
<b>Enbloc Credits</b>	<b>Grd</b>	<b>Cr Hr</b>

60-86 total hours

Registration for EDED, EDEC, EDBL, EDRG, EDSE, EDFR courses requires completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

INTERDISCIPLINARY Emphasis Area	36Cr Hr	
<i>36 Advanced Hours At TAMU-SA Based on Your Interest- choose 3 of the 4 options below</i>		
<b>Option 1: EC, SPED, Bilingual- choose 4</b>	Grd	Cr Hr
<b>EDEC 3303</b> Child Development		3
<b>EDEC 4314</b> Cognitive Development		3
<b>EDEC 4315</b> Social/Emotional Dev		3
<b>EDSE 3345</b> Survey of Exceptional Children		3
<b>EDEC 4316</b> Assessment of Young Children		3
<b>EDBL 3315</b> Second Lang Acq/Lit. dev for ELL		3
<b>EDRG 3314</b> Foundations for Early Literacy		3
<b>EDBL 3320</b> Test and Measurement in Bil/ESL		3
<b>EDBL 3311</b> Survey of Bilingual Education		3
<b>Option 2: Health and Wellness- Select 4 Courses</b>		
<b>EDHL 3331</b> Consumer Health		3
<b>EDHL 3345</b> Drug Education		3
<b>EDKN 4334</b> Exercise & Chronic Disease/Disab.		3
<b>EDHL 3383</b> Women's Health		3
<b>EDHL 4342</b> Program Planning for Hlth Promotion		3
<b>EDKN 3320</b> EC Motor Dev/Motor Learning		3
<b>Option 3: Business Management- Select 4 Courses</b>		
<b>CISA 3358</b> Management Information Systems		3
<b>MGMT 3311</b> Principles of Management		3
<b>MKTG 3361</b> Principles of Marketing		3
<b>BCOM 3304</b> Business Communication		3
<b>ACCT 3301</b> Accounting for Non-Accountants		3
<b>BLAW 3341</b> Business Law		3
<b>Option 4: Psychology &amp; General Ed-Select 4 Courses</b>		
<b>PSYC 3301</b> Social Psychology		3
<b>PSYC 3303</b> Psyc of Personal Adjustment		3
<b>PSYC 3314</b> Psyc of Adolescence		3
<b>PSYC 4304</b> Family Therapy		3
<b>SOCI 4307</b> The Family and Marriage		3

**[36 total hours]**

120+ CREDIT HOURS REQUIRED FOR DEGREE  
36 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(36 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

**Bachelor of Applied Arts and Sciences  
Psychology Concentration  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grade</b>	<b>Cr Hr</b>
<b>COMMUNICATION-ENGLISH</b>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<b>MATHEMATICS</b>		
<b>MATH 1314 or 1334</b>		<b>3</b>
<b>NATURAL SCIENCE</b>		
<b>Natural Science w/lab experience</b>		<b>4</b>
<b>Natural Science w/lab experience</b>		<b>4</b>
<b>HUMANITIES/VISUAL &amp; PERF ARTS</b>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<b>SOCIAL &amp; BEHAVIORAL SCIENCES</b>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<b>Social/Behavioral Science: PSYC 2301</b>		<b>3</b>
<b>COMMUNICATION-ORAL</b>		
<b>COMS 1311, 1315, or 2335</b>		<b>3</b>
<b>GLOBAL LEARNING</b>		
<b>Global Learning</b>		<b>3</b>
<b>TECHNICAL/VOCATIONAL CREDITS</b>		
<i>Enbloc credits</i>	<b>Grade</b>	<b>Cr Hr</b>

120 CREDIT HOURS REQUIRED FOR DEGREE

<b>PSYCHOLOGY EMPHASIS AREA</b>	<b>37 Cr Hr</b>	
<i>All courses below must be taken at TAMUSA</i>		
	<b>Grade</b>	<b>Cr Hr</b>
<b>PSYC 3381 Statistics</b>		<b>3</b>
<b>PSYC 3488 Research Methods/Lab</b> <i>(formerly called Experimental)</i>		<b>4</b>
<b>PSYC 4325 Abnormal</b>		<b>3</b>
<b>PSYC 4327 Lifespan Development</b>		<b>3</b>
<b>PSYC 4310, 4312, 4328 (choose 1)</b> Cognitive, Physiological, Perception		<b>3</b>
<b>PSYC 3301, 4302, 3324 (choose 1)</b> Social, Industrial Organizational, Cross-Cultural		<b>3</b>
<b>PSYC 4323 History and Systems**</b>		<b>3</b>
<b>PSYC, Adv.</b>		<b>3</b>
<b>PSYC, Adv.</b>		<b>3</b>
<b>PSYC, Adv.</b>		<b>3</b>
<b>PSYC, Adv.</b>		<b>3</b>
<b>PSYC, Adv.</b>		<b>3</b>
<b>ELECTIVES</b>		<b>0-15 Cr Hr</b>
<i>--As needed to complete 120 credit hours required</i>		
	<b>Grade</b>	<b>Cr Hr</b>
<b>TOTALS</b>		
<b>Total General Education Hours (42-44)</b>		
<b>Total Enbloc credits (18-42)</b>		
<b>Total Psychology Emphasis Hours (37)</b>		
<b>Electives</b>		
<b>Total Semester hours:</b>		<b>120+</b>

\*\*Class must be taken in last semester



**Bachelor of Applied Arts and Sciences  
Sociology Concentration  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		42-44 Cr Hr	
		Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition			<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp			<b>3</b>
<i>MATHEMATICS</i>			
<b>MATH 1314 or 1334</b>			<b>3</b>
<i>NATURAL SCIENCE</i>			
Natural Science w/lab experience			<b>4</b>
Natural Science w/lab experience			<b>4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
Visual/Performing Arts			<b>3</b>
Lit/Phil/Lang/Cult Studies			<b>3</b>
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History			<b>3</b>
<b>HIST 1302</b> American History			<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.			<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas			<b>3</b>
<b>Social/Behavioral Science: Soci 1301</b>			<b>3</b>
<i>COMMUNICATION-ORAL</i>			
<b>COMS 1311, 1315, or 2335</b>			<b>3</b>
<i>GLOBAL LEARNING</i>			
Global Learning			<b>3</b>
<b>TECHNICAL/VOCATIONAL CREDITS</b>		<b>18-42 Cr Hr</b>	
<i>Enbloc credits</i>	<b>Grd</b>	<b>Cr Hr</b>	

**120 CREDIT HOURS REQUIRED FOR DEGREE**

<b>SOCIOLOGY EMPHASIS AREA</b>		36 Cr Hr	
<i>All courses below must be taken at TAMU-SA</i>			
		Grd	Cr Hr
<b>SOCI 3381</b> Statistics			<b>3</b>
<b>SOCI 4382</b> Methods of Social Research			<b>3</b>
<b>SOCI 4383</b> Social Theory			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>SOCI, ADV.</b>			<b>3</b>
<b>ELECTIVES</b>		<b>0-15</b>	<b>Cr Hr</b>
<i>--As needed to complete 120 credit hours required</i>			
<b>TOTALS</b>			
<i>Total General Education Hours (42-44)</i>			
<i>Total Enbloc Credits (18-42)</i>			
<i>Total Sociology Emphasis Hours (36)</i>			
<i>Electives</i>			
<b>Total Semester hours:</b>			<b>120+</b>

## SCHOOL OF BUSINESS

### Undergraduate Programs

**Dr. Tracy Hurley, *Head of the School of Business***

**Dr. Syed Harun, *Department Chair***

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**Brooks City Base, Bldg. 775, School of Business Suite, Rooms E180–E194**

**(210)784-2202**

#### **Mission Statement**

The mission of the School of Business at Texas A&M University-San Antonio is to prepare a diverse student population for professional-level, global business careers in a student-centered learning environment through the dynamic use of technology, development and application of practitioner-oriented research and a shared commitment to community involvement with local businesses and organizations.

#### **Academic Advising**

Each undergraduate business student is **strongly recommended** to meet with their academic advisor upon entering the university. Students should meet with their advisor on a regular basis to plan their program and to discuss any questions or concerns.

#### **Courses of Instruction**

There are four components of the Bachelor of Business Administration (B.B.A.) degree: (1) the university's general education component or core curriculum; (2) the lower-division business field of study courses; (3) the common professional component consisting of 3000 and 4000-level business courses required of all business majors; and (4) the courses specific to a major. The typical B.B.A. degree program consists of 120 hours.

#### **Business Prerequisites**

ACCT 2301, ACCT 2302, ECON 2301, ECON 2302, CISA 1301, MATH 1325 are prerequisites for all 3000 and 4000 level business administration courses. MGMT 4325 is required and must be taken at Texas A&M University-San Antonio during the final semester.

#### **Accounting Majors**

All Accounting majors must receive a grade of "C" or better in ACCT 3310 and ACCT 3311. If a student is found deficient in ACCT 3310 or ACCT 3311, the student must retake the course until the required minimum grade is achieved. Accounting majors may not proceed to upper-level accounting classes before these minimum course competencies are achieved.

#### **Requirements for the B.B.A. Degree**

##### **Communication Skills**

The college requires that all of its majors demonstrate proficient communication skills. Passing BCOM 3304 – Business Communication – with a grade of "C" would demonstrate a minimal level of proficiency. If a student is found deficient in communication in BCOM 3304, the student must retake the course until the required minimal grade is achieved.

##### **Grade Point Average for Graduation**

A minimum grade point average of 2.0 is required on: (1) all course work attempted including course work attempted at other universities, (2) all course work attempted at Texas A&M University-San Antonio, (3) all courses in business administration and (4) all courses in the professional field for each major.

##### **Upper and Lower Divisions within the School of Business**

Students in upper-level courses within the School of Business are expected to have a basic level of knowledge in specific disciplines in order to be able to successfully synthesize the information they are acquiring. That basic level of knowledge includes the ability to read and write effectively, to think quantitatively and to have a basic understanding of accounting and our economic system. To ensure the competence of students to complete the upper

division component successfully, students must take their lower-division courses in the required order and achieve the required minimum grades in those courses. **In order to register for the upper division business courses students must earn a grade of at least “C” in the following courses:**

ACCT 2301  
ACCT 2302  
CISA 1301

ECON 2301  
ECON 2302

**Additionally, students must have a 2.0 grade point average for the following group of courses:**

ENGL 1301  
ENGL 1302

MATH 1314/1324  
MATH 1325

Students who are completing their last semester of lower-division requirements may take up to 18 hours of upper-level business courses pending acceptance into the Upper Division. Those courses must be chosen from the following:

BLAW 3341  
BCOM 3304  
CISA 3358  
BUAD 3311

MKTG 3361  
MGMT 3311  
MGMT 3325

Special situations that may arise with respect to completion of the lower-division course work and sequencing of courses, such as students transferring from other majors within the university and students transferring from other institutions, may be handled on a case-by-case basis by the academic advisor, department chair, and school of business head.



**Bachelor of Business Administration  
Accounting  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		<b>3</b>
<b>Departmental Requirements</b>	<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		<b>3</b>
<b>ACCT 2301</b> Principles of Accounting I - Financial		<b>3</b>
<b>ACCT 2302</b> Principles of Accounting II - Managerial		<b>3</b>
<b>CISA 1301</b> Introduction to Computers		<b>3</b>
<b>ECON 2302</b> Principles of Microeconomics		<b>3</b>

<b>Business Core (Upper Level)</b>	<b>33 Cr Hr</b>	
<b>2.0 overall GPA for major</b>	<b>Grd</b>	<b>Cr Hr</b>
<b>ACCT 3310</b> Intermediate Accounting I		<b>3</b>
<b>BCOM 3304</b> Business Communications		<b>3</b>
<b>BLAW 3341</b> Business Law		<b>3</b>
<b>BUAD 3301</b> Quantitative Methods of Business		<b>3</b>
<b>BUAD 3355</b> Business Statistics		<b>3</b>
<b>CISA 3358</b> Management Information Systems		<b>3</b>
<b>FINC 3337</b> Business Finance		<b>3</b>
<b>MGMT 3311</b> Principles Of Management		<b>3</b>
<b>MGMT 3320</b> Supply Chain & Ops Mgmt		<b>3</b>
<b>MKTG 3361</b> Principles Of Marketing		<b>3</b>
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		<b>3</b>
<b>MAJOR Courses</b>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>ACCT 3311</b> Intermediate Acct II		<b>3</b>
<b>ACCT 3312</b> Intermediate Acct III		<b>3</b>
<b>ACCT 3314</b> Cost Managerial Acct		<b>3</b>
<b>ACCT 3305</b> Fundamentals of Federal Income Tax		<b>3</b>
<b>ACCT 4311</b> Auditing I		<b>3</b>
<b>ACCT 4314</b> Business Combinations		<b>3</b>
<b>ACCT Elective (Advanced)</b>		<b>3</b>
<b>Major Requirements</b>		
<b>ACCT 4307, 4317, OR CISA 3356</b>		<b>3</b>
<b>BLAW 4342</b> Business Law for Accountants		<b>3</b>
<b>ELECTIVES</b>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>Business Elective (Advanced)</b>		<b>3</b>
<b>Total Hours</b>		<b>120</b>

**120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

**\*\*Class taken in last semester\*\***

**Bachelor of Business Administration  
Computer Information Systems  
2012-2013 Degree Plan**

2012-1013 Degree Plan GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<b>COMMUNICATION-ENGLISH</b>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<b>MATHEMATICS</b>		
<b>MATH 1314 or 1324</b>		3
<b>NATURAL SCIENCE</b>		
<b>Natural Science w/lab experience</b>		3-4
<b>Natural Science w/lab experience</b>		3-4
<b>HUMANITIES/VISUAL &amp; PERF ARTS</b>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<b>History/Political Science</b>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>COMMUNICATION-ORAL</b>		
<b>COMS 1311, 1315, or 1321</b>		3
<b>GLOBAL LEARNING</b>		
<b>Global Learning</b>		3
<b>Social/Behavioral Science</b>		
<b>ECON 2301</b> Principles of Macroeconomics		3
<b>Departmental Requirements</b>	15 Cr Hr	
	Grd	Cr Hr
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		3
<b>ACCT 2301</b> Principles of Accounting I - Financial		3
<b>ACCT 2302</b> Principles of Accounting II - Managerial		3
<b>CISA 1301</b> Introduction to Computers (1310 Introduction to Programming Tools; <i>recommended</i> )		3
<b>ECON 2302</b> Principles of Microeconomics		3

120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

Business Core (Upper Level) 2.0 overall GPA for major	33 Cr Hr	
	Grd	Cr Hr
<b>ACCT 3301</b> Acct for non-Acct Majors		3
<b>BCOM 3304</b> Business Communications		3
<b>BLAW 3341</b> Business Law		3
<b>BUAD 3301</b> Quantitative Methods for Business		3
<b>BUAD 3355</b> Business Statistics		3
<b>CISA 3356</b> Systems Analysis and Design		3
<b>FINC 3337</b> Business Finance		3
<b>MGMT 3311</b> Principles of Management		3
<b>MGMT 3320</b> Supply Chain and Ops Mgmt		3
<b>MKTG 3361</b> Principles of Marketing		3
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		3
<b>Major Courses</b>		
	27 Cr Hr	
	Grd	Cr Hr
<b>CISA 3351</b> Database and Design and SQL		3
<b>CISA 1310, 3354, 3355, 4301, 4302, OR 4305</b> Programming Language		3
<b>CISA 1310, 3354, 3355, 4301, 4302, OR 4305</b> Programming Language		3
<b>CISA 4306</b> Telecommunications I		3
<b>CISA 4358</b> Information Resource		3
<b>CISA 4321</b> Information Security		3
<b>Major Requirements</b>		
<b>CISA Elective (Advanced)</b>		3
<b>CISA Elective (Advanced)</b>		3
<b>CISA Elective (Advanced)</b>		3
<b>ELECTIVES</b>		
	3 Cr Hr	
	Grd	Cr Hr
<b>BUSINESS Elective (Advanced)</b>		3
<b>Total Hours</b>		120

\*\*Class taken in last semester\*\*

**Bachelor of Business Administration  
Computer Information Systems  
Enterprise Resource Planning Systems Concentration  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		<b>3</b>
<b>Departmental Requirements</b>		<b>15 Cr Hr</b>
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		<b>3</b>
<b>ACCT 2301</b> Principles of Accounting I - Financial		<b>3</b>
<b>ACCT 2302</b> Principles of Accounting II - Managerial		<b>3</b>
<b>CISA 1301</b> Introduction to Computers (1310 Introduction to Programming Tools; <i>recommended</i> )		<b>3</b>
<b>ECON 2302</b> Principles of Microeconomics		<b>3</b>

<b>Business Core (Upper Level) 2.0 overall GPA for major</b>	<b>33 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>ACCT 3301</b> Acct for non-Acct Majors		<b>3</b>
<b>BCOM 3304</b> Business Communications		<b>3</b>
<b>BLAW 3341</b> Business Law		<b>3</b>
<b>BUAD 3301</b> Quantitative Methods for Business		<b>3</b>
<b>BUAD 3355</b> Business Statistics		<b>3</b>
<b>CISA 3356</b> Systems Analysis and Design		<b>3</b>
<b>FINC 3337</b> Business Finance		<b>3</b>
<b>MGMT 3311</b> Principles of Management		<b>3</b>
<b>MGMT 3320</b> Supply Chain and Ops MGMT		<b>3</b>
<b>MKTG 3361</b> Principles of Marketing		<b>3</b>
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		<b>3</b>
<b>Major Courses</b>		<b>30 Cr Hr</b>
	<b>Grd</b>	<b>Cr Hr</b>
<b>CISA 3351</b> Database Design and SQL		<b>3</b>
<b>CISA 1310, 3354, 3355, 4301, 4302, OR 4305</b> Programming Language		<b>3</b>
<b>CISA 1310, 3354, 3355, 4301, 4302, OR 4305</b> Programming Language		<b>3</b>
<b>CISA 4306</b> Telecommunications I		<b>3</b>
<b>CISA 4358</b> Information Resource Mgmt		<b>3</b>
<b>CISA 4321</b> Information Security		<b>3</b>
<b>Concentration Requirements</b>		
<b>ACCT 4317 OR CISA 4331</b> (AIS or ERP)		<b>3</b>
<b>CISA 4334</b> Business Process Integration		<b>3</b>
<b>CISA Elective (4311, 4332 or 4333)</b>		<b>3</b>
<b>CISA Elective (4311, 4332 or 4333)</b>		<b>3</b>
4311: Project Mgmt 4332: Business Intelligence/Data 4333: Supply Chain Integration		
<b>Total Hours</b>		<b>120</b>

**120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

**\*\*Class taken in last semester\*\***

**Bachelor of Business Administration  
Computer Information Systems  
Information Assurance and Security Concentration  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		3-4
<b>Natural Science w/lab experience</b>		3-4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		3
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		3
<b>Departmental Requirements</b>	15 Cr Hr	
	Grd	Cr Hr
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		3
<b>ACCT 2301</b> Principles of Accounting I - Financial		3
<b>ACCT 2302</b> Principles of Accounting II - Managerial		3
<b>CISA 1301</b> Introduction to Computers (1310 Introduction to Programming Tools; <i>recommended</i> )		3
<b>ECON 2302</b> Principles of Microeconomics		3

**120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 HOURS FROM TAMUSA FOR RESIDENCY)**

Business Core (Upper Level) 2.0 overall GPA for major	33Cr Hr	
	Grd	Cr Hr
<b>ACCT 3301</b> Acct for non-Acct Majors		3
<b>BCOM 3304</b> Business Communications		3
<b>BLAW 3341</b> Business Law		3
<b>BUAD 3301</b> Quantitative Methods for Business		3
<b>BUAD 3355</b> Business Statistics		3
<b>CISA 3356</b> Systems Analysis and Design		3
<b>FINC 3337</b> Business Finance		3
<b>MGMT 3311</b> Principles of Management		3
<b>MGMT 3320</b> Supply Chain and Ops Mgmt		3
<b>MKTG 3361</b> Principles of Marketing		3
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		3
<b>Major Courses</b>		
	30 Cr Hr	
	Grd	Cr Hr
<b>CISA 3351</b> Database and Design and SQL		3
<b>CISA 1310, 3354, 3355, 4301, 4302, OR 4305</b> Programming Language		3
<b>CISA 1310, 3354, 3355, 4301, 4302, OR 4305</b> Programming Language		3
<b>CISA 4306</b> Telecommunications I		3
<b>CISA 4358</b> Information Resource Mgmt		3
<b>CISA 4321</b> Information Security		3
<b>Concentration Requirements</b>		
<b>CISA 4308,4311,4322,4323, OR 4324</b>		3
<b>CISA 4308,4311,4322,4323, OR 4324</b>		3
<b>CISA 4308,4311,4322,4323, OR 4324</b>		3
<b>CISA 4325</b> Network Security 4308: Telecommunications II, 4311: Project Mgmt 4322: Information Policy Assurance, 4323: Computer Forensics or 4324: Security Risk Analysis		3
<b>Total Hours</b>		<b>120</b>

**\*\*Class taken in last semester\*\***

**Bachelor of Business Administration  
Computer Information Systems  
Project Management Concentration  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		<b>3</b>
<b>Departmental Requirements</b>		
	<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		<b>3</b>
<b>ACCT 2301</b> Principles of Accounting I - Financial		<b>3</b>
<b>ACCT 2302</b> Principles of Accounting II - Managerial		<b>3</b>
<b>CISA 1301</b> Introduction to Computers (1310 Introduction to Programming Tools; <i>recommended</i> )		<b>3</b>
<b>ECON 2302</b> Principles of Microeconomics		<b>3</b>

<b>Business Core (Upper Level)</b>	<b>33 Cr Hr</b>	
<b>2.0 overall GPA for major</b>	<b>Grd</b>	<b>Cr Hr</b>
<b>ACCT 3301</b> Acct for non-Acct Majors		<b>3</b>
<b>BCOM 3304</b> Business Communications		<b>3</b>
<b>BLAW 3341</b> Business Law		<b>3</b>
<b>BUAD 3301</b> Quantitative Methods for Business		<b>3</b>
<b>BUAD 3355</b> Business Statistics		<b>3</b>
<b>CISA 3356</b> Systems Analysis and Design		<b>3</b>
<b>FINC 3337</b> Business Finance		<b>3</b>
<b>MGMT 3311</b> Principles of Management		<b>3</b>
<b>MGMT 3320</b> Supply Chain and Ops Mgmt		<b>3</b>
<b>MKTG 3361</b> Principles of Marketing		<b>3</b>
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		<b>3</b>
<b>Major Courses</b>		
	<b>30 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>CISA 3351</b> Database and Design and SQL		<b>3</b>
<b>CISA 1310, 3354, 3355, 4301, 4302, OR 4305</b> Programming Language		<b>3</b>
<b>CISA 1310, 3354, 3355, 4301, 4302, OR 4305</b> Programming Language		<b>3</b>
<b>CISA 4306</b> Telecommunications I		<b>3</b>
<b>CISA 4358</b> Information Resource Mgmt/MIS		<b>3</b>
<b>CISA 4321</b> Information Security		<b>3</b>
<b>Concentration Requirements</b>		
<b>CISA/ MGMT4311</b> (Project Mgmt)		<b>3</b>
<b>CISA/ MGMT 4312</b> (Project Risk Mgmt)		<b>3</b>
<b>MGMT 4323</b> (Total Quality & Lean Management)		<b>3</b>
<b>MGMT 4344</b> (Organizational Leadership)		<b>3</b>
<b>Total Hours</b>		<b>120</b>

**120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

\*\*Class taken in last semester\*\*

**Bachelor of Business Administration  
Finance  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		<b>3</b>
<b>Departmental Requirements</b>	<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		<b>3</b>
<b>ACCT 2301</b> Principles of Accounting I - Financial		<b>3</b>
<b>ACCT 2302</b> Principles of Accounting II - Managerial		<b>3</b>
<b>CISA 1301</b> Introduction to Computers		<b>3</b>
<b>ECON 2302</b> Principles of Microeconomics		<b>3</b>

<b>Business Core (Upper Level) 2.0 overall GPA for major</b>	<b>33 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>ACCT 3301</b> Acct for non-Acct Majors		<b>3</b>
<b>BCOM 3304</b> Business Communications		<b>3</b>
<b>BLAW 3341</b> Business Law		<b>3</b>
<b>BUAD 3301</b> Quantitative Methods for Business		<b>3</b>
<b>BUAD 3355</b> Business Statistics		<b>3</b>
<b>CISA 3358</b> Management Information Systems		<b>3</b>
<b>FINC 3337</b> Business Finance		<b>3</b>
<b>MGMT 3311</b> Principles of Management		<b>3</b>
<b>MGMT 3320</b> Supply Chain and Ops Mgmt		<b>3</b>
<b>MKTG 3361</b> Principles of Marketing		<b>3</b>
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		<b>3</b>
<b>Major Courses</b>		
	<b>27 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>FINC 3338</b> Financial Statement Analysis		<b>3</b>
<b>FINC 4331</b> Investments		<b>3</b>
<b>FINC 4332 OR FINC 4360</b> Portfolio Mgmt or Options & Futures		<b>3</b>
<b>FINC 4336 OR FINC 4362</b> FINC Mgmt or Capital Budgeting		<b>3</b>
<b>FINC 4341</b> Financial Markets & Institutions		<b>3</b>
<b>FINC 4342</b> International Finance		<b>3</b>
<b>FINC Elective (Advanced)</b>		<b>3</b>
<b>FINC Elective (Advanced)</b>		<b>3</b>
<b>Major Requirements</b>		
<b>ECON 3331</b> Money & Banking		<b>3</b>
<b>ELECTIVES</b>		
	<b>3 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>Business Elective (Advanced)</b>		<b>3</b>
<b>Total Hours</b>		<b>120</b>

120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

\*\*Class taken in last semester\*\*

**Bachelor of Business Administration  
General Business  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315 or 1321</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		<b>3</b>
<b>Departmental Requirements</b>	<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		<b>3</b>
<b>ACCT 2301</b> Principles of Accounting I - Financial		<b>3</b>
<b>ACCT 2302</b> Principles of Accounting II - Managerial		<b>3</b>
<b>CISA 1301</b> Introduction to Computers		<b>3</b>
<b>ECON 2302</b> Principles of Microeconomics		<b>3</b>

<b>Business Core (Upper Level) 2.0 overall GPA for major</b>	<b>33 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>ACCT 3301</b> Acct for non-Acct Majors		<b>3</b>
<b>BCOM 3304</b> Business Communications		<b>3</b>
<b>BLAW 3341</b> Business Law		<b>3</b>
<b>BUAD 3301</b> Quantitative Methods of Business		<b>3</b>
<b>BUAD 3355</b> Business Statistics		<b>3</b>
<b>CISA 3358</b> Management Information Systems		<b>3</b>
<b>FINC 3337</b> Business Finance		<b>3</b>
<b>MGMT 3311</b> Principles Of Management		<b>3</b>
<b>MGMT 3320</b> Supply Chain & Ops Mgmt		<b>3</b>
<b>MKTG 3361</b> Principles Of Marketing		<b>3</b>
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		<b>3</b>
<b>MAJOR Courses</b>	<b>30 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MGMT 3325</b> (Human Resource Management)		<b>3</b>
<b>MGMT 4327</b> (Org Theory & Human Behavior)		<b>3</b>
<b>MGMT 4331</b> (International Management)		<b>3</b>
<b>Major Requirements</b>		
<b>Accounting Elective</b> (Acct 3314 Cost Managerial Acct recommended)		<b>3</b>
<b>ECON 3331</b> ( Money & Banking)		<b>3</b>
<b>MGMT 4330</b> (Purchasing & Supply Chain Mgmt)		<b>3</b>
<b>Business Elective (Advanced)</b>		<b>3</b>
<b>Business Elective (Advanced)</b>		<b>3</b>
<b>Business Elective (Advanced)</b>		<b>3</b>
<b>Marketing Elective (Advanced)</b>		<b>3</b>
<b>Total Hours</b>		<b>120</b>

\*\*Class taken in last semester\*\*

**120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

**Bachelor of Business Administration  
International Management  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		3-4
<b>Natural Science w/lab experience</b>		3-4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		3
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		3
<b>Departmental Requirements</b>	<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		3
<b>ACCT 2301</b> Principles of Accounting I - Financial		3
<b>ACCT 2302</b> Principles of Accounting II - Managerial		3
<b>CISA 1301</b> Introduction to Computers		3
<b>ECON 2302</b> Principles of Microeconomics		3

Business Core (Upper Level) 2.0 overall GPA for major	33 Cr Hr	
	Grd	Cr Hr
<b>ACCT 3301</b> Acct for non-Acct Majors		3
<b>BCOM 3304</b> Business Communications		3
<b>BLAW 3341</b> Business Law		3
<b>BUAD 3301</b> Quantitative Methods of Business		3
<b>BUAD 3355</b> Business Statistics		3
<b>CISA 3358</b> Management Information Systems		3
<b>FINC 3337</b> Business Finance		3
<b>MGMT 3311</b> Principles Of Management		3
<b>MGMT 3320</b> Supply Chain & Ops Mgmt		3
<b>MKTG 3361</b> Principles Of Marketing		3
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		3
<b>MAJOR Courses</b>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>MGMT 3325</b> (Human Resource Management)		3
<b>MGMT 4327</b> (Org Theory & Human Behavior)		3
<b>MGMT 4331</b> (International Management)		3
<b>Major Requirements</b>		
<b>ECON 3334</b> ( International Economics)		3
<b>BLAW 4344</b> ( International Business Law)		3
<b>FINC 4342</b> (International Finance)		3
<b>MKTG 4363</b> ( International Marketing)		3
<b>Language Requirements</b>		
<b>Foreign Language</b>		3
<b>Foreign Language</b>		3
<b>ELECTIVES</b>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>Business Elective (Advanced)</b>		3
<b>Total Hours</b>		<b>120</b>

120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

\*\*Class taken in last semester\*\*



**Bachelor of Business Administration  
Management  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		3-4
<b>Natural Science w/lab experience</b>		3-4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		3
<b>Lit/Phil/Lang/Cult Studies</b>		3
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		3
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		3
<b>Departmental Requirements</b>	<b>15 Cr Hr</b>	
	Grd	Cr Hr
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		3
<b>ACCT 2301</b> Principles of Accounting I - Financial		3
<b>ACCT 2302</b> Principles of Accounting II - Managerial		3
<b>CISA 1301</b> Introduction to Computers		3
<b>ECON 2302</b> Principles of Microeconomics		3

Business Core (Upper Level) 2.0 overall GPA for major	33 Cr Hr	
	Grd	Cr Hr
<b>ACCT 3301</b> Acct for non-Acct Majors		3
<b>BCOM 3304</b> Business Communications		3
<b>BLAW 3341</b> Business Law		3
<b>BUAD 3301</b> Quantitative Methods of Business		3
<b>BUAD 3355</b> Business Statistics		3
<b>CISA 3358</b> Management Information Systems		3
<b>FINC 3337</b> Business Finance		3
<b>MGMT 3311</b> Principles Of Management		3
<b>MGMT 3320</b> Supply Chain & Ops Mgmt		3
<b>MKTG 3361</b> Principles Of Marketing		3
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		3
<b>MAJOR Courses</b>		
	Grd	Cr Hr
<b>MGMT 3325</b> (Human Resource Management)		3
<b>MGMT 4327</b> (Org Theory & Human Behavior)		3
<b>MGMT 4331</b> (International Management)		3
<b>Major Requirements</b>		
<b>MGMT 4323</b> (Total Quality & Lean Management)		3
<b>MGMT 4326</b> (Labor Relations & Collective Bargaining)		3
<b>MGMT 4330</b> (Purchasing & Supply Chain Management)		3
<b>MGMT Elective (Advanced)</b>		3
<b>MGMT Elective (Advanced)</b>		3
<b>ELECTIVES</b>		
	Grd	Cr Hr
<b>Business Elective (Advanced)</b>		3
<b>Business Elective (Advanced)</b>		3
<b>Total Hours</b>		<b>120</b>

120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

\*\*Class taken in last semester\*\*

**Bachelor of Business Administration  
Management  
Human Resources Concentration  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		<b>3</b>
<b>Departmental Requirements</b>	<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		<b>3</b>
<b>ACCT 2301</b> Principles of Accounting I - Financial		<b>3</b>
<b>ACCT 2302</b> Principles of Accounting II - Managerial		<b>3</b>
<b>CISA 1301</b> Introduction to Computers		<b>3</b>
<b>ECON 2302</b> Principles of Microeconomics		<b>3</b>

**120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

<b>Business Core (Upper Level)</b>	<b>33 Cr Hr</b>	
<b>2.0 overall GPA for major</b>	<b>Grd</b>	<b>Cr Hr</b>
<b>ACCT 3301</b> Acct for non-Acct Majors		<b>3</b>
<b>BCOM 3304</b> Business Communications		<b>3</b>
<b>BLAW 3341</b> Business Law		<b>3</b>
<b>BUAD 3301</b> Quantitative Methods of Business		<b>3</b>
<b>BUAD 3355</b> Business Statistics		<b>3</b>
<b>CISA 3358</b> Management Information Systems		<b>3</b>
<b>FINC 3337</b> Business Finance		<b>3</b>
<b>MGMT 3311</b> Principles Of Management		<b>3</b>
<b>MGMT 3320</b> Supply Chain & Ops Mgmt		<b>3</b>
<b>MKTG 3361</b> Principles Of Marketing		<b>3</b>
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		<b>3</b>
<b>MAJOR Courses</b>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>MGMT 3325</b> (Human Resource Management)		<b>3</b>
<b>MGMT 4327</b> (Org Theory & Human Behavior)		<b>3</b>
<b>MGMT 4331</b> (International Management)		<b>3</b>
<b>Concentration Requirements</b>		
<b>MGMT 4326</b> (Labor Relations & Collective Bargaining)		<b>3</b>
<b>MGMT 4341</b> (Compensation & Benefits)		<b>3</b>
<b>MGMT 4342</b> (Training & Development)		<b>3</b>
<b>MGMT 4343</b> (Performance Management)		<b>3</b>
<b>MGMT Elective (4344, 4345, or 4346)</b>		<b>3</b>
<b>MGMT Elective (4344, 4345, or 4346)</b>		<b>3</b>
4344: Organizational Leadership		
4345: International Human Resources		
4346: Seminar in Human Resources		
<b>ELECTIVES</b>		
<b>Business Elective (Advanced)</b>		<b>3</b>
<b>Total Hours</b>		<b>120</b>

\*\*Class taken in last semester\*\*

**Bachelor of Business Administration  
Management  
Supply Chain Management Concentration  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		<b>3</b>
<b>Departmental Requirements</b>	<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		<b>3</b>
<b>ACCT 2301</b> Principles of Accounting I - Financial		<b>3</b>
<b>ACCT 2302</b> Principles of Accounting II - Managerial		<b>3</b>
<b>CISA 1301</b> Introduction to Computers		<b>3</b>
<b>ECON 2302</b> Principles of Microeconomics		<b>3</b>

**120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

<b>Business Core (Upper Level) 2.0 overall GPA for major</b>	<b>33 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>ACCT 3301</b> Acct for non-Acct Majors		<b>3</b>
<b>BCOM 3304</b> Business Communications		<b>3</b>
<b>BLAW 3341</b> Business Law		<b>3</b>
<b>BUAD 3301</b> Quantitative Methods of Business		<b>3</b>
<b>BUAD 3355</b> Business Statistics		<b>3</b>
<b>CISA 3358</b> Management Information Systems		<b>3</b>
<b>FINC 3337</b> Business Finance		<b>3</b>
<b>MGMT 3311</b> Principles Of Management		<b>3</b>
<b>MGMT 3320</b> Supply Chain & Ops Mgmt		<b>3</b>
<b>MKTG 3361</b> Principles Of Marketing		<b>3</b>
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		<b>3</b>
<b>MAJOR Courses</b>		
	<b>27 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MGMT 3325</b> (Human Resource Management)		<b>3</b>
<b>MGMT 4327</b> (Org Theory & Human Behavior)		<b>3</b>
<b>MGMT 4331</b> (International Management)		<b>3</b>
<b>Concentration Requirements</b>		
<b>MGMT 3314 OR MKTG 3314</b> (Principles of Business Logistics)		<b>3</b>
<b>MGMT 4355 OR MKTG 4355</b> (Channel Marketing)		<b>3</b>
<b>MGMT 4323</b> (Total Quality & Lean Management)		<b>3</b>
<b>MGMT 4330</b> (Purchasing & Supply Chain Management)		<b>3</b>
<b>MGMT 4343</b> (Performance Management)		<b>3</b>
<b>MGMT 4333/ CISA 4333</b> (Supply Chain Integration)		<b>3</b>
<b>ELECTIVES</b>		
	<b>3 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>Business Elective (ACCT 4317, or CISA 4331)</b> (AIS or ERP)		<b>3</b>
<b>Total Hours</b>		<b>120</b>

\*\*Class taken in last semester\*\*

**Bachelor of Business Administration  
Marketing  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314 or 1324</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<b>Natural Science w/lab experience</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1315, or 1321</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>ECON 2301</b> Principles of Macroeconomics		<b>3</b>
<b>Departmental Requirements</b>	<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 1325</b> Mathematics for Business and Social Sciences II (Business Calculus)		<b>3</b>
<b>ACCT 2301</b> Principles of Accounting I - Financial		<b>3</b>
<b>ACCT 2302</b> Principles of Accounting II - Managerial		<b>3</b>
<b>CISA 1301</b> Introduction to Computers		<b>3</b>
<b>ECON 2302</b> Principles of Microeconomics		<b>3</b>

Business Core (Upper Level) 2.0 overall GPA for major	33 Cr Hr	
	Grd	Cr Hr
<b>ACCT 3301</b> Acct for non-Acct Majors		<b>3</b>
<b>BCOM 3304</b> Business Communications		<b>3</b>
<b>BLAW 3341</b> Business Law		<b>3</b>
<b>BUAD 3301</b> Quantitative Methods of Business		<b>3</b>
<b>BUAD 3355</b> Business Statistics		<b>3</b>
<b>CISA 3358</b> Management Information Systems		<b>3</b>
<b>FINC 3337</b> Business Finance		<b>3</b>
<b>MGMT 3311</b> Principles Of Management		<b>3</b>
<b>MGMT 3320</b> Supply Chain & Ops Mgmt		<b>3</b>
<b>MKTG 3361</b> Principles Of Marketing		<b>3</b>
<b>MGMT 4325</b> MGMT Decision and Business Policy <i>(to be completed in your last semester only) **</i>		<b>3</b>
<b>MAJOR Courses</b>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>MKTG 3360</b> Personal Selling		<b>3</b>
<b>MKTG 3365</b> Marketing Research		<b>3</b>
<b>MKTG 4350</b> Consumer Purchasing & Motivation		<b>3</b>
<b>MKTG 4361</b> Marketing Management <i>(must be in senior standing) **</i>		<b>3</b>
<b>MKTG 4363</b> International Marketing		<b>3</b>
<b>MKTG Elective</b> (3364: Promotional Strategy, <i>recommended</i> )		<b>3</b>
<b>MKTG Elective (Advanced)</b>		<b>3</b>
<b>MAJOR Requirements</b>		
<b>MGMT 4327</b> Org Theory & Human Behavior		<b>3</b>
<b>ACCT Elective</b> (3314: Cost Managerial, <i>recommended</i> )		<b>3</b>
<b>ELECTIVES</b>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>Business Elective (Advanced)</b>		<b>3</b>
<b>Total Hours</b>		<b>120</b>

120 CREDIT HOURS REQUIRED FOR DEGREE  
63 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

\*\*Class taken in last semester/senior standing\*\*

**Bachelor of Science  
Computer Science  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 2413</b> Calculus I		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>CHEM 1411</b> General Chemistry I		<b>4</b>
<b>PHYS 2425</b> University Physics I		<b>4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Visual/Performing Arts</b>		<b>3</b>
<b>Lit/Phil/Lang/Cult Studies</b>		<b>3</b>
<i>History/Political Science</i>		
<b>HIST 1301</b> American History		<b>3</b>
<b>HIST 1302</b> American History		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311 or 1315</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<i>Social/Behavioral Science</i>		
<b>Social/Behavioral Science</b>		<b>3</b>
<b>Lower Division Departmental Requirements</b>	<b>26 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>COSC 1337</b> Programming Fundamentals II		<b>3</b>
<b>COSC 2315</b> Data Structures		<b>3</b>
<b>ENGR 1201</b> Introduction to Engineering		<b>2</b>
<b>ENGR 2304</b> Programming for Engineers		<b>3</b>
<b>ENGR 2305</b> Circuits I for Electrical Engineering		<b>3</b>
<b>ENGT 1407</b> Digital Fundamentals		<b>4</b>
<b>MATH 2414</b> Calculus II		<b>4</b>
<b>PHYS 2426</b> University Physics II		<b>4</b>

<b>Upper Division Departmental Requirements</b>	<b>9 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>MATH 3370</b> Discrete Math		<b>3</b>
<b>MATH 3320</b> Differential Equations		<b>3</b>
<b>MATH 3340, 4303, OR 4374</b>		<b>3</b>
3340 Linear Algebra w/Applications 4303 Statistical Methods 4374 Numerical Analysis		
<b>Upper Division Major Courses</b>	<b>44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>CSCI 3343</b> Analysis of Algorithms		<b>3</b>
<b>CSCI 4304</b> Database Management Systems		<b>3</b>
<b>CSCI 4315</b> Computer Graphics		<b>3</b>
<b>CSCI 4316</b> Software Engineering I		<b>3</b>
<b>CSCI 4317</b> Software Engineering II		<b>3</b>
<b>CSCI 4306</b> Computer Networks		<b>3</b>
<b>CSCI 4321</b> Computer Security		<b>3</b>
<b>CSCI 4362</b> Operating Systems		<b>3</b>
<b>CSCI 4366</b> Theory of Programming Languages		<b>3</b>
<b>CSCI 4491</b> Senior Seminar		<b>4</b>
<b>Major Requirements</b>		
<b>EEEN 3449</b> Microprocessor Systems		<b>3</b>
<b>EEEN 4344</b> Computer Architecture and Design		<b>3</b>
<b>ELECTIVES</b>		
Approved Advanced Elective		<b>3</b>
Approved Advanced Elective		<b>3</b>
<b>Total Hours</b>		<b>123</b>

**123 CREDIT HOURS REQUIRED FOR DEGREE  
52 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(30 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)**

## SCHOOL OF EDUCATION & KINESIOLOGY

### Undergraduate Programs

**Dr. Eric López, School Head**  
**Ms. Christine Moryl, *Administrative Assistant III***  
**Main Campus Building, Room 212**  
**(210)784-2501**

#### **DEPARTMENT OF CURRICULUM & KINESIOLOGY**

**Dr. Samuel S. Garcia, *Department Chair***  
**Ms. Ana Maria Hernandez, *Administrative Assistant III***  
**Main Campus Building, Room 222**  
**(210)784-2507**

The School of Education & Kinesiology is committed to serving the needs of the region by preparing qualified professionals to assume positions of responsibility and leadership in a global society. Reflective of this mission, the School of Education & Kinesiology is dedicated to supporting and retaining quality faculty and staff who nurture and optimize student opportunities while simultaneously pursuing high academic, professional and personal standards that promote student achievement and life-long learning. The School of Education & Kinesiology serves an ethnically diverse population that comprises the university's student base and seeks to work cooperatively with area early childhood through grade 12 educators, education service centers, area community colleges, community and business leaders, and professional organizations in promoting excellence in education at all levels. Students are expected to uphold the Texas Educator's Code of Ethics as well as the standards of professional organizations in their fields of study.

The School of Education & Kinesiology offers the Bachelor of Science in Interdisciplinary Studies, the Bachelor of Science in Kinesiology, and various master's degrees.

#### **Academic Advising**

Each undergraduate student is assigned a professional advisor upon entering the university. Students meet with their advisor on a scheduled basis to guide their selected plan of study and to discuss questions or concerns.

Students who are interested in changing majors into any of our elementary, middle school or secondary certification programs are responsible for meeting with an advisor prior to doing so. Advisors have specific information regarding all program options.

**NOTE: The following sections provide general information about programs in the School of Education & Kinesiology. Additional regulations for educator certification may take effect during the years of this catalog and may require changes that could not be foreseen at the time of printing. Changes that become effective in response to rulings by the State Board for Educator Certification and the Texas Higher Education Coordinating Board may apply to current and prospective students.**

#### **The Teacher Preparation and Certification Center (TPCC)**

The teacher education certification program at Texas A&M University-San Antonio is administered by the Teacher Preparation and Certification Center (TPCC). The Field-Residency program consists of two 64 semester hours in a Texas accredited school site. Students interested in elementary certification may seek certification in early childhood (EC-6), bilingual education, special education, kinesiology or certification in grades (4-8) in the specialization areas of mathematics, science, social studies or English language arts/reading.

The elementary program is divided into two semesters of a (64 hour) Field-Residency starting in the third semester and upon acceptance into the Teacher Preparation & Certification program. Application packets for the teacher preparation program are available in the TPCC office along with a listing of assigned advisors. Early Childhood (EC-6) Field Residency assignments include a total of three semesters (2 field residency and 1 student teaching) in EC-6 accredited school classrooms.

Elementary (4-8) Field Residency assignments will be completed in grade (4-8) classrooms. Field Residency assignments are to be completed in pre-arranged collaborating area schools. Student teaching is to be completed during the last semester of study and involves working full days for one semester. Student teaching begins the day school begins, fall or spring, rather than when university classes begin. Field-Residency and Student Teaching placements are not offered during the summer sessions.

The secondary (8-12)/all-level (EC-12) certification program usually begins in the second semester of the junior year and is a three semester field-residency program. The first semester students are placed in a middle school or high school and the second semester students are placed in a high school. Classroom placements are based on degree certification being sought and pre-arranged with collaborating of area schools. The student teaching internship residency in the last semester consists of 640 hours. All EDED, EDSE and field-residency I and II courses must be successfully completed before the unpaid student teaching internship.

### **Degree Plans**

Students declaring EC-6, 4-8, or EC-12 Interdisciplinary Studies as a major should schedule an appointment with a School of Education & Kinesiology advisor to plan and develop their degree plan. After the advisor and student sign the degree plan, it then becomes the official plan that students follow to graduation. Changes and course substitutions to the plan must be approved by the student's Advisor, Department Chair, and School Head when changes involve courses from each school. Changes may also occur when the State Board for Education Certification mandates changes in the teacher preparation program or certification areas.

Other secondary/all level degree plans may be obtained from the department of the student's major field, and students must also meet with the Arts & Science Academic Advisor for degree plan modifications.

### **Educator Certification in Texas**

The University maintains a Certification Office to assist individuals with certification concerns. The present certification rules in Texas became effective September 1, 1999. The Standard Certificate replaces the lifetime Provisional and Professional certificates for all certificate programs completed after September 1, 1999. The Standard Certificate is issued by the State Board for Educator Certification and must be renewed every five years to remain valid.

### **The Initial Standard Certificate**

The initial certificate for beginning teachers may be obtained by completion of an appropriate undergraduate program culminating in a baccalaureate degree. A student seeking initial certification is required to have a minimum cumulative grade point average of 2.5 plus a minimum 2.5 average in courses constituting the teaching field(s) and delivery system(s) (Bilingual Education, Early Childhood Education, -Special Education).

In order to be recommended for initial certification or for additional teaching fields or areas of specialization, or for supplemental certificates, all persons are required to achieve a satisfactory level of performance on the Texas Examinations of Educator Standards (TExES). All persons seeking certification in Bilingual Education must also pass a Spanish language proficiency test, the Bilingual Target Language Proficiency (BTLPT) or its successor. All persons seeking Secondary Spanish must pass a language proficiency test, the Languages Other than English (LOTE).

### **Areas and Levels of Certification**

The State Board for Educator Certification (SBEC) has approved subject areas and grade levels for certification to be phased in beginning fall 2002. Standards describing the knowledge and skills that a beginning teacher must demonstrate prior to certification have been developed for each certificate. For the years covered by this catalog, beginning teachers will be certified under the certification structure described below.

#### ***Standard Certificates for Early Childhood-Grade 6 and Grades 4-8***

An undergraduate student seeking a certificate to teach in the elementary schools must complete coursework for a Bachelor of Science degree in Interdisciplinary Studies. Requirements include approximately two years of course work in academic foundations courses; a minimum of 12 semester hours of science, 9 semester hours of mathematics and 6 semester hours of reading; 48 semester hours in an interdisciplinary academic major consisting

of subjects taught in the elementary grades with 24 semester hours in one or more subject areas or 18 semester hours in a delivery system (Bilingual Education-Spanish, Early Childhood Education, Special Education), 24 semester hours of field-residency professional development courses, and 6 semester hours of student teaching.

A&M-San Antonio offers the Bachelor of Science degree in Interdisciplinary Studies for the following specializations and delivery systems:

**Generalist (Grades EC-6):** For students wishing to teach primary and elementary age students in the general education classroom.

**Generalist (Grades EC-6) and EC Local Certificate:** For students wishing to teach primary and elementary age students in the general classroom with a specialization in Early Childhood (PreK-2).

**Bilingual Generalist (Grades EC-6):** For students wishing to teach primary and elementary age students in the bilingual education classroom.

**Generalist (Grades 4-8) with Content Specialization Option:** For students wishing to teach middle level age students in the general education classroom. Students have the option of graduating with a content specialization meeting highly qualified expectations at the middle school level for specific content areas (i.e., Math, Science, Social Studies, English/Language Arts).

**Bilingual Generalist (Grades 4-8) with Content Specialization Option:** For students wishing to teach middle level age students in the bilingual classroom. Students have the option of graduating a content specialization meeting highly qualified expectations at the middle school level for specific content areas (i.e., Math, Science, Social Studies, English/Language Arts).

**Special Education (Grades EC-12) with Dual Certification in (Grades EC-6, 4-8 or 8-12 (Content Specialization)):** For students wishing to teach special education students in PreK-12 settings. Students have the option of graduating with the Special Education (EC-12) and choice of a Dual Certification in order to qualify them to teach in behavior unit or life skills settings. The dual certification meets highly qualified expectations in either elementary or middle level regular classrooms, as well as special education PreK-12 for increased marketability and flexibility in teaching assignments.

**Physical Education (Grades EC-12) with Content Specialization Option:** For students wishing to teach physical education students in PreK-12 settings with additional ESL or SPED Endorsement Options. Dual certifications increase marketability and flexibility in teaching assignments.

**Grades 8-12 Certification Areas:** For students wishing to teach specific content areas (Math, Science, Social Studies, English/Language Arts) in grades 8th-12th grade settings. Students seeking to teach in these fields, must meet with the School of Arts & Sciences Academic Advisors for additional coursework requirements for teacher education minors.

### ***Standard Certificate for Grades 8-12***

A student seeking a certificate to teach in the secondary schools of Texas must earn a bachelor's degree in a recognized major. Majors that lead to secondary certification can be found in the Schools Business, Arts & Sciences and Education & Kinesiology. The introduction to the School of Arts & Sciences has a list of majors offered in that department that lead to teaching certification. To earn certification the student must spend approximately two years in academic foundations courses; approximately 48 semester hours in selected teaching fields; 18 semester hours in professional development courses; 3 hours in reading and 6 semester hours in student teaching. For further information, students should contact their Academic Advisor for information on offering majors that lead to certification.



### ***Standard Certificate for Grades EC-12***

A student seeking a certificate to teach a special subject at all grade levels in Texas schools must complete the work for a Bachelor of Arts or Bachelor of Science degree consisting of approximately two years of course work in academic foundations courses; the required course work in the subject area, including specific courses at both the elementary and secondary levels; and the required professional education courses at the elementary and secondary levels. Texas A&M University-San Antonio offers the all-level certificate in both Special Education and Physical Education. For further information students should contact their Academic Advisor for information on offering majors that lead to certification.

### ***Supplemental Endorsements***

Supplemental Endorsements are added to existing elementary, secondary or all-level certificates or to new Grades EC-6, 4-8 or 8-12 standard certificates and are available in the following areas: English as a Second Language (ESL), and Special Education.

### ***Additional Standard Certificates Based on Graduate Coursework***

An additional standard certificate is obtained by completion of an appropriate program of no fewer than 30 semester hours of graduate work. This certificate may be issued to a student who has earned a master's degree, holds an initial standard or provisional certificate, has completed a required number of years of successful classroom teaching, has completed the required graduate-level course work or master's degree in an approved program and has been recommended by the certification officer. If course work is properly planned, the graduate student may be able to simultaneously complete requirements for a master's degree and an additional standard certificate.

A student who is interested in working toward a graduate degree and an additional standard certificate should consult the graduate advisor in the School of Education & Kinesiology concerning certificate requirements.

*Testing and Evaluation Process:* In order to be approved for the above certifications, all persons, including those holding a valid out-of-state certificate, are required to attend 6 hours of TExES Review Sessions, and attempt to take a Practice Tests prior to the actual state exam. Students must achieve a satisfactory level of performance on the TExES state exam in order to be granted a state certificate.

***Graduate Teacher Certification Program (GTCP):*** The Graduate Teacher Certification program is for those individuals who already hold a baccalaureate degree. This program is an accelerated route into teaching which offers training on how to be an effective teacher through graduate-level course work. Our Graduate Teacher Certification Program is designed to be completed in a 12 to 15 month period, during which students have a paid teaching position in a public school classroom.

For further information, contact the Graduate Teacher Certification Program at Texas A&M University-San Antonio at extension 2507

### ***Non-Certification Degrees: Bachelor of Applied Arts and Sciences in Interdisciplinary Studies (BAAS), Bachelor of Science in Interdisciplinary Studies (BSIDS) in Elementary Studies, and Kinesiology (Exercise Science & Pre-Physical Therapy)***

The Department of Education & Kinesiology offers four undergraduate degrees that do not prepare recipients to sit for teacher certification. Both the Bachelor of Applied Arts and Sciences (BAAS) and Bachelor of Sciences in Interdisciplinary Studies (BSIDS) are designed for students who would like to pursue areas of study that involve working with local and state community agencies who do not require a teaching certificate. The Kinesiology (Exercise Science & Pre-Physical Therapy) are designed for students wishing to pursue health-, exercise-, physical therapy- or movement-related careers outside of the public school setting. Students should contact their Academic Advisor in the School of Education & Kinesiology for more information.

## **ADMISSION TO THE TEACHER PREPARATION AND CERTIFICATION CENTER (TPCC)**

**Ms. Annettee Gonzales, *Director***  
**Ms. Christine Moryl, *Administrative Assistant III***  
**Main Campus Building, Room 216**  
**(210)784-2502**

**NOTE: State requirements may cause changes in university requirements. Please contact TPCC office and TPCC Website for any updates to the admission requirements.**

Students admitted to the university may declare their interest in becoming teachers and initiate a general academic program preparatory to this objective. In addition to applying and being accepted to the university, after successfully completing 60 or more semester hours of study with a minimum cumulative grade point average of 2.5/4.0, transfer and Texas A&M-San Antonio course work, the student should request an application to the teacher preparation program. Students may not register for 3000 or 4000 level education courses until the application is submitted and approved, unless special permission is obtained from an Academic Advisor. To be admitted to the teacher education program a student must:

- a. have completed 45 semester hours including at least 30 semester hours of academic foundations.
- b. have completed ENGL 1301, ENGL 1302, HIST 1301, HIST 1302, MATH 1314 or higher, COMS 1313 or equivalent, and an additional college level Math and Science (with a “C” or better). Secondary education students (4-8 or 8-12 content area certifications) must also include 12 hours in content area.
- c. have an official degree plan on file in the School of Education & Kinesiology or submit a copy of the approved degree plan.
- d. have a cumulative GPA of 2.5 or better, including all transfer work.
- e. have a minimum of the state prescribed scores on the state required tests in reading, mathematics and writing on the THEA, Accuplacer, Compass, Asset, ACT, SAT or GRE. Texas Success Initiative Testing Exemptions may apply.
- f. have signed disclosure and consent forms required for participation in field experiences and student teaching. Schools participating in the field-based program may require criminal background checks on A&M-San Antonio students interacting on a daily basis with school-age students. Applicants for a Texas teaching certificate must report any previous arrest, indictment, conviction and/or deferred adjudication to the Texas Board for Educator Certification. SBEC requires fingerprinting to verify a nationwide criminal history background check. An applicant with a criminal history may be denied certification.
- g. have completed critical thinking requirements in EDUC 1301 and EDUC 2301 or approved substitute course (grade of “C” or better).

Student must maintain a 2.5/4.0 grade point average to remain in the Teacher Preparation and Certification Center. All education courses may be counted toward any degree leading to teacher certification. All education courses must be of a grade of “C” or better. Students must be approved to the TPCC Program and complete all methods courses prior to registering for Student Teaching and will need to adhere to the above requirements.

### **Admission to Student Teaching**

Students are expected to plan their academic programs, if possible, by registering for no more than a maximum of 12 semester hours during their last semester (6 hours of which include the student teaching internship). Any additional course hours must be scheduled in the evening. Any exception must be approved by the Director of the Teacher Preparation and Certification Center. To be eligible to register for student teaching a student must:

- a. have been officially admitted to the Teacher Preparation and Certification Center (TPCC) in the School of Education & Kinesiology.
- b. have completed a minimum of 112 semester credit hours with no more than 12 hours remaining, including student teaching.
- c. have a cumulative grade point average of a minimum of 2.5/4.0 overall (transfer and Texas A&M-San Antonio work) and a minimum of 2.5 average or above in the teaching field(s) and/or delivery systems.

- d. have completed all education courses (except EDED 4613 Elementary Student Teaching and EDED 4623 Secondary/All-level Student Teaching). Exceptions include:
  1. students with financial aid may take enough courses to maintain aid funding.
  2. for other circumstances, call the (TPCC) office and make an appointment for advising.
- e. have completed the application for student teaching (available in the TPCC office, Main Building, Room 216).
- f. have submitted the results of the Criminal Background Check prior to Student Teaching Placements.

### **Communication Skills**

All transfer students entering Texas A&M-San Antonio must demonstrate minimum communication skills. Students in the School of Education & Kinesiology must pass ENGL 1302 with a grade of C or better to meet the requirement. Students in other divisions should contact their academic advisors for specific communication requirements.

### **Teacher Certification Requirements**

Students will be required to take 6 hours of Review Sessions (3 hrs. content area and 3 hrs. PPR) during Field Based Residency I and two TExES Practice Exams (content area and PPR) during Field Based Residency II course work. During Student Teaching Internship, students will be required to take the actual TExES State Exams (content area and PPR) administered by ETS with a test fee. Refer to ETS website <http://texes.ets.org/faq/registration/> for additional information.

Students must pass all required TExES state exams (content area and PPR) and degree must be posted to the official transcript prior to being recommended for the Teacher Certificate by the TPCC Certification Officer.

### **Special Requirements for B.S. in Kinesiology**

In addition to the graduation requirements set forth by the University and the School of Education & Kinesiology, the Kinesiology program requires a grade of “C” or better in all major or teaching-field courses for the B.S. in Kinesiology (EC-12 Physical Education), B.S. in Kinesiology (Exercise Science), and B.S. in Kinesiology (Exercise Science/Pre-Physical Therapy) degrees.

**Bachelor of Science in Interdisciplinary Studies  
Bilingual Generalist (Grades 4-8)  
2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	42-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>COMMUNICATION-ORAL</i>		
<b>SPCH 1311, 1315</b> Fundamentals of Speech		3
<i>MATHEMATICS</i>		
<b>MATH 1314</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science</b>		3-4
<b>Natural Science</b>		3-4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Lit/Phil/Lang/Cultural Studies</b>		3
<b>Visual/Performing Arts</b>		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History I		3
<b>HIST 1302</b> American History II		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning (Geog. 1303)</b>		3
<b>Support Courses</b>		
	21Cr Hr	
	Grd	Cr Hr
<b>SPAN 2311</b>		3
<b>SPAN 2312</b>		3
<b>ADDITIONAL</b> Natural Science		3-4
<b>MATH 1350</b> Fundamental of Math I		3
<b>MATH 1351</b> Fundamentals of Math II		3
<b>EDUC 1301/EDED 3370</b> Teaching as a Prof		3
<b>EDUC 2301/EDED 3380</b> Intro to Special Pops		3

Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDUC 1301, and EDUC 2301 all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

**125 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

**Highly Qualified:** In order to be Highly Qualified to teach a specific content area in grades 6-8, a student must complete a minimum of 24 content hours (12 of which must be upper level). Students need to see an Academic Advisor for recommended courses in one of the following areas Math, English Language Arts, Science, and Social Studies. (Course Listings Sheet)

Professional Development Courses	62 Cr Hr	
<i>"C" or higher required in EDXX courses</i>		
<b>First Semester</b>		
	Grd	Cr Hr
<b>EDBL 3311</b> Survey of Bilingual Education		3
<b>EDSE 3345</b> Survey of Except Individual		3
<b>EDRG 3315</b> Foundations of Lit. Instruction		3
<b>EDED 3303</b> Dev. & Behavior of Child/Adol		3
<b>HIST 4346</b> Texas History		3
<i>***TPCC Admittance Required for 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Semester Courses***</i>		
<b>Second Semester</b>		
<b>EDED 3308</b> Ed. Media and Technology		3
<b>EDBL 3315</b> Sec Lang Acq. Lit Dev for ELL		3
<b>EDRG 3389</b> Teaching Rdg Inter & Middle Grades		3
<b>EDBL 3340</b> Applied Linguistics		3
<b>Third Semester</b>		
<b>EDBL 3320</b> Tests/Measures in Bilingual / ESL		3
<b>EDBL 3321</b> Meths of Teach Eng to Non-Eng		3
<b>EDED 3358</b> Classroom Management MS/SEC (FR)		3
<b>EDED 3357</b> English/Language Art MS/SEC (FR)		3
<b>EDFR 3110</b> Field Residency I		1
<b>Fourth Semester</b>		
<b>EDBL 4318</b> Teaching Lang Arts, Soc. St, Music (Dual)		3
<b>EDBL 4322</b> Teaching Math, Science, Art (Dual) (FR)		3
<b>EDBL 4355</b> Multicultural & Multilingual Education		3
<b>EDED 4309</b> Trends in Education		3
<b>EDRG 4331</b> Rdg Assessment & Intervention		3
<b>EDFR3120</b> Field Residency II		1
<b>Fifth Semester</b>		
<b>EDFR 4613</b> Student Teaching: Field Residency III		6

**Additional Department Spanish Language Proficiency Test Requirement (See Bilingual Education Faculty)**

**SPED Endorsement Option:** In order to add the Special Education Supplement to certification areas prior to graduation a student must complete the following courses - EDSE 3348, EDSE 4340, EDSE 4346, EDSE 4347 (and EDSE 3347 if not on degree plan)

**Bachelor of Science in Interdisciplinary Studies**  
**Non-certification degree option**  
**2012-2013 Degree Plan**

GENERAL EDUCATION COURSES	43-44 Cr Hr	
	Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3
<i>COMMUNICATION-ORAL</i>		
<b>SPCH 1311, 1315</b> Fundamentals of Speech		3
<i>MATHEMATICS</i>		
<b>MATH 1314</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science w/lab</b>		4
<b>Natural Science w/ or w/out lab</b>		3-4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Lit/Phil/Lang/Cultural Studies</b>		3
<b>Visual/Performing Arts</b>		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History (TX History preferred)		3
<b>HIST 1302</b> American History		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		3
<b>Support Courses</b>		
	16 Cr Hr	
	Grd	Cr Hr
<b>ADDITIONAL</b> Natural Science w/ lab		4
<b>MATH 1350</b> Fundamental of Math I		3
<b>MATH 1351</b> Fundamentals of Math II		3
Inst. Designated option		3
<b>EDUC 1301 or EDED 3370</b> Intro to Teaching		3

59-60 total hours

Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDUC 1301, and EDUC 2301 all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

**NOTE:** The BSIDS in Elementary Studies degree plan aligns with the EC-6 Generalist and provides individuals with the choice of a Bachelor's of Science degree in Education without teacher certification. In lieu of Field-Residency, students will be given an alternative field assignment.

Professional Development Courses	60 Cr Hr	
<i>"C" or higher required in EDXX courses</i>		
<b>First Semester (15 crh)</b>		
	Grd	Cr Hr
<b>EDEC 3303</b> Child Development		3
<b>EDED 3308</b> Methods in Ed. Media & Tech		3
<b>EDSE 3345</b> Survey of Exceptional Individual		3
<b>EDRG 3345</b> Foundations of Literacy		3
<b>HIST 4346</b> Texas History		3
<b>Second Semester (18 crh)</b>		
<b>EDED 3301</b> Principles of Learning		3
<b>EDED 3348</b> Classroom Mngmt for EC/Elem		3
<b>EDBL 3311</b> Survey of Bilingual Education		3
<b>EDSE 3347</b> Beh Mgt for Except Learners		3
<b>EDSE 3348</b> Ed Proc for Exceptional Students		3
<b>EDBL 3315</b> Second Language Acquisition & Lit Dev. for ELL's		3
<b>Electives need to be 3000+ level in any EDUC Area</b>		
<b>Third Semester (15 crh)</b>		
<b>EDEC 3349</b> Acad, Creativity, Play		3
<b>Elective</b>		3
<b>Elective</b>		3
<b>Elective</b>		3
<b>Elective</b>		3
<b>Fourth Semester (15 crh)</b>		
<b>Elective</b>		3
<b>Elective</b>		3
<b>Elective</b>		3
<b>Elective</b>		3
<b>Elective</b>		3

[60 total hours]

**120 CREDIT HOURS REQUIRED FOR DEGREE**  
**45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE**  
**(31 ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

**BS in Interdisciplinary Studies  
Bilingual Generalist (EC-6)  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>
<i>COMMUNICATION-ORAL</i>		
<b>SPCH 1311, 1315</b> Fundamentals of Speech		<b>3</b>
<i>MATHEMATICS</i>		
<b>MATH 1314</b>		<b>3</b>
<i>NATURAL SCIENCE</i>		
<b>Natural Science</b>		<b>3-4</b>
<b>Natural Science</b>		<b>3-4</b>
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Lit/Phil/Lang/Cultural Studies</b>		<b>3</b>
<b>Visual/Performing Arts</b>		<b>3</b>
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History I		<b>3</b>
<b>HIST 1302</b> American History II		<b>3</b>
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>
<b>Social/Behavioral Science</b>		<b>3</b>
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		<b>3</b>
<b>Support Courses</b>		
	<b>Grd</b>	<b>Cr Hr</b>
<b>SPAN 2311</b>		<b>3</b>
<b>SPAN 2312</b>		<b>3</b>
<b>ADDITIONAL</b> Natural Science		<b>3-4</b>
<b>MATH 1350</b> Fundamental of Math I		<b>3</b>
<b>MATH 1351</b> Fundamentals of Math II		<b>3</b>
<b>EDUC 1301 or EDED 3370</b> Teaching as a Prof		<b>3</b>
<b>EDUC 2301 or EDED 3380</b> Intro to Special Pops		<b>3</b>

Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDUC 1301, and EDUC 2301 all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

**125 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

<b>Professional Development Courses</b>	<b>62 Cr Hr</b>	
<i>"C" or higher required in EDXX courses</i>		
<b>First Semester</b>	<b>Grd</b>	<b>Cr Hr</b>
<b>EDBL 3311</b> Survey of Bilingual Education		<b>3</b>
<b>EDSE 3345</b> Survey of Exceptional Individual		<b>3</b>
<b>EDRG 3315</b> Foundations of Lit Instruction		<b>3</b>
<b>EDEC 3303</b> Child Development		<b>3</b>
<b>HIST 4346</b> Texas History		<b>3</b>
<b>***TPCC Admittance Required for 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Semester Courses***</b>		
<b>Second Semester</b>		
<b>EDED 3308</b> Ed Media and Technology		<b>3</b>
<b>EDBL 3315</b> Sec Lang Acq Lit Dev for ELL		<b>3</b>
<b>EDRG 3389</b> Teaching Rdg Inter & Middle Grades		<b>3</b>
<b>EDBL 3340</b> Applied Linguistics		<b>3</b>
<b>Third Semester</b>		
<b>EDBL 3320</b> Tests/Measures in Bilingual / ESL		<b>3</b>
<b>EDBL 3321</b> Meths of Teaching Eng to Non-Eng		<b>3</b>
<b>EDED 3348</b> Classroom Management- Elem (FR)		<b>3</b>
<b>EDEC 3349</b> Acad, Creativity, Play (FR)		<b>3</b>
<b>EDFR 3110</b> Field Residency I		<b>1</b>
<b>Fourth Semester</b>		
<b>EDBL 4318</b> Tchng Lang Arts,Soc.St, Music (Dual)		<b>3</b>
<b>EDBL 4322</b> Tchng Math, Science, Art (Dual) (FR)		<b>3</b>
<b>EDBL 4355</b> Multicultural & Multilingual Edu		<b>3</b>
<b>EDED 4309</b> Trends in Education		<b>3</b>
<b>EDRG 4331</b> Rdg Assessment & Intervention		<b>3</b>
<b>EDFR 3120</b> Field Residency II		<b>1</b>
<b>Fifth Semester</b>		
<b>EDFR 4613</b> Student Teaching: Field Residency III		<b>6</b>

**SPED Endorsement Option:** In order to add the Special Education Supplement to certification areas prior to graduation a student must complete the following courses - EDSE 3348, EDSE 4340, EDSE 4346, EDSE 4347, EDSE 3347

**BS in Interdisciplinary Studies  
Generalist (EC-6)  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>42-43 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>	
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>	
<i>COMMUNICATION-ORAL</i>			
<b>SPCH 1311, 1315</b> Fundamentals of Speech		<b>3</b>	
<i>MATHEMATICS</i>			
<b>MATH 1314</b>		<b>3</b>	
<i>NATURAL SCIENCE</i>			
<b>Natural Science</b>		<b>3-4</b>	
<b>Natural Science</b>		<b>3-4</b>	
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Lit/Phil/Lang/Cultural Studies</b>		<b>3</b>	
<b>Visual/Performing Arts</b>		<b>3</b>	
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History		<b>3</b>	
<b>HIST 1302</b> American History		<b>3</b>	
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>	
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>	
<b>Social/Behavioral Science</b>		<b>3</b>	
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>		<b>3</b>	
<b>Support Courses</b>		<b>15 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<b>EDUC 1301/EDED 3370</b> Teaching as a Prof		<b>3</b>	
<b>EDUC 2301/EDED 3380</b> Intro to Special Pops		<b>3</b>	
<b>ADDITIONAL</b> Natural Science		<b>3-4</b>	
<b>MATH 1350</b> Fundamental of Math I		<b>3</b>	
<b>MATH 1351</b> Fundamentals of Math II		<b>3</b>	

Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDUC 1301, and EDUC 2301 all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

**122 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

<b>Professional Development Courses</b>		<b>65 Cr Hr</b>	
<i>"C" or higher required in EDXX courses</i>			
<b>First Semester</b>		<b>Grd</b>	<b>Cr Hr</b>
<b>EDED 3301</b> Principles of Learning			<b>3</b>
<b>EDEC 3303</b> Child Development			<b>3</b>
<b>EDRG 3315</b> Foundations of Early Lit Instruct			<b>3</b>
<b>EDSE 3345</b> Survey of Excep. Children			<b>3</b>
<b>HIST 4346</b> Texas History			<b>3</b>
<b>Second Semester</b>			
<i>***TPCC Admittance Required for 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Semester Courses***</i>			
<b>EDBL 3315</b> Second Lang. Acq. & Literacy			<b>3</b>
<b>EDED 3308</b> Methods of Ed. Media & Tech			<b>3</b>
<b>EDED 3349</b> SocStudies Methods EC-Elem			<b>3</b>
<b>EDED 4346</b> Science Methods EC-Elem.			<b>3</b>
<b>EDRG 3389</b> Tchng Rdg in INT & MID SCHL			<b>3</b>
<b>Third Semester</b>			
<b>EDEC 3349</b> Acad. Creativity & Play (FR)			<b>3</b>
<b>EDSE 3347</b> Behavior Mgmt for Except. Ind			<b>3</b>
<b>EDBL 3321</b> Methds for Teach. Eng.toNonEngSp			<b>3</b>
<b>EDED 4347</b> Math Methods EC-Elem (FR)			<b>3</b>
<b>EDED 3348</b> Classroom Manag. Elem. (FR)			<b>3</b>
<b>EDFR 3110</b> Field Lab Residency I			<b>1</b>
<b>Fourth Semester</b>			
<b>EDED 4301</b> Curriculum Across the Disc			<b>3</b>
<b>EDED 3347</b> English/Lang. Arts-Elem (FR)			<b>3</b>
<b>EDRG 4331</b> Rdg Assessment & Intervention			<b>3</b>
<b>EDED 4309</b> Trends in Education			<b>3</b>
<b>EDFR 3120</b> Field Lab Residency II			<b>1</b>
<b>Fifth Semester</b>			
<b>EDFR 4613</b> Student Teaching Field Residency III			<b>6</b>

**ESL Endorsement Option:** In order to add the ESL Supplement to certification areas prior to graduation a student must complete EDBL 3320 Tests and Measurement in BIL and ESL (additional 3 hours).

**SPED Endorsement Option:** In order to add the Special Education Supplement to certification areas prior to graduation a student must complete the following courses - EDSE 3348, EDSE 4340, EDSE 4346, EDSE 4347

**BS in Interdisciplinary Studies  
Generalist (4-8)  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>	<b>42-43 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>COMMUNICATION-ENGLISH</i>		
<b>ENGL 1301</b> Rhetoric and Composition I		3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp II		3
<i>COMMUNICATION-ORAL</i>		
<b>COMS 1311, 1313 or 1315</b>		3
<i>MATHEMATICS</i>		
<b>MATH 1314, College Algebra</b>		3
<i>NATURAL SCIENCE</i>		
<b>Natural Science</b>		3
<b>Natural Science (with our lab)</b>		4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>		
<b>Lit/Phil/Lang/Cultural Studies</b>		3
<b>Visual/Performing Arts</b>		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>HIST 1301</b> American History/US History I		3
<b>HIST 1302</b> American History /US History II		3
<b>POLS 2301</b> Govt & Politics of the U.S.		3
<b>POLS 2302</b> Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>		3
<i>GLOBAL LEARNING</i>		
<b>Global Learning</b>		3
<b>Support Courses</b>	<b>18 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<b>EDUC 1301/EDED 3370</b> Teaching as a Prof		3
<b>EDUC 2301/EDED 3380</b> Intro to Special Pops		3
<b>Natural Science</b>		3
<b>MATH 1350</b> Fundamental of Math I		3
<b>MATH 1351</b> Fundamentals of Math II		3
<b>GEOG 3331</b> United States & Canada		3

Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDUC 1301, and EDUC 2301 all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

**122 CREDIT HOURS REQUIRED FOR DEGREE**

**45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

**Highly Qualified:** In order to be Highly Qualified to teach a specific content area in grades 6-8, a student must complete a minimum of 24 content hours (12 of which must be upper level). Students need to see an Academic Advisor for recommended courses in one of the following areas Math, English Language Arts, Science, and Social Studies. (Course Listings Sheet)

<b>Professional Development Courses</b>	<b>62 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>
<i>"C" or higher required in EDXX courses</i>		
<b>First Semester</b>		
<b>EDED 3301</b> Principles of Learning		3
<b>EDED 3305</b> Dev. & Beh. of Adolescent		3
<b>EDSE 3345</b> Survey of Excep. Children		3
<b>HIST 4346</b> Texas History		3
<b>Second Semester</b>		
<i>***TPCC Admittance Required for 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Semester Courses***</i>		
<b>EDBL 3315</b> Second Lang. Acq. & Literacy		3
<b>EDSE 3347</b> Behavior Mgmt for Except. Ind		3
<b>EDED 3308</b> Methods of Ed. Media & Tech		3
<b>EDRG 3389</b> Reading in INT & MS SCH		3
<b>Third Semester</b>		
<b>EDBL 3321</b> Meth.Teach.Eng.toNonEngSp		3
<b>EDRG 3355</b> Teaching Rdg. Sec. Lvl		3
<b>EDED 4357</b> Math Methods MS/SEC. (FR)		3
<b>EDED 3358</b> Class Manag.MS/SEC (FR)		3
<b>EDED 4356</b> Science Methods MS/Sec(FR)		3
<b>EDFR 3110</b> Field Lab Residency I		1
<b>Fourth Semester</b>		
<b>EDED 3357</b> English/LangArtsMS/SEC (FR)		3
<b>EDED 4311</b> Curr & Learning Adolescents		3
<b>EDED 4309</b> Trends in Education		3
<b>EDRG 4331</b> Rdg. Assess. & Intervention		3
<b>EDED 3359</b> Soc.Stu.Methds MS/Se (FR)		3
<b>EDFR 3120</b> Field Lab Residency II		1
<b>Fifth Semester</b>		
<b>EDFR 4613</b> Student Teaching:Field Residency III		6

**SPED Endorsement Option:** In order to add the Special Education Supplement to certification areas prior to graduation a student must complete the following courses - EDSE 3348, EDSE 4340, EDSE 4346, EDSE 4347

**ESL Endorsement Option:** In order to add the ESL Supplement to certification areas prior to graduation a student must complete EDBL 3320 Tests and Measurements.



**BS in Interdisciplinary Studies  
Special Education (EC-12) with Dual Certification in Generalist (EC-6)  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>43 Cr Hr</b>	
		Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition			3
<b>ENGL 1302</b> Continuation of Rhetoric & Comp			3
<i>COMMUNICATION-ORAL</i>			
<b>SPCH 1311, 1315</b> Fundamentals of Speech			3
<i>MATHEMATICS</i>			
<b>MATH 1314</b>			3
<i>NATURAL SCIENCE</i>			
<b>Natural Science w/lab</b>			4
<b>Natural Science</b>			3
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Lit/Phil/Lang/Cultural Studies</b>			3
<b>Visual/Performing Arts</b>			3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History I			3
<b>HIST 1302</b> American History II			3
<b>POLS 2301</b> Govt & Politics of the U.S.			3
<b>POLS 2302</b> Govt & Politics of Texas			3
<b>Social/Behavioral Science</b>			3
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>			3
<b>Support Courses</b>		<b>15 Cr Hr</b>	
		Grd	Cr Hr
<b>ADDITIONAL</b> Natural Science			3
<b>MATH 1350</b> Fundamental of Math I			3
<b>MATH 1351</b> Fundamentals of Math II			3
Inst. Designated option			2
<b>EDUC 1301 or EDED 3370</b> Intro. to Teaching			3
<b>EDUC 2301 or EDED 3380</b> Intro to Spec Pops			3

Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDUC 1301, and EDUC 2301 all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

**129 CREDIT HOURS REQUIRED FOR DEGREE**  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

<b>Professional Development Courses</b>		<b>71 Cr Hr</b>	
<i>"C" or higher required in EDXX courses</i>			
<b>First Semester</b>		Grd	Cr Hr
<b>EDEC 3303</b> Child Development			3
<b>EDED 3308</b> Methods in Ed. Media & Tech			3
<b>EDRG 3315</b> Foundations of Early Literacy			3
<b>EDSE 3345</b> Survey of Exceptional Individual			3
<b>HIST 4346</b> Texas History			3
<b>***TPCC Admittance Required for 2<sup>nd</sup>, 3rd, 4th and 5th Semester Courses***</b>			
<b>Second Semester</b>			
<b>EDED 3349</b> Social Studies Methods EC/Elem			3
<b>EDED 4346</b> Science Methods EC/Elem			3
<b>EDRG 3389</b> Teaching Reading in INT & MID Sch			3
<b>EDSE 3346</b> Dev. of Exceptional Individuals			3
<b>EDSE 3347</b> Beh. Mgt. for Except. Learners			3
<b>EDBL 3321</b> Methods for Tch. Eng-Non-English			3
<b>Third Semester</b>			
<b>EDEC 3349</b> Acad, Creativity, Play (FR)			3
<b>EDED 3347</b> Eng/LAMth EC/Elem (FR)			3
<b>EDSE 3348</b> Ed Proc for Exceptional Students			3
<b>EDED 3348</b> Classroom Mgt. for EC-ELEM (FR)			3
<b>EDSE 4340</b> Collab & Transition Svcs Incl. Setting			3
<b>EDFR 3110</b> Field Residency I			1
<b>Fourth Semester</b>			
<b>EDED 4311</b> Curriculum & Learning for Adolescents			3
<b>EDED 4309</b> Trends in Education			3
<b>EDED 4347</b> Math Mthds EC/ELEM (FR)			3
<b>EDSE 4346</b> Assessment of Except Individual			3
<b>EDSE 4347</b> Federal & State Regulations			3
<b>EDFR 3120</b> Field Residency II			1
<b>Fifth Semester</b>			
<b>EDFR 4613</b> Student Teaching: Field Residency III			6

**ESL Endorsement Option:** In order to add the ESL Supplement to certification areas prior to graduation a student must complete and EDBL 3315 Second Language Acquisition and EDBL 3320 Tests and Measurement in BIL and ESL (additional 6 hours).

**BS in Interdisciplinary Studies**  
**Special Education (EC-12) with Dual Certification in Generalist (4-8)**  
**2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>43 Cr Hr</b>	
		Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b>	Rhetoric and Composition		3
<b>ENGL 1302</b>	Continuation of Rhetoric & Comp		3
<i>COMMUNICATION-ORAL</i>			
<b>SPCH 1311, 1315</b>	Fundamentals of Speech		3
<i>MATHEMATICS</i>			
<b>MATH 1314</b>			3
<i>NATURAL SCIENCE</i>			
	Natural Science w/lab		4
	Natural Science		3
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
	Lit/Phil/Lang/Cultural Studies		3
	Visual/Performing Arts		3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b>	American History I		3
<b>HIST 1302</b>	American History II		3
<b>POLS 2301</b>	Govt & Politics of the U.S.		3
<b>POLS 2302</b>	Govt & Politics of Texas		3
	Social/Behavioral Science		3
<i>GLOBAL LEARNING</i>			
	Global Learning		3
<b>Support Courses</b>		<b>15 Cr Hr</b>	
		Grd	Cr Hr
<b>ADDITIONAL</b>	Natural Science		3
<b>MATH 1350</b>	Fundamental of Math I		3
<b>MATH 1351</b>	Fundamentals of Math II		3
<b>EDUC 1301 or EDED 3370</b>	Intro to Teaching		3
<b>EDUC 2301 or EDED 3380</b>	Intro to Spec. Pops.		3

Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDUC 1301, and EDUC 2301 all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

**129 CREDIT HOURS REQUIRED FOR DEGREE**  
**45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE**  
**(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

**Highly Qualified:** In order to be Highly Qualified to teach a specific content area in grades 6-8, a student must complete a minimum of 24 content hours (12 of which must be upper level). Students need to see an Academic Advisor for recommended courses in one of the following areas Math, English Language Arts, Science, and Social Studies. (Course Listings Sheet)

<b>Professional Development Courses</b>		<b>71 Cr Hr</b>	
<i>"C" or higher required in EDXX courses</i>			
<b>First Semester</b>		Grd	Cr Hr
<b>EDEC 3303</b>	Child Development		3
<b>EDED 3308</b>	Methods in Ed. Media & Tech		3
<b>EDRG 3315</b>	Foundations of Early Literacy		3
<b>EDSE 3345</b>	Survey of Exceptional Individual		3
<b>HIST 4346</b>	Texas History		3
<b>***TPCC Admittance Required for 2<sup>nd</sup>, 3rd, 4th and 5th Semester Courses***</b>			
<b>Second Semester</b>			
<b>EDRG 3389</b>	Teaching Reading in INT & MS Sch		3
<b>EDSE 3346</b>	Dev. of Exceptional Individuals		3
<b>EDSE 3347</b>	Beh. Mgt for Except Learners		3
<b>EDSE 3348</b>	Ed. Proc for Exceptional Students		3
<b>EDSE 4340</b>	Collab.&Trans.Services Incl. Settings		3
<b>EDBL 3321</b>	Methods for Tch. English - Non Eng.		3
<b>Third Semester</b>			
<b>EDED 3357</b>	Eng/LAMth MS/Sec (FR)		3
<b>EDED 3358</b>	Classroom Mgt. for MS/Sec(FR)		3
<b>EDED 3359</b>	Social Studies Methods MS/Sec		3
<b>EDRG 3355</b>	Teaching Reading at the Sec Level		3
<b>EDSE 4346</b>	Assessment of Except Individual		3
<b>EDFR 3110</b>	Field Residency I		1
<b>Fourth Semester</b>			
<b>EDED 4311</b>	Curric & Learning for Adolescents		3
<b>EDED 4309</b>	Trends in Education		3
<b>EDED 4356</b>	Science Mthds MS/Sec (FR)		3
<b>EDED 4357</b>	Math Mthds MS/Sec (FR)		3
<b>EDSE 4347</b>	Federal & State Regulations		3
<b>EDFR 3120</b>	Field Residency II		1
<b>Fifth Semester</b>			
<b>EDFR 4613</b>	Student Teaching: Field Residency III		6

**ESL Endorsement Option:** In order to add the ESL Supplement to certification areas prior to graduation a student must complete and EDBL 3315 Second Language Acquisition and EDBL 3320 Tests and Measurement in BIL and ESL (additional 6 hours).

**BS in Interdisciplinary Studies**  
**Special Education (EC-12) with Dual Certification in Generalist (8-12)**  
**2012-2013 Degree Plan**

Registration for EDED, EDEC, EDBL, EDRG, EDSE, EDFE courses requires Admission to the Teacher Education Program: Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, EDUC 1301, and EDUC 2301 all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

<b>GENERAL EDUCATION COURSES</b>		<b>43 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition		3	
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3	
<i>COMMUNICATION-ORAL</i>			
<b>SPCH 1311, 1315</b> Fundamentals of Speech		3	
<i>MATHEMATICS</i>			
<b>MATH 1314</b>		3	
<i>NATURAL SCIENCE</i>			
<b>Natural Science w/lab</b>		4	
<b>Natural Science</b>		3	
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Lit/Phil/Lang/Cult Studies</b>		3	
<b>Visual/Performing Arts</b>		3	
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History (needs to be TX History)		3	
<b>HIST 1302</b> American History		3	
<b>POLS 2301</b> Govt & Politics of the U.S.		3	
<b>POLS 2302</b> Govt & Politics of Texas		3	
<b>Social/Behavioral Science</b>		3	
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>		3	
<b>Support Courses</b>		<b>14 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<b>MATH 1350</b> Fundamental of Math I		3	
<b>MATH 1351</b> Fundamentals of Math II		3	
Inst. Designated option		2	
<b>EDUC 1301 or EDED 3370</b> Intro to Teaching		3	
<b>EDUC 2301 or EDED 3380</b> Special Populations		3	

**128 CREDIT HOURS REQUIRED FOR DEGREE**  
**45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE**  
**(31 ADVANCED HOURS FROM TAMU-SA FOR RESIDENCY)**

**Highly Qualified:** In order to be Highly Qualified to teach a specific content area in grades 8-12 a student must complete a minimum 24 content hours (12 of which must be upper level). See Arts & Sciences advisors for additional information.

**ESL Endorsement Option:** In order to add the ESL Supplement to certification areas prior to graduation a student must complete and EDBL 3315 Second Language Acquisition, EDBL 3320 Tests and Measurement in BIL and ESL, and EDBL 3321 Methods for Teaching English to Non-English (additional 9 hours).

<b>Professional Development Courses</b>		<b>71 Cr Hr</b>	
<i>"C" or higher required in EDXX courses</i>			
<b>First Semester (15 Cr Hr)</b>		<b>Grd</b>	<b>Cr Hr</b>
<b>EDED 3305</b> Dev & Beh of Child/Adolescent			3
<b>EDSE 3345</b> Survey of Exceptional Children*			3
<b>EDSE 3315</b> Foundations of Early Lit Instruction			3
<b>XXXX XXXX</b> Content Area Course			3
<b>XXXX XXXX</b> Content Area Course			3
<b>***TPCC Admittance Required for 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Semester Courses***</b>			
<b>Second Semester (18 Cr Hr)</b>			
<b>EDRG 3389</b> Tchng Reading in INT & MID Schools			3
<b>EDSE 3346</b> Dev. of Exceptional Individuals*			3
<b>EDSE 3347</b> Beh Mgt for Except Learners*			3
<b>XXXX XXXX</b> Content Area Course			3
<b>XXXX XXXX</b> Content Area Course			3
<b>XXXX XXXX</b> Content Area Course			3
<b>Third Semester (15 Cr Hr + Field Residency I)</b>			
<b>EDED XXXX</b> Field Specific Methods (FR) *			3
<b>EDED 3358</b> Clsrm Mgt for MS/SEC (FR) *			3
<b>EDRG 3355</b> Teaching Reading at the Sec Level			3
<b>EDSE 3348</b> Ed Proc for Exceptional Students*			3
<b>XXXX XXXX</b> Content Area Course			3
<b>EDFR 3110</b> Field Residency I*			1
<b>Fourth Semester (Min 15 Cr Hr + Field Residency II)</b>			
<b>EDED 4309</b> Trends in Education			3
<b>EDED 4311</b> Curr & Learning of Adolescent Student*			3
<b>EDSE 4340</b> Collab & Transition Svcs in Incl*			3
<b>EDSE 4346</b> Assessment of Except Individual*			3
<b>EDSE 4347</b> Federal & State Regulations*			3
<b>EDFR 3120</b> Field Residency II*			1
<b>Fifth Semester (6 Cr Hr of Field Residency III)</b>			
<b>EDFR 4613</b> Student Teaching: Field Residency III			6

(\* ) denotes classes that must be taken prior to student teaching

**B.S. in Kinesiology  
Exercise Science/Pre-PT  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition		<b>3</b>	
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		<b>3</b>	
<i>COMMUNICATION-ORAL</i>			
<b>COMS 1311, 1313 or 1315</b>		<b>3</b>	
<i>MATHEMATICS</i>			
<b>MATH 1314</b> College Algebra		<b>3</b>	
<i>NATURAL SCIENCE</i>			
<b>CHEM 1411</b> General Chemistry I		<b>4</b>	
<b>CHEM 1412</b> General Chemistry II		<b>4</b>	
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Lit/Phil/Lang/Cultural Studies</b>		<b>3</b>	
<b>Visual/Performing Arts</b>		<b>3</b>	
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History		<b>3</b>	
<b>HIST 1302</b> American History		<b>3</b>	
<b>POLS 2301</b> Govt & Politics of the U.S.		<b>3</b>	
<b>POLS 2302</b> Govt & Politics of Texas		<b>3</b>	
<b>PSYC 2301</b> General Psychology		<b>3</b>	
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>		<b>3</b>	
<b>Support Courses</b>		<b>15-16 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<b>Fitness Activity</b>		<b>1</b>	
<b>EDKN 1238/1338</b> Concepts Fit. & Wellness		<b>2-3</b>	
<b>EDKN 1301</b> Foundations of Kinesiology		<b>3</b>	
<b>EDKN 1304</b> Personal/Community Health		<b>3</b>	
<b>KINE 1306</b> First Aid		<b>3</b>	
<b>BIOL 1322 or BIOL 1371</b> Nutrition		<b>3</b>	

123-124 CREDIT HOURS REQUIRED FOR DEGREE  
46 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

<b>Major Courses (Taken at TAMU-SA)</b>		<b>64 Cr Hr</b>	
<i>"C" or higher required in EDXX courses</i>			
<b>First Semester</b>		<b>Grd</b>	<b>Cr Hr</b>
<b>EDKN 3315</b> Functional Anatomy			<b>3</b>
<b>EDKN 3316</b> Medical Terminology			<b>3</b>
<b>EDKN 3445</b> Meas/Eval in Kinesiology			<b>4</b>
<b>Elective</b> (Choose Elective Options Below)			<b>3-4</b>
<b>Elective</b> (Choose Elective Options Below)			<b>3-4</b>
<b>Second Semester</b>			
<b>EDKN 3332</b> Prog. Dev/Mgmt of Fitness Industry			<b>3</b>
<b>EDKN 3426</b> Basic Phys of Exercise			<b>4</b>
<b>EDKN 4325</b> Biomechanics			<b>3</b>
<b>PSCY/SOCI 3381 or STAT 4301</b>			<b>3</b>
<b>Elective</b> (Choose Elective Options Below)			<b>3-4</b>
<b>Third Semester</b>			
<b>EDKN 3320</b> Motor Dev/Motor Learning			<b>3</b>
<b>EDKN 4334</b> Research Proj in Exercise Science			<b>3</b>
<b>EDKN 4328</b> Internship I			<b>3</b>
<b>EDHL 4344</b> Healthy Aging			<b>3</b>
<b>Elective</b> (Choose Elective Options Below)			<b>3</b>
<b>Elective</b> (Choose Elective Options Below)			<b>3-4</b>
<b>Fourth Semester</b>			
<b>EDKN 4324</b> Exer. & Chronic Disease/Disability			<b>3</b>
<b>EDKN 4401</b> Exercise Testing & Prescription			<b>4</b>
<b>EDKN 4417</b> Advanced Physiology of Exercise			<b>4</b>
<b>Elective</b> (Choose Elective Options Below)			<b>3-4</b>
<b>ELECTIVE COURSE OPTIONS for degree requirements: Choose 18 hrs. toward degree completion. The following are required or recommended for admission to most physical therapy programs.</b>		<b>18 Cr</b>	<b>Hrs.</b>
<b>Biology I</b>			<b>3</b>
<b>Biology II</b>			<b>3</b>
<b>Anatomy &amp; Physiology I</b>			<b>4</b>
<b>Anatomy &amp; Physiology II</b>			<b>4</b>
<b>Physics I</b>			<b>3</b>
<b>Physics II</b>			<b>3</b>
<b>Trigonometry</b>			<b>3</b>
<b>Computer Literacy</b>			<b>3</b>
<b>Technical Writing</b>			<b>3</b>
<b>Child Psychology* (2308, 4325, 4327)</b>			<b>3</b>

**B.S. in Kinesiology  
Exercise Science  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>44 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b> Rhetoric and Composition		3	
<b>ENGL 1302</b> Continuation of Rhetoric & Comp		3	
<i>COMMUNICATION-ORAL</i>			
<b>COMS 1311, 1313 or 1315</b>		3	
<i>MATHEMATICS</i>			
<b>MATH 1314</b> College Algebra		3	
<i>NATURAL SCIENCE</i>			
<b>BIOL 2401</b> Anatomy & Physiology I		4	
<b>BIOL 2402</b> Anatomy & Physiology II		4	
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Lit/Phil/Lang/Cultural Studies</b>		3	
<b>Visual/Performing Arts</b>		3	
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b> American History		3	
<b>HIST 1302</b> American History		3	
<b>POLS 2301</b> Govt & Politics of the U.S.		3	
<b>POLS 2302</b> Govt & Politics of Texas		3	
<b>PSYC 2301</b> General Psychology		3	
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>		3	
<b>Support Courses</b>		<b>15-16 Cr Hr</b>	
	<b>Grd</b>	<b>Cr Hr</b>	
<b>Fitness Activity</b>		1	
<b>EDKN 1238/1338</b> Concepts Fit. & Wellness		2-3	
<b>EDKN 1301</b> Foundations of Kinesiology		3	
<b>EDKN 1304</b> Personal/Community Health		3	
<b>KINE 1306</b> First Aid		3	
<b>BIOL 1322 or BIOL 1371</b> Nutrition		3	

123-124 CREDIT HOURS REQUIRED FOR DEGREE  
49 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)

<b>Major Courses (Taken at TAMU-SA)</b>		<b>49 Cr Hr</b>	
<i>"C" or higher required in EDXX courses</i>			
<b>First Semester</b>		<b>Grd</b>	<b>Cr Hr</b>
<b>EDKN 3315</b> Functional Anatomy			3
<b>EDKN 3316</b> Medical Terminology			3
<b>EDKN 3350</b> Kinesiology & Sport in Society			3
<b>EDKN 3445</b> Meas/Eval in Kinesiology			4
<b>Elective/Support</b> (Listed below)			
<b>Second Semester</b>			
<b>EDKN 3332</b> Prog Dev/Mgmt of Fitness Industr			3
<b>EDKN 3426</b> Basic Phys of Exercise			4
<b>EDKN 4325</b> Biomechanics			3
<b>EDKN 4342</b> Motor Skills Special Populations			3
<b>Elective/Support</b> (Listed below)			
<b>Third Semester</b>			
<b>EDKN 3320</b> Motor Dev/Motor Learning			3
<b>EDKN 4324</b> Exer & Chron Diseas/Disab			3
<b>EDKN 4328</b> Internship I			3
<b>EDHL 4344</b> Healthy Aging			3
<b>Elective/Support</b> (Listed below)			
<b>Fourth Semester</b>			
<b>EDKN 4334</b> Research Proj in Exerc Science			3
<b>EDKN 4401</b> Exercise Testing & Prescription			4
<b>EDKN 4417</b> Advanced Physiology of Exercise			4
<b>Elective/Support</b> (Listed below)			
<b>ELECTIVE COURSES/SUPPORT FIELD</b> with at least 6 advanced credit hours from (3000 to 4000 level courses)		15 Cr	Hrs.
		<b>Grd</b>	<b>Cr Hr</b>
<b>Elective</b>			
<b>Elective</b>			
<b>Elective</b>			
<b>Elective</b>			
<b>Elective</b>			

**B.S. in Kinesiology  
Physical Education (EC-12)  
2012-2013 Degree Plan**

<b>GENERAL EDUCATION COURSES</b>		<b>44 Cr Hr</b>	
		Grd	Cr Hr
<i>COMMUNICATION-ENGLISH</i>			
<b>ENGL 1301</b>	Rhetoric and Composition		3
<b>ENGL 1302</b>	Continuation of Rhetoric & Comp		3
<i>COMMUNICATION-ORAL</i>			
<b>COMS 1311, 1313 or 1315</b>			3
<i>MATHEMATICS</i>			
<b>MATH 1314</b>			3
<i>NATURAL SCIENCE</i>			
<b>BIOL 2401</b>			4
<b>BIOL 2402</b>			4
<i>HUMANITIES/VISUAL &amp; PERF ARTS</i>			
<b>Lit/Phil/Lang/Cultural Studies</b>			3
<b>Visual/Performing Arts</b>			3
<i>SOCIAL &amp; BEHAVIORAL SCIENCES</i>			
<b>HIST 1301</b>	American History		3
<b>HIST 1302</b>	American History		3
<b>POLS 2301</b>	Govt & Politics of the U.S.		3
<b>POLS 2302</b>	Govt & Politics of Texas		3
<b>Social/Behavioral Science</b>			3
<i>GLOBAL LEARNING</i>			
<b>Global Learning</b>			3
<b>Support Courses</b>		<b>18-19 Cr Hr</b>	
		Grd	Cr Hr
<b>EDKN 1121</b>	Swimming I		1
<b>EDKN 1119</b>	Beginning Rhythmic Activities		1
<b>EDKN 1238/1338</b>	Fitness and Wellness		3
<b>EDKN 1301</b>	Foundations of Kinesiology		3
<b>EDKN 1308</b>	Intramurals & Officiating		3
<b>EDKN 2110</b>	Lifelong Activities		1
<b>EDKN 2112</b>	Individual/Dual Sports		1
<b>EDHL 2224</b>	First Aid		3
<b>EDKN 2324</b>	Admin. of Sports Programs		3

Completion of 45 hours; ENGL 1301, ENGL 1302, MATH 1314, HIST 1301, HIST 1302, all with a C or better; Cumulative GPA of 2.5; Qualifying scores in Reading, Writing and Mathematics; and official degree plan on file.

**126 CREDIT HOURS REQUIRED FOR DEGREE  
45 ADVANCED CREDIT HOURS REQUIRED FOR DEGREE  
(25% ADVANCED HOURS FROM TAMUSA FOR RESIDENCY)**

**Highly Qualified:** In order to be Highly Qualified to teach a specific content area in secondary schools, a student must complete a minimum 24 content hours (12 of which must be upper level). Students need to see an Academic Advisor for recommended courses in one of the following areas Math, English Language Arts, Science, and Social Studies. (Course Listings Sheet)

<b>Professional Development Courses</b>		<b>64 Cr Hr</b>	
<i>"C" or higher required in EDXX courses</i>			
<b>First Semester</b>		Grd	Cr Hr
<b>EDKN 3315</b>	Functional Anatomy		3
<b>EDKN 3320</b>	Motor Dev/Motor Learning		3
<b>EDKN 3350</b>	Kinesiology & Sport in Society		3
<b>Support Field**</b>			3
<b>Support Field**</b>			3
<b>Second Semester</b>			
<b>EDED 3305</b>	Devel & Behavior of the Adol		3
<b>EDKN 3445</b>	Meas/Eval in Kinesiology		4
<b>EDKN 4342</b>	Motor Skills Special Pop		3
<b>Support Field**</b>			3
<b>Support Field**</b>			3
<b>Third Semester</b>			
<i>*TPCC Admittance Required for 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Semester Courses*</i>			
<b>EDKN 3311</b>	Group Management in Act (FR) *		3
<b>EDED 3358</b>	Classroom Mgt-Mid and Sec (FR) *		3
<b>EDKN 3426</b>	Basic Physiology of Exercise		4
<b>Support Field (ADV)**</b>			3
<b>EDFR3110</b>	Field Residency I *		0
<b>Fourth Semester</b>			
<b>EDKN 4316</b>	Complex Psychomotor Skills (FR) *		3
<b>EDED 4309</b>	Trends in Education *		3
<b>EDED 4311</b>	Curriculum and Learning-Adol. *		3
<b>Support Field (ADV)**</b>			3
<b>EDFR 3120</b>	Field Residency II *		0
<b>Fifth Semester</b>			
<b>EDFR 4623</b>	Student Teaching: Field Residency III*		6

\*\*Support Field Course should be from a common field (i.e., Math, Science, Language Arts, Social Studies, Special Education, Reading, etc.)

**SPED Endorsement Option:** In order to add the Special Education Supplement to certification areas prior to graduation a student must complete the following courses - EDSE 3348, EDSE 4340, EDSE 4346, EDSE 4347 (and EDSE 3347 if not on degree plan)

**ESL Endorsement Option:** In order to add the ESL Supplement to certification areas prior to graduation a student must complete EDBL 3320 Tests and Measurements, EDBL 3321 Methods of Teaching English to Non-English Speakers and EDBL 3315 Second Language Acquisitions. (9 Additional Hours)

## ACADEMIC REGULATIONS FOR GRADUATE STUDENTS

Students should review this section of the catalog entitled "Academic Regulations" for rules which apply to all graduate programs.

### **Registration**

The University has a computer-assisted registration system which allows students to register over the web. Web registration is available for eligible students only and requires academic advising prior to registration. Specific registration dates, instructions and information are provided on the University website.

### **Normal Course Load**

A full-time graduate student is one registered for 9 semester credit hours in a fall or spring semester, 3 semester credit hours in each summer term or 6 semester credit hours during a ten-week summer semester. No graduate student may enroll in more than 15 semester credit hours during the fall or spring semester or 6 semester credit hours in each summer term. Enrollment in Graduate Research Project 5305 or Thesis 5306 (proposal or defense) constitutes a full course load.

### **Schedule Changes**

#### ***Dropping a Course***

A course may be dropped by a student without approval from his/her academic adviser or other University official. It is highly recommended that a student consult his/her academic adviser because of the impact on financial aid, graduation, etc. After the on-line registration system is closed, all drops must be processed by the Office of the Registrar.

A student who, by dropping a course, becomes registered for less than a normal load will be reclassified as a part-time student.

If a student drops the only course for which enrolled, the student must follow the process for withdrawing from the University as stated below.

#### ***Adding a Course***

A course may be added by a student using the online registration system without approval of University officials, as long as departmental approval is not required. (See regulation for Normal Load.) It is highly recommended that a student consult with his/her academic adviser before attempting to add a course. After the online registration system is closed, written permission is required from the academic adviser and professor of the course being added to add the course. These requests must be processed by the Office of the Registrar. The student may only add classes during the time specified in the official academic calendar.

#### ***Withdrawal from the University***

If a student finds it necessary to withdraw during the session, the student must notify the Office of the Registrar and process a withdrawal form. If the withdrawal is before the mid-semester point, the student will receive an automatic grade of *Q* in each course. If the withdrawal is after the mid-semester point, the student will receive a grade of *Q* or *F*, depending on whether the student is passing or failing at the time of the withdrawal. If the student abandons the courses registered for without officially withdrawing, the student will receive a grade of *F* in each course, regardless of the time the student ceased to attend classes. (See also regulations entitled "Refund of Fees.")

### ***Withdrawal of Students Ordered to Military Active Duty***

If a current student is called to active duty, the student has several options for enrolled courses. The student must provide a copy of military orders to receive one of the following: 1) full refund of tuition and fees paid by the student for the semester in which the student withdraws; 2) with instructor approval, incomplete grade(s) for the semester in which the student withdraws; or 3) with instructor approval, assignment of an appropriate final grade(s) or credit(s). Upon the student's request, pre-registered classes will be dropped. If the student returns prior to the beginning of a semester he/she will be reinstated into this institution.

### **Visiting a Course**

Any person may request permission of the Provost and Vice President for Academic Affairs to visit a course. Individual instruction courses are not open to visitors. Visitors do not have the privilege of submitting papers, taking part in class discussions or participating in laboratory or field work. Visitors pay fees according to the published credit hour fee schedule, except that no additional fee will be required of a full-time student. A visitor's name will not be entered on the class rolls or permanent records. The notice of approval of a request to visit a course, properly receipted after fees are paid, will serve as a permit to attend a class.

## **Class Policies**

A student has the right to expect competent, well-organized instruction for the full number of clock hours allotted for a course; to sufficient written assignments, graded fairly and with reasonable promptness to show the student's academic standing in the course at least before mid-semester; to have ample opportunity to confer with the instructor at published office hours and to review graded written work; to freedom from ridicule, discrimination, harassment or accusations in the presence of other students or faculty members; and to an avenue for appealing to higher academic authority in case of alleged unfairness by an instructor.

### **Cheating and Plagiarism**

Students are expected to do their own course work. Simple cases of first offense cheating or plagiarism by an individual student may be handled by the instructor after consultation with the department chair. When the evidence is indisputable, the usual penalty is a grade of *F* on the particular paper or in the course. The student is usually confronted with the evidence in private and advised of the penalty to be assessed. The evidence will be retained for at least one full year.

Supervisors of graduate research projects and chairs of theses and dissertations have taken measures to ensure that the manuscripts are free of plagiarism.

For more serious cases, such as those involving repeated offenses, conspiracy with other students or the theft and selling of examination questions, a report should be made by the instructor via the department chair and division head to the provost and vice president for Academic Affairs for disciplinary action. Expulsion from the University is a normal penalty for such offenses.

Plagiarism is a serious violation of academic integrity, and students who engage in plagiarism are subject to disciplinary action. The type of disciplinary action will depend on the severity of the plagiarism but may ultimately lead to the student's expulsion from the program and/or revocation of a student's degree, if the student has already graduated.



Please review the Student Handbook for a complete description of the process:  
<http://www.tamusa.tamus.edu/studenthandbook.html>.

### **Class Attendance**

A vital part of every student's education is regular attendance of class meetings. Every faculty member is to keep 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 upon the request of a faculty member to the provost and vice president for Academic Affairs.

### **Absences for Religious Holidays**

The University will allow students who are absent from classes for the observance of a religious holy day to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence if, not later than the fifteenth day after the first day of the semester, that student has notified the instructor of each class to be missed. The instructor may appropriately respond if a student fails to complete the assignment or examination within a reasonable time after the absence.

### **Research on Human Subjects**

Research that involves human subjects must be approved by the Institutional Review Board for the Protection of Human Subjects.

### **Correspondence Work**

Correspondence courses are unacceptable for graduate credit.

### **Required Grades**

A minimum grade point average of 3.0 on a 4.0 scale is required in each program segment (major/supporting field/resource or graduate certification). Grades of *D* or *F* do not apply toward a graduate degree but are used to figure grade point averages. Courses may be repeated for credit, in which case the last grade of record is the official grade. Minimum grades required for stem work (assigned prerequisites) are noted on the initial degree plan and/or certification plan. Courses taken outside official program(s) are not subject to these grade requirements unless so specified by the program adviser on the degree plan.

To earn graduate credit for any undergraduate course authorized in the graduate catalog, the student must complete an extra assignment of graduate level quality that is not required of undergraduate students. Certification of this requirement shall be done by having the graduate student file a "Graduate Credit for Undergraduate Courses Form" with the graduate coordinator and the Director of Graduate Studies.

## **Grades**

Grades, with numerical values corresponding to these letters, are recorded as follows:

<i>A</i>	Excellent, 90-100.
<i>B</i>	Good, 80-89.
<i>C</i>	Average, 70-79.
<i>D</i>	Passing, 60-69.
<i>F</i>	Failure, below 60.

- I* Incomplete: given to a student who is passing but has not completed a term paper, examination or other required work. The instructor and the student are required to complete the standard University contract form for each course in which the temporary grade of *I* has been assigned. The grade of *I* will be used only to allow a student who has encountered some emergency such as illness or an accident an opportunity to complete the requirements for a course. A grade of *I* reverts to a grade of *F* one year from the close of semester/term in which the grade was originally recorded if the course requirements have not been satisfied.
- Q* Dropped: given when a student has officially dropped or withdrawn from the University before or on the mid-semester point as indicated on the official University calendar, regardless of student's standing in class. Also given after the mid-semester point to a student who is passing at the time the official drop is processed. (A student who is not passing receives the grade of *F* under such circumstances.)
- \* *IP* In Progress: used for graduate theses and dissertations. (Students must register every subsequent semester until the final grade is given.) In-progress (*IP*) grades remain indefinitely on a student's transcript and cannot be changed with a change-of-grade card.
- X* No grade posted by instructor: used to indicate that no grade was posted by the instructor teaching the course.
- CR/NC* Credit/Noncredit: used for courses that do not meet the normal or traditional framework of course scheduling and do not lend themselves to letter grading.

\*Students enrolled in the following courses must abide by the requirements below to be considered for financial aid on a full-time basis.

1. Students enrolled in the 5305 classes or in EDED 5329, EDCG 5329 or MGMT 5335 are required to be continuously enrolled every semester in the class until they receive a grade in the class. For each semester they are enrolled but do not complete the requirements, the student is given an IP (In Progress). Students will be allowed two IPs (long semester enrollments). If at the end of the second enrollment in the class, the student still has not completed the requirements, the student will be placed on FAS (Financial Aid Suspension).
2. Students enrolled in the 5306 Proposal stage of the thesis are required to be continuously enrolled every semester in the class until they receive a grade in the class. For each semester they are enrolled but do not complete the requirements, the student is given an IP (In Progress). Students will be allowed two IPs (long semester enrollments). If at the end of the second enrollment in the class, the student still has not completed the requirements, the student will be placed on FAS (Financial Aid Suspension).
3. Students enrolled in the 5306 Thesis stage of the thesis are required to be continuously enrolled every semester in the class until they receive a grade in the class. For each semester they are enrolled but do not complete the requirements, the student is given an IP (In Progress). Students will be allowed two IPs (long semester enrollments). If at the end of the second enrollment in the class, the student still has not completed the requirements, the student will be placed on FAS (Financial Aid Suspension).

Since summer sessions are considered by the Financial Aid Office to be used for clearing any deficiencies, IPs received during summer sessions will not be counted against the allowable number of IPs for Satisfactory Academic Progress requirements.

Students, who are placed on FAS because of the IPs, will have to submit an IP Appeal which will be evaluated by a committee made up of the Director of Graduate Studies, the Assistant Vice President for Enrollment Management and the respective department chair.

**In Progress (IP)**

If a student does not make satisfactory progress in the 5305/5306 courses or in EDED 5329, EDCG 5329 or MGMT 5335 during a given semester or term, the notation IN PROGRESS (IP) is given as a grade. The student must register for the same course again in a subsequent semester or term until the course is successfully completed. An IN PROGRESS notation in the 5305/5306 courses or in EDED 5329, EDCG 5329 or MGMT 5335 will remain *indefinitely* as *IP* on the student's transcript should the student's committee approve the student for a non-thesis degree program at some later date, or should the student not complete the degree. The *IP* cannot be changed with a change-of-grade form.

**Change of Grade**

After being reported to the Registrar, grades other than *I* may not be changed unless an error has been made by the instructor. Students should review their end of semester final grades closely to ensure their accuracy. If an error or discrepancy should occur, the student should contact the appropriate professor and/or the Office of the Registrar immediately for resolution. It is recommended that those changes occur no later than the beginning of the next semester. Under no circumstances will grades be changed after one calendar year.

**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 *Q*. 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.

Students who have received their first bachelor's degree from this institution cannot repeat courses that were used to earn the first degree for purposes of grade point average calculation.

It is the responsibility of the student, after repeating a course, to file a special request form in the Office of the Registrar, so that the adjustment in the grade point average, when applicable, can be entered on the permanent record.

**Repeated Grade Notation**

Repeated course(s) and grade(s) are not removed from the official or unofficial transcript. The repeated grade and grade points will be removed from the cumulative grade point average only. The repeated course will be identified with the letter —E| next to the quality points on the transcript. Repeating a course after graduation will not change the student's graduation grade point average.

**Scholastic Probation**

A graduate student pursuing a specific program is placed on scholastic probation if, at the end of either long semester or the second summer session, the cumulative grade point average of the student's graduate program falls below 3.0. If the probationary status is not removed during the next full semester for which the student enrolls (combined summer terms count as one full semester), the student must be reinstated before registering for further graduate work.

**Reinstatement**

The graduate student who is dismissed for any reason may request reinstatement through the Director of Graduate Studies. The student will be screened by the graduate directory in consultation with the graduate coordinator and program advisor from the academic area in which the student desired to study.

**Satisfactory Rate of Progress**

A graduate student must exhibit a normal and reasonable rate of scholastic progress. If, in the opinion of the student's committee and the graduate director, the student has made an unsatisfactory rate of progress, the student may be dismissed from a specific program, even with a grade record that falls within guidelines.

**Graduation with Honors**

Only students completing **undergraduate** degrees with superior overall academic records will be graduated with honors.

## **Student Records**

**Transcripts**

Students can request an official transcript through the Office of the Registrar or they can request an official copy through Jaguar Connect. A student must provide identification at the Office of the Registrar when picking up a copy of a transcript in person. The Family Educational Rights and Privacy Act of 1974, and amendments thereto, states that parents, spouse, legal guardian or others are not authorized to pick up transcripts of students unless written authorization by the student is provided.

**Holds**

All students, including continuing education students, should clear any holds they have on their records immediately. Failure to clear a hold causes delays and inconvenience when trying to obtain copies of transcripts through the mail or in person. Since a hold on the record may affect printing and mailing of grades at the end of the semester, students should be sure they do not have any holds before final examinations start. Students with a registration hold on their record will not be permitted to register.

**Change of Name, Address or Social Security Number**

Students who wish to change their name on their transcript must provide legal documentation of the change to the Office of the Registrar. Not advising the Office of the Registrar of a legal name change may cause transcript request and registration problems. Students who change their address should likewise notify the Office of the Registrar, Financial Aid or Business Office.

**Death of a Student**

The death of a currently enrolled student should be reported to the Office of the Registrar immediately. After confirming the death, the Office of the Registrar notifies the appropriate faculty and academic division head, closes all student records and codes the student information system to block mailings to the deceased.

## **GENERAL REQUIREMENTS FOR GRADUATION WITH A MASTER'S DEGREE**

Graduate degree candidates must obtain clearance and complete a Degree Candidacy form at the Graduate Studies Office. Clearance to graduate follows recommendation by the official graduate advisor(s) to the Director of Graduate Studies. Students may apply for candidacy with the graduate director six months in advance of the day of graduation by presenting a signed, final degree plan.

A master's degree may be earned by completing one of the four plans described below. Other master's degrees include the Master of Business Administration, Master of Public Accountancy, and the Master of Education (described under Education).

Research that involves human subjects must be approved by the Institutional Review Board for the Protection of Human Subjects.

### ***Plan I-A (with thesis, major and supporting field):***

1. Thirty semester hours of approved graduate courses, with 18 to 24 semester hours (including 6 hours of Thesis 5306 research) in a major subject area and 6 to 12 semester hours in a supporting field subject area are required. The supporting field may be divided between two subject areas, with 6 semester hours in each.
2. At least 24 of the 30 semester hours must be in graduate-level courses. No more than 3 semester hours of credit for special problems courses (other than the thesis courses) may be accepted. No credit extension or correspondence courses will be accepted.
3. A research thesis must be prepared under the direction of the professor in the major subject area who is also the student's program chair. A thesis proposal approved by the program chair must be completed for a grade to be assigned in the first 3 hours of Thesis 5306. A copy of the proposal is to be filed in the Graduate Studies Office. The thesis must be accepted by a committee consisting of the program chair, at least one other professor from the major area and one professor from the supporting field area (or one from each of the supporting field areas).
4. The student will make an oral defense of the thesis before the committee *no later than five weeks before commencement*.

### ***Plan I-B (with thesis and major):***

1. Thirty semester hours of approved graduate courses, with at least 24 semester hours (including 6 hours of Thesis 5306 research) in a major subject area are required.
2. At least 24 of the 30 semester hours must be in 5000-level courses. No more than 3 semester hours of credit for special problems courses (other than the thesis courses) may be accepted. No credit for extension or correspondence courses will be accepted.
3. A research thesis must be prepared under the direction of the professor in the major subject area who is the student's program chair. A thesis proposal approved by the program chair must be completed for a grade to be assigned in the first 3 hours of Thesis 5306. A copy of the proposal is to be filed in the Graduate Studies Office. The thesis must be accepted by a committee consisting of the program chair and at least two other professors from the major area.
4. The student will make an oral defense of the thesis before the committee *no later than five weeks before commencement*.

Thesis 5306 is used solely by Plan I students. The thesis requires 6 semester credit hours of grades, the first 3 semester credit hours consisting of a proposal and the last 3 semester credit hours consisting of a thesis. The student should be enrolled in 5306 during semesters or summer terms when the student is receiving supervision from the research advisor, thesis committee or is receiving a research stipend.

The student must be registered for the thesis course during the semester of graduation. A thesis proposal signed by the student and the thesis committee constitutes the minimum requirement for the student to receive a letter grade on the first three hours of thesis.

The final form of each research thesis must be approved by the graduate director for style, format and scholarly merit. Instructions concerning the form to be used and details to be followed in preparing the thesis may be obtained from the Graduate Studies Office. Five copies of the approved thesis must be filed with the graduate director at least three weeks before commencement. The student may have additional copies bound at extra cost.

In Progress (*IP*) grades are assigned in 5306 when appropriate until a letter grade is assigned. *IP* grades remain indefinitely on a student's transcript and cannot be changed with a change-of-grade card. Students must be actively enrolled in 5306 to receive the letter grade.

***Plan II (with major and supporting field):***

1. Thirty-six semester hours of approved graduate courses, with 21 to 24 semester hours in a major subject area and 12 to 15 semester hours in a supporting field subject area are required. The supporting field may be divided between two subject areas, with at least 6 semester hours in each.
2. At least 21 semester hours in the major subject area and at least 9 semester hours in the supporting field subject area must be in 5000-level courses. Without special permission from all members of the student's committee and the graduate director, no more than 6 semester hours of credit for special problems courses may be accepted. No more than 6 semester hours of credit for extension courses of this University may be accepted.
3. A research project, produced as a major assignment in a 3 hour 5000-level, research-titled course (which may be a special problems course) or Research Project 5305 in a major subject area, is required.

***Plan III (with major and resource areas):***

1. Thirty-six semester hours of approved graduate courses, with at least 24 hours in a major subject area. (This plan requires resource areas rather than supporting field subject areas. A resource area consists of no more than 6 semester hours of graduate credit in a concentrated area.)
2. At least 27 of the 36 semester hours must be 5000-level courses. Without special permission from the appropriate graduate coordinator and the graduate division, no more than 6 semester hours of credit for special problems courses may be accepted. No more than 6 semester hours of credit for extension courses offered by A&M-San Antonio may be accepted.
3. A research project, produced as a major assignment in a 3 hour 5000-level, research-titled course (which may be a special problems course) or Research Project 5305 in the major subject area, is required.

Research Project 5305 may be used for the selection, planning, and conduct of a research project to fulfill research requirements under Plan II and Plan III programs. The graduate research project requires a grade in 3 semester credit hours of 5305. The student should be enrolled in 5305 during semesters or summer terms when the student is receiving supervision from the research advisor, graduate research committee or is receiving a research stipend.

For Plan II, the graduate research project must be approved and signed by a committee consisting of the program chair, at least one other professor from the major area and one professor from the supporting field area (or one from each of the supporting field areas). For Plan III, the graduate research project must be approved and signed by the program chair. In both Plan II and Plan III, the graduate research projects must have the signature of the department chair. One copy of the approved research project will be placed in the student's file in the major department and a second copy will be submitted to the Director of Graduate Studies for final approval.

In Progress (*IP*) grades are assigned in 5305 when appropriate until a letter grade is assigned. *IP* grades remain indefinitely on a student's transcript and cannot be changed with a change-of-grade card. Students must be actively enrolled in 5305 to receive the letter grade. This also applies to EDED 5329, EDCG 5329 and MGMT 5335.

Students must be enrolled in the Thesis/Proposal 5306 courses or 5305 the semester or term when either of the documents is submitted to the Director of Graduate Studies for approval. Only after the director signs off on either of the documents may the professor post a grade.

### **Final Degree Plan**

Once a final degree plan has been submitted to the graduate office for candidacy check-out, the final degree plan cannot be changed during the semester of candidacy without the graduate director's review and written permission.

### **Shortened-format Classes**

Shortened-format classes are limited to a maximum of six semester hours of graduate credit that a student may use on a degree plan.

### **Comprehensive Examination(s)**

Each graduate student must demonstrate proficiency in the major subject (and supporting field area if it includes nine semester hours or more) by passing comprehensive examinations approved by the appropriate graduate coordinator(s) and administered by the student's program committee.

The comprehensive examination(s) and thesis defense should be completed no later than the first week of April (for May candidates), July (for August candidates), and November (for December graduates).

### **Required Component of all Graduate Curricula**

Each program recognized by the Graduate Studies Office must design the graduate curriculum so that it requires its students to analyze, explore, question, reconsider, and synthesize old and new knowledge and skills. The curriculum must be composed of discrete courses so as to provide the graduate student an education above and beyond that offered to undergraduate students. In this manner, the graduate curriculum will afford the depth of education, the specialized skills and the sense of creative independence that will allow the graduate student to practice in and contribute to a profession or field of scholarship.

### **Stacked Courses**

There must be a substantial difference between undergraduate and graduate instruction, and that graduate study must be at a level of complexity and generalization that extends the knowledge and intellectual maturity of graduate students. A limited number of 4000 level and 5000 level courses may be approved to be taught as stacked courses. The syllabus for the graduate course must indicate a higher level of complexity and have *different student learner outcomes*. (The latter requirement holds true for graduate students taking approved 4000 level courses for graduate credit.)

### **Residency Requirements**

The graduate student will comply with the residency policy established by the individual graduate program. Students may consult with the Director of Graduate Studies for additional information.

### **Registration**

Graduate students must be registered in thesis/project the semester of graduation.

### **Graduate Assistantships and Fellowships**

A Graduate Assistant must be enrolled as a full-time graduate student (9 credit hours during the long term and 3 credit hours during each summer session). If the graduate student drops below the full-time course load requirements, the assistantship may be terminated. The student may carry a maximum 6 hour teaching load in the long term and a maximum 3 hour teaching load each summer session as long as the combined hours of course load and teaching load do not exceed 15 hours in a long semester and 6 hours in each summer session. Graduate Teaching Assistants must have completed 18 semester hours of graduate course work in order to teach.

Graduate Fellowships/Scholarships require that the graduate student be enrolled for a minimum of three semester graduate credit hours during the long terms and each summer session.

#### **Course Longevity (Master's Degrees)**

A master's degree student must complete all requirements for each specific graduate degree within five years of initial registration for that degree. Graduate credits older than those stipulated are not applicable toward a graduate degree without written approval from the Director of Graduate Studies.

#### **Graduation Under a Particular Catalog**

Students receive a graduate degree when they satisfy the requirements of the first, or any subsequent catalog under which they earned credit for the degree, as long as that catalog is not more than five years old.

#### **Application for Degree**

Graduate degrees are conferred at the close of each regular semester and second summer session. Candidates for advanced degrees who expect to complete their work must first seek approval from their graduate advisor/coordinator. To apply for graduation, students must complete a Graduation application at the Welcome Center. It is the student's responsibility to be informed and meet graduation deadlines which are published in the Academic Calendar in an earlier section of this Catalog and in the Class Schedule each semester. A student cannot graduate with an "I," "IP" or "F" notation on their academic record in the last semester prior to graduation.

#### **Use of Official Name on Diploma**

Students applying for graduation must use their official name as listed on their permanent record in the Office of the Registrar. No nicknames or any other informal name will be allowed. All printed information, including diplomas, will list a student's official name. Students requesting a name other than their official name on their diploma must change their name on their permanent record.

#### **Graduation in Absentia**

Graduation in absentia will be permitted only under special conditions stated in writing and approved by the Provost and Vice President for Academic Affairs.

#### **Authorship and Copyright**

Students shall own the copyright on their theses. Primary authorship on manuscripts derived from a thesis or research project must be agreed upon in writing by the mentor and the student prior to submission for publication. Data collected in the process of research shall be the mutual property of all collaborators unless otherwise stated in writing. It is the responsibility of the mentor to be proactive in this particular case and file any letter or agreement on a timely basis with the Graduate Studies Office.

#### **Topic Courses vs. Special Problems Courses**

Selected topics courses are organized courses which are taught in a regular classroom environment and which meet regularly according to Texas Higher Education Coordinating Board approved contact hours per semester hour of credit. The primary modes of instruction of an organized class are lecture, laboratory, seminar or group television.

Special problems courses are independent study or individual instruction courses which may or may not meet regularly and which usually involve one-on-one professor-student contact. Library study and/or research data collection leading to research paper(s), a thesis or formal testing is the appropriate format for such courses.



## GRADUATE DEGREES AND MAJORS OFFERED

### *Degrees*

Master of Arts

Master of Business Administration

Master of Professional Accounting

Master of Education

Master of Science

### *Majors*

Bilingual Education, Counseling and Guidance, Educational  
Administration, English

Business Administration

Professional Accounting

Early Childhood, Special Education

Bilingual Education, English, Kinesiology, Reading Specialization

# SCHOOL OF ARTS & SCIENCES

## Graduate Programs

### ENGLISH

**Rebecca Brown, *Graduate Coordinator (English)***

**Main Campus Building, Room 333**

**(210)784-6282**

**Ann Bliss, *Graduate Faculty (English)***

**Main Campus Building, Room 332**

**(210)784-7891**

The School of Arts and Sciences offers a major in English for Plan I and Plan II leading to the Master of Science and Master of Arts degrees in English.

For English degrees, courses are offered in American literature, British literature, children's literature, gender studies, multi-ethnic literatures, and visual studies. Twelve semester hours of advanced English are required for admission. Students with fewer may be admitted on a conditional basis; stem work will then be required.

Core English courses include ENGL 5300, ENGL 5301, ENGL 5320, and ENGL 5360.

To earn graduate credit for any undergraduate course authorized in the graduate catalog, the student must complete an extra assignment of graduate level quality that is not required of undergraduate students. The following advanced courses have been approved by the Graduate Council and may be offered for graduate credit:

- ENGL 4312: Advanced Composition
- ENGL 4322: British Literature of the Middle Ages
- ENGL 4325: Literature of the British Renaissance.
- ENGL 4327: Restoration and Eighteenth-Century British Literature
- ENGL 4331: The Major Plays of Shakespeare
- ENGL 4341: Studies in the British Novel
- ENGL 4342: Romantic Literature
- ENGL 4344: Victorian Literature
- ENGL 4346: Twentieth-Century British Literature
- ENGL 4361: Studies in the American Novel
- ENGL 4365: Colonial and Nineteenth-Century American Literature
- ENGL 4366: Twentieth-Century American Literature
- ENGL 4375: Women's Literature
- ENGL 4370: Special Topics in Literature or Language
- ENGL 4384: Studies in Drama
- ENGL 4385: Multi-Ethnic Literatures
- ENGL 4395: Visual Studies

## SCHOOL OF BUSINESS

### Graduate Programs

**Dr. Tracy Hurley, *Head, School of Business, Graduate Coordinator***

**Dr. Syed Harun, *Department Chair***

**Cynthia Kinney-Lee, *Office Manager***

**Brooks City Base, Bldg. 775, School of Business Suite, Rooms E180–E194  
(210)784-2202**

Admission to any of the department's graduate programs requires a baccalaureate degree, adequate course work in the field of interest (or a plan to complete needed prerequisites) and **a satisfactory score on the GMAT**.

#### **Academic Advising**

Students should meet with their graduate academic advisor upon admission to their master's program. Students should meet with their graduate academic advisor on a regular basis to discuss their degree plan, scheduling of courses, if they have any questions or concerns.

#### **MASTER OF BUSINESS ADMINISTRATION (M.B.A.)**

The Master of Business Administration program (MBA) is designed to prepare students for executive management positions in business, government, and non-profit organizations. The MBA program requires a student to successfully complete 36 semester credit hours Plan III program of graduate business courses excluding any prerequisite requirements. Students who are deficient in business courses are required to successfully complete the graduate level foundation/stem courses before taking the corresponding MBA Core Course. The following courses are ACCT 5150 Foundations of Finance Accounting, ACCT 5151 Foundations of Managerial Accounting, ECON 5150 Foundations of Macroeconomics, ECON 5151 Foundations of Microeconomics, FINC 5150 Foundations of Finance, BUAD 5150 Foundations of Business Statistics, MGMT 5150 Foundations of Management, and MKTG 5150 Foundations of Marketing.

#### **MBA Degree Requirements**

The program consist of 24 semester credit hours of required MBA Core Courses and 12 semester credit hours of graduate business electives. A background in mathematics is sufficient to perform the required quantitative aspects of the program courses.

1. **Required MBA Core Courses (24 semester hours):** ACCT 5311. Seminar in Managerial Accounting; ECON 5329. Managerial Economics; FINC 5331. Managerial Finance; MGMT 5322. Seminar in Management; MGMT 5325. Management Science; CISA 5309 Computer Technology and Its Applications, and, MKTG 5361. Seminar in Marketing and MGMT 5335. Advanced Business Policy (must be taken at Texas A&M University-San Antonio as it satisfies the research component of Plan III programs).
2. **Elective Courses (12 semester hours):** any 53XX level course (excluding the foundation/stem courses and MBA Core Course) listed in the School of Business section of this catalog for which the student has the appropriate prerequisites. The MBA program allows students to choose their electives or pursue one of the following concentrations: Enterprise Resource Planning Systems, Finance, Healthcare Management, Human Resources Management, Information Assurance and Security, International Business, Project Management, and Supply Chain Management. The elective courses required for each concentration are listed below.

#### **M.B.A. Concentrations**

##### **Enterprise Resource Planning Systems**

This concentration allows students to gain knowledge of Enterprise Resource Planning Systems (ERP), Customer Relationship Management Systems (CRM), and Supply Chain Management Systems (SCM). The courses also integrate the use of the software SAP (Systems Applications and Products). In addition, it prepares them to work effectively in a collaborative team environment.

9 hours of required courses

Choose One: ACCT 5307 Accounting Information Systems OR CISA 5331 Enterprise Resource Planning System  
CISA 5332 Business Intelligence/Data Mining  
CISA 5334 Business Process Integration  
Choose One from the following list of courses  
CISA 5333/MGMT 5333 Supply Chain Integration  
CISA 5311/MGMT 5311 Project Management

**MBA Concentration Finance**

This concentration prepares students to work in the banking or financial industry.

3 hours of required courses

FINC 5336 Investment Analysis  
Choose three from the following list of courses:  
FINC 5341 Financial Markets and Institutions  
FINC 5342 International Financial Management  
FINC 5360 Financial Derivatives  
FINC 5362 Corporate Valuation and Strategy

**MBA Concentration Healthcare Management**

The Healthcare Management concentration prepares students to work in a healthcare setting utilizing specific skill sets that are unique to the healthcare industry. In addition, students will be exposed to the various aspects of the vast healthcare delivery system and work in a variety of administrative roles in healthcare

12 hours of required courses

MGMT 5361 Healthcare Management and Marketing  
MGMT 5362 Health Policy Analysis  
MGMT 5363 Health Insurance System  
MGMT 5364 Population Health & Epidemiology

**MBA Concentration Human Resources Management**

The Human Resources Management concentration focuses on knowledge areas critical to the effective leadership and optimization of human capital within the high performance enterprise.

12 hours of required courses

MGMT 5340 Organizational Development  
MGMT 5343 Performance Management  
MGMT 5344 Organizational Leadership  
MGMT 5346 Seminar in Human Resources

**MBA Concentration Information Assurance and Security**

The Information Assurance and Security concentration prepares students to advance their careers by mastering the critical concepts needed to protect computer systems and infrastructure.

3 hours of required courses

CISA 5321 Information Security

Choose three from the following list of courses

CISA 5322 Information Policy Assurance  
CISA 5323 Computer Forensics  
CISA 5324 Risk Analysis  
CISA 5325 Network Security

### **MBA Concentration International Business**

The International Business concentration enhances students' knowledge of the global business environment. In addition, it prepares students for working in the global business environment along with international positions by exposing them to theories in culture, understanding of financial systems, and other aspects important to international business. Students will also have an opportunity to experience a short term study abroad assignment in a foreign country.

#### 6 hours of required courses

ECON 5334 International Economics  
MGMT 5351 International Business Management

Choose two from the following list of courses; MGMT 5353 Business Study Abroad strongly recommended

ACCT 5337 International Accounting  
FINC 5342 International Financial Management  
MKTG 5363 International Marketing Management  
MGMT 5333 Supply Chain Integration  
MGMT 5353 Business Study Abroad

### **MBA Concentration Project Management**

The Project Management concentration is designed for students who seek to advance their careers by mastering the critical concepts needed to plan, implement, control and close projects.

#### 12 hours of required courses

CISA 5311/MGMT 5311 Project Management  
CISA 5312/MGMT 5312 Risk Management  
MGMT 5344 Organizational Leadership  
MGMT 5324 Total Quality & Lean Management

### **MBA Concentration Supply Chain Management**

The Supply Chain Management concentration involves the flow of various resources including products and service across not only organizational boundaries but also among functional areas of networked firms. In addition students are prepared for positions in quality assurance, purchasing, operations management, distribution and logistics.

#### 12 hours of required courses

MGMT 5333/CISA 5333 Supply Chain Integration  
MGMT 5311/CISA 5311 Project Management  
MGMT 5330 Purchasing & Supply Chain Management

Choose One from the following list of courses

MGMT 5355 Channel Distribution  
MGMT 5324 Total Quality and Lean Management

## **MASTER OF PROFESSIONAL ACCOUNTING (M.P.A)**

The Master of Professional Accounting (MPA) degree provides for graduate study in accounting. The goal of the program is to equip students with the knowledge and skills necessary for professional accountants to fill high-level positions in accounting firms and business enterprises. The degree requires the completion of 36 semester credit hours of graduate course work as a Plan III program.

### **Master of Professional Accounting Prerequisites**

These courses are required for students who are deficient in Accounting and Business courses. These courses must be completed in order to apply to the Master of Professional Accounting Program. For questions regarding these prerequisites, please speak with the graduate academic advisor in the School of Business.

ACCT 2301 Principles of Financial Accounting I  
ACCT 2302 Principles of Managerial Accounting II  
ACCT 3310 Intermediate Accounting I  
ACCT 3311 Intermediate Accounting II

ACCT 3312 Intermediate Accounting III  
ACCT 3314 Cost/Managerial Accounting  
ACCT 4307 Non-Profit and Governmental Accounting  
ACCT 3305 Fundamentals of Federal Income Tax  
ACCT 4311 Auditing  
ACCT 4314 Business Combinations  
ECON 2301 Principles of Macroeconomics  
ECON 2302 Principles of Microeconomics  
CISA 1301 Personal Computer Applications I  
CISA 1302 Personal Computer Applications II  
BLAW 3341 Business Law  
BLAW 4342 Business Law for Accountants  
BUAD 3355 Business Statistics  
FINC 3337 Business Finance  
MGMT 3320 Supply Chain & Operations Management  
MKTG 3361 Principles of Marketing  
BCOM 3304 Business Communications

**MPA Degree Requirements**

1. **Required Courses** (21 semester credit hours). ACCT 5307, Accounting Information Systems, ACCT 5314 Advanced Accounting Problems, ACCT 5316 Advanced Income Tax, ACCT 5327 Advanced Auditing, ACCT 5341 Advanced Cost/Managerial Accounting, CISA 5309 Computer Technology and Its Applications, and MGMT 5335 Advanced Business Policy (must be taken at Texas A&M University-San Antonio as it satisfies the research component of Plan III programs).
2. **Elective Courses** (15 semester credit hours). 9 semester of hours of graduate level accounting courses, and 6 semester credit hours of (non-accounting) graduate level business courses

## **SCHOOL OF EDUCATION AND KINESIOLOGY**

### **Graduate Programs**

**Dr. Eric López** School Head  
**Ms. Christine Moryl**, *Administrative Assistant III*  
Main Campus Building, Room 212  
(210)784-2501

The School of Education and Kinesiology offers graduate programs in Bilingual Education, Counseling and Guidance, Educational Administration, Kinesiology, Reading, and Special Education. Graduate programs lead to the Master of Arts, Master of Science, and Master of Education degrees.

The School of Education and Kinesiology is dedicated to preparing individuals to assume positions of responsibility and leadership in education. The School of Education is committed to serving an ethnically diverse population that comprises the University's student base and seeks to work cooperatively with area organizations in promoting quality education at all levels. The School of Education's goal is to prepare qualified personnel to meet the educational challenges of society with special emphasis on the needs of San Antonio and South Texas. Students are expected to meet the Code of Ethics and Standard Practices for Texas Educators and those of their specialty area(s).

Admission to any of the graduate programs requires a baccalaureate degree and adequate course work in the field of interest and a satisfactory score on the GRE Aptitude or MAT Test.

#### **DEPARTMENT OF CURRICULUM AND KINESIOLOGY**

**Dr. Samuel S. Garcia**, Department Chair  
**Ms. Ana Maria Hernandez**, *Administrative Assistant III*  
Main Campus Building, Room 222  
(210)784-2507

Faculty and staff are dedicated to enabling students to attain high academic, professional, and ethical standards that promote student achievement and lifelong learning. The programs prepare students to be successful in their professional careers by integrating technology, valuing diversity, and promoting authentic applications of knowledge. The College strives to offer the highest quality in teaching, research, and service

#### **MASTER OF ARTS or MASTER OF SCIENCE – BILINGUAL EDUCATION**

The Master of Arts or Master of Science in Bilingual Education program is designed to promote the professional development of school personnel involved in meeting the educational needs of culturally and linguistically diverse students. The program is open to teachers, administrators, counselors, supervisors, and other professionals interested in bilingual education. Courses are conveniently scheduled in the evenings or on Saturdays to accommodate the needs of persons working full-time. The department also offers courses leading to teacher certification. Those seeking a Master of Arts degree will need to take 4 additional foreign language courses.

Admission to the programs is open to anyone who meets the entrance requirements, regardless of ethnic background or national origin. Candidates who are concentrating in bilingual education must demonstrate proficiency in a second language.

#### **MASTER OF EDUCATION – EARLY CHILDHOOD**

The Early Childhood Program offers a master's degree in early childhood education. The program is designed to serve the professional development needs of educators and child care professionals by preparing them to serve a diverse population of early childhood students. The advanced study includes coursework on developmentally appropriate practices, experiential learning, child development theories and historical philosophies related to early childhood programs. Students will apply philosophical knowledge to classroom practice and be prepared to meet the cultural needs of young children in today's society. Furthermore, this program prepares early childhood professionals to critically analyze and respond to current challenges in the early childhood field of study. Students

graduating from this program will be informed professionals who will be advocates for young children and developmentally appropriate curricula.

### **MASTER OF SCIENCE – READING**

The graduate Reading program leads to a Master of Science degree in Reading with a Reading Specialist Standard (EC-12) certificate. The Master's program is designed to be especially useful in preventing reading difficulties and working with students having difficulties in learning to read. The program emphasizes utilizing assessment data to identify students' strengths, weaknesses, and other literacy needs, while providing appropriate instruction to meet his or her individual learning styles. Additionally, theoretical underpinnings, frameworks, and epistemological beliefs are showcased with intent to understand one's teaching practice and literacy understandings. The program results in a Master of Science degree and certification as a Reading Specialist by the Texas Education Agency after passing the Reading Specialist TExES exam (Note. Two years of successful teaching are required prior to receiving the Reading Specialist certificate). The Master of Science degree requires 36 graduate hours.

### **MASTER OF EDUCATION - SPECIAL EDUCATION**

The Special Education professional will be afforded various opportunities to work with students, their families, other professionals and the community to enable special needs students to become productive members of society. TAMU-SA offers a 36 hours Masters of Education degree in Special Education with a choice of three specialization areas: Assessment (Educational Diagnostician Certification), (Instructional Specialist Certification), and the Autism/Emotional Disturbed) focus. A "certificate only" plan is also available for professional educators who have a masters and wish to seek TEA certification as an Educational Diagnostician.

### **GRADUATE TEACHER CERTIFICATION PROGRAM (GTCP)**

The GTCP program is designed for individuals who hold a Bachelor's degree from an accredited institution and who are seeking certification under the teacher certification program. Areas of certification are EC-6, Bilingual Education, Special Education EC-12 and Reading. Students who are seeking graduate admission to the GTCP program can start the application process by signing on to <https://www.applytexas.org>. Additional resources can also be found on the TAMU-SA website under graduate program options [GRADUATE TEACHER CERTIFICATION PROGRAM \(GTCP\) APPLICATION FOR ADMISSION \(.pdf\)](#)

### **MASTER OF SCIENCE - KINESIOLOGY**

**Dr. John D. Smith, *Program Coordinator***  
**Brooks City Base, Bldg. 775, Room 107**  
**(210)784-2536**

The mission of the M.S. in Kinesiology program is to promote the study of health/fitness/wellness, sport administration, pedagogy, and exercise science through teaching, research, and service in health and kinesiology. The program seeks to advance the kinesiology disciplines through the discovery and dispersion of human movement-related knowledge. A critical aspect of these efforts is to provide students with the knowledge and skills for advanced study or careers in the health- and kinesiology-related fields, and develop graduates who are strong in character and lifelong learners.

Advanced study in health and kinesiology provides students an opportunity to improve their proficiency as master teachers or as exercise professionals, can prepare them to become administrators in their fields and/or can prepare them for doctoral studies in their kinesiology discipline of interest. The School of Education and Kinesiology offers coursework leading to the M.S. in Kinesiology with a flexible curriculum to meet the specific needs and interest of the student. The degree may be pursued under a 30-credit hour thesis program (Plans I-A or I-B) or a 36-credit hour program requiring a research project (Plans II and III). Plans I-A, II and III also afford students the opportunity to take coursework in a resource area(s) or supporting field. Students may pursue a kinesiology generalist degree or may choose to tailor their major elective, resource area(s), supporting field coursework and/or research so that their degree plan emphasizes sport administration/kinesiology pedagogy or health/exercise science.



## DEPARTMENT OF LEADERSHIP AND COUNSELING

**Dr. Albert Valadez, *Department Chair***  
**Ms. Melissa Been, *Administrative Assistant III***  
**Brooks City Base, Bldg. 775, Room 122**  
**(210)784-2521**

It is the goal of the Department of Leadership and Counseling to serve the needs of the San Antonio community and local school districts by developing highly skilled administrators, school counselors, and human services professionals. The department offers a Master of Arts in Counseling and Guidance and a Master of Arts in Educational Administration.

### **MASTER OF ARTS IN COUNSELING AND GUIDANCE.**

The Master of Arts degree (M.A.) in Counseling & Guidance requires thirty-six hours of counseling coursework and includes two tracks: School Counseling and Mental Health Counseling. The School Counseling track is designed specifically for students wishing to work in the public school setting; whereas the Mental Health Counseling track prepares students for employment in a wide variety of mental health and human services settings. Both 36-hour tracks allow for the addition of 12 hours of counseling coursework, thus providing students with the 48 hours of counseling coursework needed to meet the academic requirements for Licensed Professional Counselor (LPC) in the state of Texas.

### **PROGRAM ADMISSION REQUIREMENTS**

Students seeking admission to the program must meet the basic requirements outlined in the Admission section of this catalog. Applicants without an appropriate background may be required to complete additional preparatory coursework. Such coursework will be determined by the Program Coordinator.

### **DEGREE REQUIREMENTS**

Candidates for the Master of Arts degree in Counseling & Guidance must earn a minimum of 36 semester credit hours. Students must pass a comprehensive examination at the end of their formal coursework. Students who fail the comprehensive examination may be required to take additional coursework to address deficiencies prior to attempting a subsequent examination.

#### I. 36 semester credit hours of required coursework:

- EDCG 5310 Introduction to Counseling & Guidance (for students on the Mental Health track)  
OR EDCG 5316 Introduction to School Counseling (for students on the School Counseling track)
- EDCG 5311 Theories of Counseling
- EDCG 5315 Ethics and Legal Issues in Counseling
- EDCG 5317 Counseling Techniques
- EDCG 5324 Advanced Tests, Measurement & Evaluation
- EDCG 5327 Abnormal Human Behavior
- EDCG 5328 Group Counseling Techniques
- EDCG 5329 Educational Research
- EDCG 5335 Human Development Across the Lifespan
- EDCG 5348 Counseling Diverse Populations
- EDCG 5355 Materials and Techniques for Career, Vocational and Occupational Education.
- EDCG 5351 Field Practicum for School Counselors (for students on the School Counseling track)  
OR EDCG 5356 Field Practicum for Counselors (for students on the Mental Health track)

Students in both tracks may complete an additional 12 semester credit hours of counseling coursework to provide the required 48-hour academic requirement to apply for Licensed Professional Counselor (LPC) in the state of Texas. In completing the 12 semester credit hours of electives, students must complete one additional three - semester (3) credit hour course of EDCG 5356 Field Practicum for Counselors. Students can choose any nine semester credit hours of counseling electives to fulfill the remaining academic coursework in preparation for the

Licensed Professional Counselor (LPC) in the state of Texas.

## **PROGRAM POLICIES AND STANDARDS**

**The following policies are included in this bulletin for clarification purposes and apply to current and future students regardless of entry year.**

### **Fitness to Practice**

Admission to the program does not guarantee fitness to remain in the program. Only those students who meet program standards will be allowed to continue in the program. Students pursuing a Master of Arts degree in Counseling & Guidance must meet fitness to practice standards that are assessed by faculty throughout the program. These standards include demonstration of emotional and mental fitness in their interaction with others as well as conformance with codes of professional counseling associations and of the state of Texas. Students who fail to demonstrate fitness or conformance to appropriate codes may be asked to enter into a remediation plan in order to remain in the program. If a remediation plan is developed, students must demonstrate satisfactory remediation prior to being allowed to proceed toward graduation. In rare cases, a student's ability to practice may exceed remediation and a recommendation for removal from the program is possible.

### **Transferability of Courses**

Transfer courses are limited to six hours and subject to approval by the Department Chair and Director of Graduate Studies. Courses that include the demonstration of counseling skills will not be eligible for transfer credit. Courses previously used for one graduate degree will not be approved for transfer to a subsequent graduate degree. All requests for the transfer of courses must be made within the first semester of enrollment.

### **Course Load**

Normal course loads consist of 6-9 hours per semester with a minimum grade of "B" required for all skills courses (EDCG 5317, EDCG 5328, EDCG 5351, and EDCG 5356). Only two courses with a grade of "C" will be accepted toward this degree. Candidates for the Master of Arts degree in Counseling and Guidance must earn a minimum of 36 semester credit hours and maintain a minimum overall GPA of 3.0. Students must pass a comprehensive examination, administered during the final semester of coursework, as part of the requirements for graduation with the Master of Arts degree.

### **School Counselor Certification**

Eligibility for the standard Texas school counselor certificate requires that a candidate:

1. Successfully complete a school counselor preparation program;
2. Pass the school counselor certification exam (TExES-152 School Counselor Exam);
3. Hold a master's degree from an accredited institution of higher education; and
4. Document two years of classroom teaching experience in an accredited school.

In order to sit for the state exam, a candidate must meet academic competency requirements and receive approval to test from the program coordinator. Students wishing to register for the TExES School Counselor Exam will meet with the Counseling Program Coordinator at least four weeks prior to the TExES registration deadline.

### **Incompletes**

The spirit of the "Incomplete" is to give a student an opportunity to complete a course after the end of the semester.

An Incomplete will only be considered under specific circumstances:

1. 70% of the class has been completed and student is passing with a "C" or better
2. The circumstance for which the "I" is requested is supported with documentation
3. Student has been attending class on a regular basis

Incompletes are not to be used to remedy excessive absences. Unforeseen circumstances precipitating the request for an "I" should occur near the end of the semester. Students who are experiencing difficulties at the beginning or midway through the course should contact their professor immediately to discuss options. When a professor agrees to grant an "I", a contract between the student and professor that outlines a specific timeline for completion of the course will be generated. Topics such as highest possible grade will also be outlined. If the contract is not fulfilled, the professor will submit a change of grade form with earned letter grade. All "I"s will automatically revert to an "F" after one year.

### **Dropping a Course**

Each student is responsible for knowing the drop date for any given semester. Professors are not responsible, under any circumstances, for “dropping” a student from a course. Please be aware that if you do not formally drop a course and fail to fulfill the academic requirements, the professor will submit the earned grade.

### **Practicum Eligibility**

In order for a student to participate in a Counseling Practicum at Texas A&M University-San Antonio, the student must have demonstrated proficiency in benchmark assessments spaced throughout the Counseling Program. Additionally, all skill-level courses must have been successfully completed at Texas A&M University-San Antonio.

Prior to the semester in which a student wishes to enroll in Practicum, the student will meet with the Graduate Advisor to obtain the Admission to Practicum paperwork. Completed paperwork will be submitted to the Graduate Advisor for approval. The Graduate Advisor will assist all approved students with Practicum registration. Students must maintain the highest standards of professional behavior in order to continue enrollment in Practicum.

### **MASTER OF ARTS IN EDUCATIONAL ADMINISTRATION.**

The Educational Administration degree program is designed to meet the principalship certification requirements in the state of Texas. In addition, a superintendency program of 15 semester credit hours is available for practicing K-12 school administrators. It is estimated that the average length of time, which will be required to complete this Masters’ degree, will be 2 years. Some of the coursework will be offered online in a combination of face to face and hybrid coursework. We have found that this combination affords students the greatest amount of freedom and flexibility while also including face-to-face support, which results in highly skilled graduates.

### **PROGRAM ADMISSION REQUIREMENTS**

Students seeking admission to the program must meet the basic requirements outlined in the Admission section of this catalog. Students must have a valid Texas teaching certificate for entrance into the program. Applicants without an appropriate background may be required to complete additional preparatory coursework. Such coursework will be determined by the Program Coordinator.

### **DEGREE REQUIREMENTS**

Candidates for the Master of Arts degree in Educational Administration must earn a minimum of 36 semester credit hours. Students must pass a comprehensive examination toward the end of their formal coursework; students who fail the comprehensive examination should take other coursework to address any deficiencies before completing a subsequent examination.

- I. 27 semester credit hours of required coursework:
  - EDAD 5301 Behavioral and Organizational Foundation of Education
  - EDAD 5302 Elementary and Secondary Curricula
  - EDAD 5313 School Administration: Public School Finance
  - EDAD 5315 Administration of the Various Special Programs in Education
  - EDAD 5341 School Administration
  - EDAD 5342 Principalship — Elementary and Secondary Schools
  - EDAD 5345 Internship in School Administration
  - EDAD 5383 Public School Law
  - EDAD 5329 Educational Research (or equivalent per program coordinator approval)
  
- II. 9 semester credit hours in a cognate area. Choose three (3) courses from the following:
  - EDAD 5307 School Administration: Advanced Problems
  - EDAD 5312 Supervision: Advanced Problems
  - EDAD 5330 Multicultural Education for Educators
  - EDAD 5344 Supervision
  - EDAD 5382 School Public Relations

## **PROGRAM POLICIES AND STANDARDS**

**The following policies apply to current and future students regardless of year of entry. They are being included in this bulletin for clarification purposes.**

### **Transferability of Courses**

Transfer courses are limited to six hours and subject to approval by the Department Chair and Director of Graduate Studies. Courses that include the demonstration of counseling skills will not be eligible for transfer credit. Courses previously used for one graduate degree will not be approved for transfer to a subsequent graduate degree. All requests for the transfer of courses must be made within the first semester of enrollment.

### **Additional Policies and Standards**

Admission to the program does not guarantee fitness to remain in the program. Only those students who meet program standards will be allowed to continue in the program as decided by the Leadership program faculty. Fitness criteria include: The Texas Code of Ethics for Educators (TAC §247.2) and Texas A&M University-San Antonio Graduate Student Handbook Student Misconduct Standards (see Student Handbook).

Normal course loads consist of 6-9 hours per semester. Candidates for the Master of Arts degree in Educational Administration must earn a minimum of 36 semester credit hours and maintain a minimum overall GPA of 3.0. Students must pass a comprehensive examination, administered during the final semester of coursework, as part of the requirements for graduation with the Master of Science degree.

Successful completion of the program and passing the Texas Examinations of Educator Standards (TExES) can result in a recommendation to the State of Texas for principalship or superintendency certification.

Eligibility for the standard Texas Principal certificate requires that a candidate:

1. Successfully complete a principalship preparation program;
2. Pass the principal certification exam (TExES-068 Principal Exam);
3. Hold a master's degree from an accredited institution of higher education; and
4. Document two years of classroom teaching experience in an accredited school.
5. Hold a valid teaching certification in the state of Texas (TAC §241.15).

Eligibility for the standard Texas Superintendent certificate requires that a candidate:

1. Successfully complete a superintendent preparation program;
2. Pass the superintendent certification exam (TExES-064 Superintendent Exam);
3. Hold a master's degree from an accredited institution of higher education;
4. Document two years of classroom teaching experience in an accredited school; and
5. Hold a valid teaching certification in the state of Texas, as well as a valid principal certification in the State of Texas (TAC §242.15).

In order to sit for the state exam, a candidate must meet academic competency requirements and receive approval to test from the program coordinator (TAC §242.5).

### **Incompletes "I"**

The spirit of the "Incomplete" is to give a student an opportunity to complete a course after the end of the semester. An Incomplete will only be considered under specific circumstances:

1. 70% of the class has been completed and student is passing with a "C" or better
2. The circumstance for which the "I" is requested is supported with documentation
3. Student has been attending class on a regular basis

Incompletes are not to be used to remedy excessive missed classes. The unforeseen circumstances precipitating the request for an "I" should occur near the end of the semester. Students who are experiencing difficulties at the beginning or midway through the course should contact their professor immediately to discuss options. When a professor agrees to grant an "I", a contract between the student and professor that outlines a specific timeline for completion of the course will be generated. Topics such as highest possible grade will also be outlined. If contract is not fulfilled, the professor will submit a change of grade form with earned letter grade. All "I"s will automatically

revert to an “F” after one year.

**Dropping a Course**

Each student is responsible for knowing the drop dates for any given semester. Professors are not responsible, under any circumstances, for “dropping” a student from a course. Please be aware that if you do not formally drop a course, and failed to fulfill the academic requirements, the professor will submit the earned grade.

## FACULTY

- Allen, Mishaleen E., Assistant Professor of Special Education; B.S., M.S., M.Ed., Ph.D., Texas Woman's University.
- Balasubramanya, Mirley, Professor of Math and Head of the School of Arts & Sciences; M.S., Indian Institute of Technology; Ph.D., Iowa State University.
- Barker, Kimberly, Associate Professor of Curriculum and Instruction; B.S., Baylor University; B.A., M.A., Ed.D., University of Texas at San Antonio.
- Barrera, Gilbert, Lecturer in the School of Business; B.A., J.D., St. Mary's University; B.B.A., M.P.A., University of Texas at San Antonio.
- Blackburn-Harris, Shelley, Assistant Professor of Curriculum and Instruction; B.A., M.Ed., University of Texas at Arlington; Ph.D., University of North Texas.
- Bliss, Ann V., Assistant Professor of English; B.A., The University of California, Berkeley; M.A., California State University, East Bay; Ph.D., The University of California, Davis.
- Bohmann, Amy Kristine, Assistant Professor of Psychology; B.A., Texas Lutheran University; M.A., Ph.D., Texas Tech University.
- Bossey, Consuelo, Associate Professional Track in Curriculum and Instruction; B.A., Transylvania College; M.Ed., Ed.D., Texas A&M University-Commerce.
- Brantley, Brian C., Assistant Professor of Communications; B.A., M.A., University of Houston; Ph.D., University of Alabama.
- Brown, Rebecca Ayesha, Assistant Professor of English; B.A., University of Washington; M.A., Western Washington University; Ph.D., University of Florida.
- Bush, William Sebastian, Assistant Professor of History and Chair of the Department of Humanities and Social Sciences; B.A., University of New Orleans; M.A., University of Nevada, Las Vegas; Ph.D., The University of Texas at Austin.
- Calafiore, Pablo, Assistant Professor of Accounting; B.A., River Plate University-Argentina; MBA, Ph.D. University of Texas-Pan American
- Coleman, Richard Wayne, Professor of Marketing; B.S., University of Southern Mississippi; M.I.M., American Graduate School of International Management; D.B.A., Louisiana Tech University.
- Cook, Katrina D., Assistant Professor of Counseling; B.A., University of Texas at Austin; M.A., Ph.D., University of Texas San Antonio.
- Coulton, Gary F., Associate Professor of Psychology; B.A., University of New Mexico; M.A., Trinity University; Ph.D., Auburn University.
- Cox, Cody B., Assistant Professor of Psychology; B.A., Southwestern University; M.A., Wake Forest University; Ph.D., Rice University.
- Dorel, Theresa, Assistant Professor of Education; B.A., M.A., Our Lady of the Lake University; Ed.D., University of Texas San Antonio.
- Elam, Dennis Lee, Associate Professor of Accounting; B.B.A., M.B.A., Ph.D., The University of Texas at Austin.
- Elias, Vicky L., Lecturer of Sociology, B.A., M.S., Ph.D.(ABD), Oklahoma State University
- Frantzen, Durant, Assistant Professor of Criminology; B.S., M.S.C.J., Texas State University; Ph.D., Sam Houston State University.
- Garcia, Nancy C., Assistant Professor of Curriculum and Instruction; B.A., Texas State University; M.Ed., University of Texas at Brownsville; Ed.D., Texas A&M University-Kingsville.
- Garcia Jr., Remigio Lauro, Lecturer in Curriculum and Instruction; B.M., M.Ed., Texas State University; Ph.D., The University of Texas at Austin.
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- Garza, Esther V., Assistant Professor in Bilingual Education; B.S., Texas A&M University Corpus Christi; MA, Ph.D., The University of Texas at San Antonio
- Geneser, Pamela Vivien, Assistant Professor of Curriculum and Instruction; B.A., M.A., Ph.D., The University of Texas at Austin.
- Gillen, Katherine, Assistant Professor of English; B.A., University of Vermont; M.A., Ph.D., University of New Hampshire.
- Glaser, Daniel A., Associate Professor of Management; B.M., East Texas State University; M.B.A., Ph.D., University of North Texas.

Gray, Julie, Assistant Professor of Education; B.A., University of Alabama; M.Ed., University of Northern Florida; Ph.D., University of Alabama.

Green, Carolyn Wilson, Associate Professor of Computer Information Systems; B.A., Ph.D., University of Houston.

Green II, Richard, Assistant Professor of Accounting; B.S., Southwest Missouri State College; M.P.A., University of Missouri; Ph.D., St. Louis University.

Guardia, Adrian B., Lecturer in Management and Marketing; B.B.A., St. Mary's University; M.B.A., Ph.D., Our Lady of the Lake University.

Hackard, James Clifford, Assistant Professor of Finance; B.A., B.B.A., The University of Texas at Austin; M.B.A., University of Texas at San Antonio.

Harun, Syed, Associate Professor of Economics and Finance; B.S., University of Dhaka (Bangladesh); M.A., Ph.D., University of New Orleans.

Haskin, Stacey, Lecturer in the School of Education; B.A., University of Southern Mississippi; M.Ed., Concordia University-Austin.

Henrie, Kenneth M., Assistant Professor of Marketing; A.A., B.B.A., M.B.A, New Mexico State University; D.B.A., Argosy University

Herrington, David Earl, Professor of Educational Leadership; B.S., Abilene Christian University; M.Ed., Sul Ross State University; Ph.D., Texas A&M University.

Hewitt, Barbara A., Assistant Professor of Computer Information Systems; B.S., University of Texas at San Antonio; M.B.A., Texas State University; Ph.D., University of Texas San Antonio.

Holmes, Patricia, Associate Professor of Kinesiology; B.S., Missouri Southern State College; M.S., Pittsburg State University; Ph.D., Texas Woman's University.

Hurley, Tracy A., Associate Professor of Management and Head of the School of Business; B.B.A., M.B.A., Ph.D., University of Houston.

Huson, Mark Leslie, Assistant Professor of Computer Information Systems; B.S., University of Tulsa; M.S., University of Southern California; M.S., Air Force Institute of Technology; Ph.D., Arizona State University.

Jenkins, Richard Arthur, Lecturer in Business Communication; B.A., Texas A&M University; M.A., University of Texas at San Antonio.

Jozwiak, Melissa, Assistant Professor of Curriculum and Instruction; B.S., Youngstown State University; M.A., Ph.D., New Mexico State University.

Jurica, James, Associate Professor of Curriculum and Instruction; B.B.A., Ph.D., The University of Texas at Austin; M.Ed., University of Houston.

Kalmbach, Karen Christina, Assistant Professor of Psychology; B.A., M.A., York University; Ph.D., Sam Houston State University.

Kapavik, Robin, Associate Professor of Curriculum and Instruction; B.A., Ph.D., The University of Texas at Austin; M.S., Texas A&M University.

Kearney, Wowek Sean, Assistant Professor of Educational Leadership; B.A., The University of Texas at Austin; M.A., Dallas Theological Seminary; Ed.D., University of Texas San Antonio.

Kelsey, Cheryl L., Associate Professor of Educational Leadership; B.A., University of Central Oklahoma; M.A., Southern Nazarene University; Ed.D., Oral Roberts University.

Kendrick, Kevin H., Assistant Professor of Kinesiology; B.S., Aquinas College; M.S., Eastern Kentucky University; Ph.D., Texas Woman's University.

Lewis, Judy Dianne, Assistant Professor of Accounting; B.B.A., Stephen F. Austin State University; M.B.A., Texas A&M University; Ph.D., University of North Texas.

Li, Jingquan, Associate Professor of Computer Information Systems; B.E., Xi'an Jiaotong University (China); M.S., University of Toledo; Ph.D., University of Illinois at Urbana-Champaign.

Liu, Chin-Yen, Assistant Professor of the School of Business; B.B.A., I-Shou University, Taiwan; M.B.A., Texas State University; Ph.D., Texas Tech University.

Loalada, Stephanie, Lecturer in Psychology; B.A., M.S., University of Texas-San Antonio.

López, Eric, Professor of Education and Head of School of Education and Kinesiology; B.A., Texas A&M University; Ed.S., Ph.D., The University of Iowa.

Love, Leonard G., Assistant Professor of Management; B.A., M.B.A., Wright State University; Ph.D. University of Texas at Arlington

Massey, Pamela, Lecturer in the School of Education; B.A., M.A., University of Texas San Antonio; M.Ed., Our Lady of the Lake University.

Mayorga, Mary, Assistant Professor of Guidance and Counseling; B.A, Texas A&M University-Corpus Christi; M.Ed, Texas Southern University; Ph.D Texas A&M University- Corpus Christi

Moore, Jenny Hannah, Assistant Professional Track in Communications; B.A., The University of Texas at Austin; M.S., University of Oregon.

Mudge, Suzanne D., Associate Professor of Counseling; B.S., M.Ed., Lamar University; Ph.D., St. Mary's University.

Nolasco, Claire Angelique R. I, Assistant Professor of Criminology, B.A., J.D., University of the Philippines, LLM, Kyushu University, Japan; Ph.D., Sam Houston State University.

Peters, Scott W., Assistant Professor of Counseling; B.A., Northeastern Illinois University; M.Ed., Ph.D., University of Texas at San Antonio.

Phillips, Marianne; Assistant Professor of Curriculum and Instruction; B.S., The University of Texas at Austin; M.S., University of Houston-Clearlake; Ed.D., University of Houston.

Pittman, Ramona; Assistant Professor of Curriculum and Instruction; B.S., University of Southern Mississippi; M.Ed., William Carey University; Ph.D., Texas A&M University.

Porter, Amy Meschke, Assistant Professor of History; B.A., Austin College; M.A., Ph.D., Southern Methodist University.

Preston, Alan, Visiting Assistant Professor in the School of Business; B.A., University of Southwestern Louisiana; M.H.A., Sc.D., Tulane University.

Rahman, MD Sajjadur, Assistant Professor of Economics in the School of Business; B.S., Jahangirnagar University; M.A., McMaster University; Ph.D., University of Calgary.

Ramirez Jr., Enrique G., Lecturer in Management and Marketing; B.S., The University of Texas at Austin; M.M., Northwestern University.

Rock, Samuel, Visiting Assistant Professor in Psychology; B.A., Washington and Jefferson College; M.S., Ph.D., Pennsylvania State University.

Romo, John Gilbert, Assistant Professional Track in Mathematics; B.A., Trinity University; M.S., Ph.D., Oklahoma State University.

Siegal, Lisa Dawn, Lecturer of Marketing; B.A., University of Pennsylvania; M.B.A., New York University.

Smith, John Damien; Associate Professor of Kinesiology; B.S., University of Texas at San Antonio; M.S., Texas A&M University-Kingsville; Ph.D., Texas Woman's University.

Sorrell, Adrian, Associate Professor of Special Education; B.S., M.Ed., Ph.D., University of Texas at Austin

Sosa-Fey, Josephine, Associate Professor of Management and Director of Graduate Studies; B.A., M.B.A., Our Lady of the Lake University; D.B.A., Nova Southeastern University.

Snow, Brent M., Professor of Counseling and Psychology and Provost and Vice President for Academic Affairs; B.S., Brigham Young University; M.S., Oklahoma State University; Ph.D., University of Idaho.

Suthammanont, Christina M., Assistant Professor of Political Science; B.A., New York University; Ph.D., Texas A&M University.

Tatum, Charles, Lecturer in the School of Education; B.S., West Point Academy; M.S., Trinity University; Ph.D., St. Mary's University.

Tejeda, Armando, Lecturer in the School of Education; B.A., M.A., University of Texas San Antonio.

Thomas, Ernest, Lecturer in the School of Education; B.S., University of Maryland University College; M.B.A., Western New England College; M.Ed., Ph.D., Our Lady of the Lake University.

Torres-Raines, Rosario, Professor of Sociology; B.S., M.A., Ph.D., Texas Woman's University.

Valadez, Albert Adolph, Professor of Counseling; B.A., Texas A&M University; M.Ed., Texas State University; Ph.D., St. Mary's University.

Valdez-Barillas, Jose Rodolfo, Assistant Professor of Biology; B.S., University de Valle de Guatemala; M.S. Ph.D., Colorado State University.

Vera, Debbie Jean, Assistant Professor of Curriculum and Instruction; B.S., Oklahoma State University; M.S., Texas A&M University-Corpus Christi; Ph.D., Texas A&M University.

Vinaja, Bethuel Roberto, Assistant Professor of Management; B.S., University of Baja California; M.B.A., Texas Christian University; Ph.D., University of Texas at Arlington.

Voges, Kathleen E., Associate Professor of Management; B.B.A., M.B.A., Texas State University; Ph.D., University of Texas at Arlington.

Webb, Carolyn L, Assistant Professor of Curriculum & Instruction; B.A., Oklahoma State University; M.D., Ph.D., Texas A&M University-Corpus Christi.

Westermann, Edward B., Associate Professor of History; B.S. United States Air Force Academy; M.A., Florida State University; Ph.D., The University of North Carolina at Chapel Hill.

Wilson, Jennifer Clark, Assistant Professor of Curriculum and Instruction; B.S., M.Ed., Ph.D., The University of Texas at Austin.



Wise de Valdez, Megan R., Assistant Professor of Biology; B.S., M.S., University of Nebraska-Lincoln; Ph.D., Colorado State University.

Wu, Hsiao-Ping, Assistant Professor in the School of Education; B.B.A., Shih Chien University-Taipei, Taiwan; M.A., Ph.D., University of Texas San Antonio.

Young, Edith, Assistant Professor of the School of Education; B.A., University of Texas-Arlington; M.Ed., University of Texas-Brownsville; Ed.D., Texas A&M University-Kingsville.

## LIST OF COURSE PREFIXES

The following are the keys to the prefixes used with the course numbers:

ACCT	Accounting	EDHL	Health
BIOL	Biology	EDKN	Kinesiology
BCOM	Business Communications	EDRG	Reading
BLAW	Business Law	EDSE	Special Education
BUAD	Business Administration	EDSL	English as a Second Language
CHEM	Chemistry	ENGL	English
CISA	Computer Information Systems	FINC	Finance
COMJ	Communication-Journalism	GEOG	Geography
COMM	Communication	HIST	History
COMS	Communication-Speech	MATH	Mathematics
CRIM	Criminology	MGMT	Management
CSCI	Computer Science	MKTG	Marketing
ECON	Economics	MS	Military Science
EDAD	Educational Administration	POLS	Political Science
EDBL	Bilingual Education	PSYC	Psychology
EDCG	Counseling and Guidance	SOCI	Sociology
EDEC	Early Childhood	SPAN	Spanish
EDED	Education	STAT	Statistics
EDFR	Education Field Residency	WMST	Women's Studies

## COURSE DESCRIPTIONS

### ACCOUNTING (ACCT)

#### **3301. Accounting for Non-Accounting Majors. 3(3-0)**

This course approaches accounting from the point of view of a business manager. Emphasis is on the source, strengths, and limitations of financial accounting information as a support for the five functions of management, i.e. planning, organizing, staffing, directing, and controlling. The course culminates in the analysis of publicly available financial statements, using both vertical and horizontal analysis techniques. **This course is specifically designed for non-accounting majors. Prerequisites:** Successful completion of the business prerequisites. 3(3-0)

#### **3305. Fund of Federal Income Tax. 3(3-0)**

Analysis of Federal income tax laws, emphasis being placed on the determination of net taxable income and preparation of income tax returns for individuals. Special attention is given to accounting for sole proprietorships and single-owner disregarded entities. Students who complete the course will be able to accurately determine the appropriate income tax for affluent individual taxpayers. **Prerequisite:** ACCT 3301 or 3310.

#### **3310. Intermediate I. 3(3-0)**

This course provides an examination of the source and content of basic accounting theory from the point of view of the FASB Statements of Financial Accounting Concepts and Statements of Financial Accounting Standards. Special emphasis is placed on student understanding of complex accounting processes. Emphasis on the creation and use of general journal entries, end of period adjusting entries, completion of the accounting cycle and production of income statements, changes in owners' equity, statements of cash flows, and balance sheets. Special attention is paid to issues of the measurement and timing of revenues and expenses. This course may be completed by passing the Financial Accounting CLEP test with a minimum score of 80%. **Prerequisite:** Successful completion of the business prerequisites.

#### **3311. Intermediate Accounting II. 3(3-0)**

This course builds upon the concepts learned in ACCT 3310 Intermediate Accounting I providing an in depth understanding of the source and use of authoritative accounting pronouncements. The course provides an exhaustive study of the accounting for assets, with special emphasis on financial assets, including Notes Receivable and Bonds held as investments. Students will acquire practice in using the concept of the time value of money to determine the value of financial assets. The course also covers accounting principles for cash, receivables, inventories, plant assets and natural resources. **Prerequisite:** ACCT 3310 or a minimum score of 80% on the Financial Accounting CLEP test.

#### **3312. Intermediate Accounting III. 3(3-0)**

This course builds upon the concepts learned in ACCT 3310 Intermediate Accounting I (should be Intermediate II?) providing an in depth understanding of the source and use of authoritative accounting pronouncements. The course provides an exhaustive study of the accounting for liabilities and owners' equity. Special emphasis is given to the accounting principles for long-term liabilities, stockholders' equity, income taxes, pensions, leases and statement of cash flows. Students will acquire practice in using the concept of the time value of money to determine the value of leases and long-term liabilities. **Prerequisite:** ACCT 3310 or a minimum score of 80% on the Financial Accounting CLEP test. Grade of C or better in ACCT 3310 and ACCT 3311.

#### **3314. Cost/Managerial Accounting. 3(3-0)**

This course comprises an examination of the determination and allocation of costs to specific accounting entities, such as specific products, specific processes, specific tasks, business divisions, and business departments. Additionally, methods of determining the cost of specific business activities are studied. Methods are studied for using costing, especially activity-based costing (ABC), for the five purposes of management, e.g. planning, organizing, staffing, directing, and controlling. Special attention is given to methods for using accounting information for decision making, such as make or buy, outsourcing, project acceptance, and capital investment. **Prerequisites:** For Accounting Majors: Grade of C or better in ACCT 3310 and ACCT 3311; Non-Accounting Majors: Grade of C or better in ACCT 3301.

**3328. Internship in Accounting. V:1-3**

An off-campus learning experience allowing the application of accounting skills in an actual work setting. Will count towards the hours required for the CPA exam only if the internship requirements set by the State Board of Public Accountancy are met. Prerequisites: Grade of C or better in ACCT 3311 and ACCT 3312 and approval of a faculty coordinator, department chair, and the School of business head. Successful completion of the business prerequisites.

**4307. Accounting for Governmental and Nonprofit Entities. 3(3-0)**

This course provides a rigorous examination of the principles and practice of fund accounting applicable to governmental and nonprofit organizations. Special emphasis is given to an understanding of the source of authority and the pronouncements of the Governmental Accounting Standards Board (GASB). Secondary emphasis is given to the unique GAAP requirements of accounting for nonprofit organizations, hospitals and health care organizations, and educational institutions. **Prerequisites:** Senior Standing and Grade of C or better in ACCT 3310.

**4311. Auditing I. 3(3-0)**

This course is a detailed examination of auditing standards, professional ethics, legal liability, evidence, internal control and audit reports. Students will prepare an extensive audit case study during the course. Emphasis is given to the preparation of audit work papers and to appropriate audit reports. **Prerequisites:** ACCT 3312 and ACCT 3314. Grade of C or better in ACCT 3311 and ACCT 3312.

**4312. Auditing II. 3(3-0)**

This program extends the examination of the audit process studied in ACCT 4311. Emphasis is given to advanced audit topics including program planning and special reports. Secondary emphasis is given to statistical methods of determining audit risk, inherent risk, sample size, and statistical reliability. **Prerequisite:** ACCT 4311. Grade of C or better in ACCT 3310 and ACCT 3311.

**4314. Business Combinations. 3(3-0)**

This course comprises a detailed examination of advanced accounting topics, which culminates in students preparing consolidated financial statements for business combinations, mergers and consolidations, and investments in subsidiaries. Emphasis is given to the elimination of intercompany transactions and to the issues of consolidating the statements of complex entities which have indirect and mutual holdings in other corporations. **Prerequisite:** ACCT 3311 and ACCT 3312. Grade of C or better in ACCT 3310 and ACCT 3311.

**4315. Advanced Accounting Problems. 3(3-0)**

This course comprises a detailed examination of accounting for financial derivatives used as either speculative investments or as hedging instruments. Emphasis is given to issues of foreign currency transactions and to the translation or re-measurement of financial statements denominated in currencies other than the U.S. dollar. Secondary emphasis is given to the issues of accounting principles for partnerships, estates and trusts, debt restructuring, reorganizations and liquidations, interim financial reporting and segmentation. **Prerequisite:** ACCT 3311 and ACCT 3312. Grade of C or better in ACCT 3310 and ACCT 3311.

**4316. Accounting Theory. 3(3-0)**

This course examines the basis and development of GAAP. GAAP is then compared and contrasted to alternative accounting systems, such as fair value accounting, inflation-adjusted accounting, and cash-based accounting. Secondary emphasis is given to current research trends in accounting academia, including topics such as positive accounting theory, efficient market hypothesis, and the capital pricing model. **Prerequisite:** ACCT 3311 and ACCT 3312. Grade of C or better in ACCT 3310 and ACCT 3311.

**4317. Accounting Systems. 3(3-0)**

This course comprises an extensive examination of the principles and procedures of the design and installation of a computerized accounting system. Emphasis is given to the use of Enterprise Resource Management (ERM) systems with integrated accounting functions. Producing information useful for decision making and control is also studied in detail. Secondary emphasis is given to issues of imbedded audit procedures in CRM and dedicated accounting applications. **Prerequisites:** Grade of C or better in ACCT 3310 and ACCT 3311.

**4318. Advanced Income Tax Accounting. 3(3-0)**

This course comprises an examination of the taxation of corporations. Emphasis is given to the source, purpose, and effect of tax regulations applicable to partnerships and corporations. Students who complete this course will be able to accurately prepare Federal income tax returns for such businesses. Secondary emphasis is given to the application of the federal gift and estate tax. **Prerequisite:** Grade of C or better in ACCT 3310 and ACCT 3311.

**4319. Advanced Cost/Managerial Accounting. 3(3-0)**

This course comprises an extensive examination of the current state of managerial accounting with emphasis given activity based costing and planning (ABC). Students who complete this course will experience planning and control of cost elements, analysis of costs and profits and current topics in cost/managerial accounting. Students will also read and discuss current academic research in managerial accounting **Prerequisite:** Grade of C or better in ACCT 3310 and ACCT 3311.

**4391. Special Study in Accounting. 3(3-0)**

Study or research under supervision of instructor or small business audits. May be repeated once for credit.

**Prerequisite:** Consent of Instructor. Grade of C or better in ACCT 3310 and ACCT 3311.

**5150. Foundations of Financial Accounting. 1.5(1.5-0)**

An introduction to financial accounting principles and procedures for graduate students with limited background in accounting or business. The course will include the study of the measurement and reporting issues and their effect on revenue and expense recognition, equity, and other related items.

**5151. Foundations of Managerial Accounting. 1.5(1.5-0)**

An introduction to managerial accounting principles and procedures for graduate students with limited background in accounting or business. The course will include the study of managerial accounting issues, including enterprise planning and control. **Prerequisite:** ACCT 5150 or equivalent.

**5307. Accounting Information Systems. 3(3-0)**

Requirements, constraints, elements and considerations in design, implementation, auditing and housekeeping of accounting systems in relation to the total information systems for business decisions on a computerized data processing basis.

**5308. Accounting Ethics. 3(3-0)**

Application of ethical theory, philosophy and principles including the concepts of ethical reasoning, integrity, objectivity, independence and other core values.

**5311. Seminar in Managerial Accounting. 3(3-0)**

Introduction to managerial accounting as it is used to plan, evaluate and control an organization. Emphasis on budgeting, standard costing and analysis of costs and profits. **Prerequisite:** ACCT 5150 and ACCT 5151 or equivalent.

**5312. Seminar in Financial Accounting. 3(3-0)**

Theoretical structure of accounting, controversial and contemporary issues. Emphasis on the development of generally accepted accounting principles. **Prerequisites:** ACCT 3314 and ACCT 4314 or equivalent.

**5314. Advanced Accounting Problems. 3(3-0)**

Accounting principles for partnerships, estates and trusts, debt restructuring, reorganizations and liquidations, interim financial reporting and segmentation, foreign currency transactions and translation, leverage buyouts. **Prerequisite:** ACCT 3312 or equivalent.

**5316. Advanced Income Tax Problems. 3(3-0)**

Particular attention given to tax regulations applicable to partnerships and corporations together with preparation of federal income tax returns for such businesses. Consideration also given to federal gift and estate tax. **Prerequisite:** ACCT 4308 or equivalent.

**5319. Special Problems in Accounting. 3(3-0)**

Study, research or internship in accounting. May be repeated once for credit. **Prerequisite:** consent of instructor.

**5327. Advanced Auditing. 3(3-0)**

Audit program planning and special reports, auditing topics. Prerequisite: ACCT 4311 or equivalent.

**5337. International Accounting. 3(3-0)**

An overview of international accounting. A review of exchange rates and international economics. Examination of accounting practices in various countries, with emphasis on U.S.-based multinational corporations.

**5341. Advanced Cost/Managerial Accounting. 3(3-0)**

Planning and control of cost elements; analysis of costs and profits; and current topics in cost/managerial accounting. Prerequisite: ACCT 3314 or equivalent.

**5350. Internship in Accounting. V:1-3**

An off-campus learning experience allowing the application of accounting skills in an actual work setting. This course will count towards the hours required for the CPA exam only if the internship requirements set by the State Board of Public Accountancy are met. Prerequisites: approval of a faculty coordinator, department head, and school of business head

**BIOLOGY (BIOL)**

**3301. Evolutionary Theory. 3(3-0)**

A study of Darwinism, mechanisms of evolutionary change and a history of life in the context of contemporary biology. Prerequisite: BIOL 3402 or equivalent.

**3375. Economic Entomology. 3(3-0)**

The characteristics, life history and identification of insects important to man, with particular reference to agriculture and disease vectors. Stress will be on control measures for harmful species. Prerequisite: 12 semester hours of biology.

**3401. Invertebrate Zoology. 4(3-3)**

Classification, anatomy, life history and evolution of invertebrates exclusive of insects. Prerequisite: 12 semester hours of biology.

**3402. Genetics. 4(3-3)**

Fundamental concepts of heredity, including cell reproduction, transmission genetics, biochemistry of genetics, gene structure and function, and genetics of population. Lecture and laboratory/recitation meetings. Prerequisites: 12 semester hours of biology; 6 semester hours of chemistry recommended.

**3403. Plant Taxonomy. 4(3-3)**

An introductory course concerned with developing skill in recognition and identification of seed plants at the species and family levels. Emphasis will be placed on collection, use of keys and manuals and herbarium techniques.

Prerequisite: 12 semester hours of biology.

**3404. Biotechniques. 4(3-3)**

Focus on applications of modern molecular techniques that are used in biology. Technical report writing and computer skills will be emphasized. Prerequisite: freshman biology.

**3405. Vertebrate Zoology. 4(3-3)**

Anatomy, classification and natural history of the vertebrates; methods of collecting, preserving and identifying local vertebrates. Prerequisite: 12 semester hours of biology.

**3407. Ecology. 4(3-3)**

Ecology of water and land forms of South Texas. Prerequisite: 12 semester hours of biology.

**3408. Animal Physiology. 4(3-3)**

A study of the fundamental process of the animal systems. Prerequisites: 12 semester hours of biology and 6

semester hours of chemistry.

**3409. Field Biology I. 4(20-20)**

A study of the ecology and conservation of southern Texas flora and fauna. Prerequisite: 6 semester hours of biology.

**4102. Seminar. 1(1-0)**

Current biological literature with critical class analyses. Course may be repeated for credit. Prerequisite: 12 semester hours of biology.

**4105. Ecosystem Dynamics Field Laboratory. 1(1-0)**

Field experience in ecosystem analysis. Field studies will include techniques involved in the measurement of abiotic and biotic factors affecting local ecosystems including experimental design and analysis. Prerequisites: BIOL 3407 Ecology. Must have previously completed or be concurrently enrolled in BIOL 4305.

**4304. Research Projects in Biology. V:1-3**

An independent review of literature and a laboratory or field problem yielding a formal report on the research. Variable credit dependent upon the project. Prerequisite: advanced standing and prior approval of the problem by the supervising instructor.

**4305. Ecosystem Dynamics. 3(3-0)**

A study of the environmental processes that shape ecosystems. Lectures will focus on biotic and abiotic interactions in different ecosystems and how these are affected by geological processes, climate, weather, water, soil, and energy resources. Prerequisites: BIOL 3407 Ecology and 12 semester hours of biology.

**4355. Topics in Biology. 3(3-0)**

Lectures in selected topics. May be repeated for credit once under a different topic. Prerequisite: 12 semester hours of biology or equivalent.

**4401. Molecular Biology. 4(3-3)**

The application of modern molecular techniques to manipulate the replication and expression of genes. The laboratory will introduce basic and advanced molecular techniques. Prerequisites: 12 semester hours of biology and BIOL 3402.

**4402. Vertebrate Embryology. 4(2-4)**

Embryonic development of the frog, chick and pig. Prerequisite: 12 semester hours of biology.

**4406. Bacteriology. 4(3-3)**

Survey of medical, public health, water, sewage and milk bacteriology. Bacteriological technique is emphasized. Prerequisites: 12 semester hours of biology; 6 semester hours of chemistry recommended.

**4408. Immunology. 4(3-3)**

Fundamental concepts in Immunology covering molecular and cellular immunology as well as applied aspects. . Prerequisite: 12 semester hours of biology, including BIOL 4406; organic chemistry recommended.

**4410. Topics in Biology. 4(3-3)**

Lectures, literature investigation and research in selected topics. May be repeated for credit once under different topic. Prerequisite: 12 semester hours of biology or equivalent.

**4411. Plant Physiology. 4(3-3)**

The study of the physiological functions of vascular plants including water relations, photosynthesis, respiration, hormone synthesis. Prerequisites: 12 hours of biology including BIOL 1307/BIOL 1107.

**4412. Plant Growth and Development. 4(3-3)**

Study of the effects of various environmental and biological factors on germination, growth, enzyme production and nucleic composition of plants. Will use bioassays and techniques of enzymology, molecular biology and tissue

cultures. Prerequisites: 12 hours of Biology, including BIOL 1107, BIOL 1307; BIOL 4411 recommended

**4413. Non-flowering Plants. 4(3-3)**

The study of structure, physiological function, life cycles and the economical and biological importance of algae, bryophytes, lichens, ferns and gymnosperms. Prerequisites: 12 hours of biology including BIOL 1307/BIOL 1107.

**4425. Ornithology. 4(3-3)**

Classification, structures, physiology, natural history and field identification of birds. Prerequisite: 12 semester hours of biology.

**4426. Cellular Physiology. 4(3-3)**

Physiochemical function at the cellular level. Prerequisites: 12 semester hours of biology and CHEM 3323/3123, CHEM 3325/3125; PHYS 1301/1101 and PHYS 1302/1102 recommended.

**4427. Herpetology. 4(3-3)**

Classification, anatomy, life history and distribution of reptiles and amphibians with special emphasis on local forms. Prerequisite: 12 semester hours of biology.

**4429. Mammalogy. 4(3-3)**

Classification, distribution, life histories, economic importance, techniques of field study, methods of collection and preservation of mammals. Prerequisite: 12 semester hours of biology.

**4430. Parasitology. 4(3-3)**

Introduction to parasitism with special reference to human and other vertebrate hosts. Prerequisite: 12 semester hours of biology.

**4431. Ichthyology. 4(3-3)**

Classification, anatomy, life history and distribution of fishes, with special emphasis on local fresh water forms. Prerequisite: 12 semester hours of biology.

**BUSINESS COMMUNICATION (BCOM)**

**3304. Business Communication. 3(3-0)**

Principles of business communication through letters and reports. Clear, accurate and forceful writing; practical psychology; and business reports with implication for international business. Prerequisites: ENGL 1301 and ENGL 1302.

**BUSINESS LAW (BLAW)**

**3341. Business Law. 3(3-0)**

Historical background and role of law in business and society; general principles of the law of contracts, personal property, secured transactions, sales and commercial paper; the Uniform Commercial Code as adopted in Texas and other applicable Texas statutes.

**4342. Business Law for Accountants. 3(3-0)**

Sales and commercial paper; the Uniform Commercial Code in Texas; the law of agency; business organization formulation and dissolution; accountants' legal responsibility; federal securities regulation; insurance; suretyship; property; wills, estates and trusts. Prerequisite: BLAW 3341. Successful completion of the business prerequisites.

**4344. International Business Law. 3(3-0)**

Major business law topics and issues involved in international business transactions. Exporting-importing, licensing and direct foreign investment. Risks of international business trade including language, culture, currency, legal and political barriers. Prerequisite: BLAW 3341. Successful completion of the business prerequisites.

**BUSINESS ADMINISTRATION (BUAD)**



**3301. Quantitative Methods for Business. 3(3-0)**

This course is a comprehensive introduction to the concepts and applications of mathematics to commercial business problems. The course focuses on the quantitative and analytical methods in the context of practical business applications to enhance essential problem solving skills of business students. This course will expose students to the major business applications to be encountered in business courses through approaches that reinforce formulation, reasoning and interpretive problem solving skills essential to practical understanding of business concepts.

Prerequisite: Successful completion of the business prerequisites

**3311. Business & Society. 3(3-0)**

This course is designed to help explore common ethical dilemmas in business and to develop appropriate decision frameworks to deal with these issues. Topics include global action in ill-defined and contrasting ethical environments, corporate social responsibility, business and external stakeholder issues (e.g., responsiveness to customers, natural environment and sustainability, influence on public policy), and business and internal stakeholder issues (e.g., employee safety, diversity, affirmative action).

**3328. Internship in General Business. V:1-3**

An off-campus learning experience allowing the acquisition and application of General Business skills in an actual work setting. Prerequisites: approval of a faculty coordinator, the department chair, and the school of business head. Successful completion of the business prerequisites

**3355. Business Statistics. 3(3-0)**

This course is a comprehensive introduction to the concepts and applications of mathematics to commercial business problems. The course focuses on the quantitative and analytical methods in the context of practical business applications to enhance essential problem solving skills of business students. This course will expose students to the major business applications to be encountered in business courses through approaches that reinforce formulation, reasoning and interpretive problem solving skills essential to practical understanding of business concepts.

**Prerequisites:** Successful completion of BUAD 3301.

**5150. Foundations of Business Statistics. 1.5(1.5-0)**

An introduction to business statistics for graduate students with limited background in statistics or business. The course will include the study of statistical methods as applied to business and economic problem analysis including descriptive and inferential statistics.

**CHEMISTRY (CHEM)****3123. Organic Chemistry Laboratory I. 1(0-4)**

Introduction to laboratory practices and procedures in organic chemistry, with emphasis on hydrocarbon chemistry. Pre- or co-requisite: CHEM 3323.

**3125. Organic Chemistry Laboratory II. 1(0-4)**

Introduction to laboratory practices and procedures in organic chemistry, with emphasis on hydrocarbon chemistry. Pre- or co-requisite: CHEM 3325.

**3323. Organic Chemistry I. 3(3-0)**

Introduction to the important concepts and principles in the bonding and reactions of organic molecules, with intensive study of the chemistry of non-aromatic hydrocarbons. Prerequisites: CHEM 1312, CHEM 1112. To count for a major or minor in Chemistry, CHEM 3123 must also be taken.

**3325. Organic Chemistry II. 3(3-0)**

Continuation of CHEM 3323. An intensive study of the reactions and mechanisms of aromatic hydrocarbons and the main non-hydrocarbon functional groups. Prerequisites: CHEM 3323, CHEM 3123. To count for a major or minor in Chemistry, CHEM 3125 must also be taken.

**3451. Environmental Chemistry. 4(3-3)**

Sources and causes of land, water and air pollution; the methods of measurement and abatement. May not be counted as part of the minimum requirements for a major in chemistry. Prerequisites: CHEM 1112, CHEM 1312 and two additional 3- or 4-credit hour courses in either biology or geology or more advanced chemistry.

**4341. Biochemistry I. 3(3-0)**

Introduction to the important concepts, nomenclature and compounds of biochemistry with special emphasis on the chemical interpretation of the structures and function of biological macromolecules. Prerequisite: CHEM 3325.

**4342. Biochemistry II. 3(3-0)**

An introduction to the major biochemical cycles and pathways in living organisms, including reaction steps, regulation and mechanisms. Prerequisite: CHEM 4341.

COMPUTER INFORMATION SYSTEMS (CISA)

**3328. Internship in Computer Information Systems. V:1-3**

An off-campus learning experience allowing the acquisition and application of information technology skills in an actual work setting. Prerequisites: Approval of a faculty coordinator, the department chair, and the school of business head. Successful completion of the business prerequisites.

**3351. Database Design and SQL. 3(3-0)**

Basic database design and introduction to structured query language (SQL). Includes instruction on creating user interface forms for a database. Prerequisites: CISA 1310 and one other programming course. Successful completion of the business prerequisites.

**3354. COBOL Programming I. 3(3-0)**

Fundamentals and techniques of programming in the COBOL language including program design and structure, flow charting and documentation. Prerequisite: CISA 2302 or equivalent. Successful completion of the business prerequisites.

**3355. COBOL Programming II. 3(3-0)**

Refinement and expansion of programming competencies in the COBOL language including structured programming, sorting, merging, file systems and access methods. Prerequisite: CISA 3354. Successful completion of the business prerequisites.

**3356. Systems Analysis and Design. 3(3-0)**

Analysis and design techniques required for implementing medium to large-scale computer information systems. Development of requirements for personnel, software and equipment for typical applications. Prerequisites: 6 semester hours of Computer Information Systems or Computer Science, Successful completion of the business prerequisites.

**3358. Management Information Systems. 3(3-0)**

A comprehensive study of the use of information technology as an organizational resource, including the implementation of disciplined processes and management development to effectively exploit the power of modern information technology. This course is specifically designed for non-computer information systems majors.

**3364. Programming in Visual BASIC. 3(3-0)**

Fundamentals and techniques of programming for business applications using Visual BASIC. Prerequisite: CISA 1310. Successful completion of the business prerequisites.

**3367. Advanced Microcomputer Applications and Systems. 3(3-0)**

Study of advanced microcomputer hardware and software technologies having application in business administration. Prerequisite: CISA 2302 or equivalent. Successful completion of the business prerequisites.

**4301. Microcomputer Assembly Language Programming. 3(3-0)**

Theory, concepts and terminology required for competency in microcomputer assembly language programming including machine instructions; basic data types; addressing modes; arithmetic, logical and character string

operations; interrupts and I/O interfaces. Prerequisites: CISA 2302 or equivalent and one upper-division programming course. Successful completion of the business prerequisites.

**4302. Business Applications Using C++. 3(3-0)**

Concepts and applications of the C++ programming language for business and industry. Prerequisites: CISA 1310 along with one upper-division programming course. Successful completion of the business prerequisites.

**4303. Client/Server Application Development. 3(3-0)**

Client/Server application development practices and tools. Emphasis on developing distributed database applications that support the information processing needs of business. Topics include: object-oriented program design, programming with object-oriented development platforms and the use of embedded Structured Query Language for database transaction processing. Prerequisites: CISA 3351 and CISA 3354..Successful completion of the business prerequisites.

**4304. Database Administration. 3(3-0)**

File and database organization techniques. Network, hierarchical and relational data models. Normalization. Commercially available DBMS. Query languages. DBMS design and implementation. May be cross-listed with CSCI 4304.

**4305. Java Programming. 3(3-0)**

Concepts and applications of the Java programming language for business and industry. Prerequisites: CISA 1310 along with one upper-division programming course.

**4306. Telecommunications I. 3(3-0)**

Applications requiring telecommunications, internal and external influences on telecommunications systems and service providers, data transmission, standards and architectures, management of network design and operation, local area networks and future issues. Prerequisites: CISA 2302 or equivalent and one upper-division programming course. Successful completion of the business prerequisites.

**4308. Telecommunications II. 3(2-2)**

Installation, administration, interoperability and security issues associated with the implementation of typical business telecommunication systems. Prerequisite: CISA 4306. Successful completion of the business prerequisites.

**4311. Project Management. 3(3-0)**

This course examines the concepts, principles, and applications of project management in the business environment, including the study of project management procedures, project management tools, organizational structure, management of project team members, and the planning, organizing, and control activities necessary for good project. There will be an emphasis of information technology (IT) in the course lectures; however, projects do not have to include an IT component. Cross-listed with MGMT 4311. Prerequisite: Successful completion of the business prerequisites.

**4312. Project Risk Management. 3(3-0)**

This course is an overview of the basic components of risk as they pertain to technical projects. Topics include risk identification, risk impact analysis, risk response planning, mitigating risk, and risk management techniques. Cross-listed with MGMT 4312. Prerequisites: CISA/MGMT 4311. Successful completion of the business prerequisites.

**4321. Introduction to Information Security. 3(3-0)**

This course examines the concepts, principles, and applications of computer security in the business environment including Privacy, Information Security, and Critical Infrastructure. This course explores the knowledge and skills needed to ensure security of information and information systems within organizations. It focuses on concepts and methods associated with security across several systems platforms, including internal and Internet-based systems. The course utilizes a world view to examine critical infrastructure concepts as well as techniques for assessing risk associated with accidental and intentional breaches of security in a global network. It introduces the associated issues of ethical uses of information and of privacy considerations. Prerequisite: Successful completion of the business prerequisites.

**4322. Information Policy Assurance. 3(3-0)**

This course explores information security policies. The course includes both sociological and psychological issues in policy implementation in general, a dialogue on information security specific policies, the structure of a policy, and the lifecycle of policy from creation to enactment. The course also exposes the student to issue specific policies in different domains of security to assist the students learn in context of real life situations. Prerequisites: CISA 4321 or consent of instructor Successful completion of the business prerequisites.

**4323. Computer Forensics. 3(3-0)**

This course is an overview of the methods and tools utilized for collecting and preserving electronic digital evidence for the computer forensic process. Topics include the forensic examination, analysis, and report writing; and preparing for courtroom testimony about the forensic results. Prerequisites: CISA 4321 or consent of instructor. Successful completion of the business prerequisites.

**4324. Security Risk Analysis. 3(3-0)**

This course examines concepts of risk analysis, risks in engineered systems, environmental risks, security risks; methods of risk analysis, fault trees and event trees; quantification of probabilities, use of data, models, and expert judgments; risks and decisions, interlinking risk analysis with risk management; applications to homeland security decisions. Prerequisite: Successful completion of the business prerequisites.

**4325. Network Security. 3(3-0)**

The course explores mechanisms for protecting networks against attacks with an emphasis placed on network security applications for the Internet and corporate networks. The course also investigates various networking security standards and explores methods for enforcing and enhancing those standards. Prerequisite: CISA 4321 or consent of instructor. Successful completion of the business prerequisites.

**4331. Enterprise Resource Planning Systems. 3(3-0)**

This course examines the concepts, principles, and applications of Enterprise Resource Planning (ERP) systems. This course helps students understand the key processes of business organizations. It also improves the student's understanding of how key business processes are managed and integrated in enterprise level software used by large organizations. Cross-listed with ACCT 4317. Prerequisite: Successful completion of the business prerequisites.

**4332. Data Mining/Business Intelligence. 3(3-0)**

This course provides an integrative foundation in the field of business intelligence at the operational, tactical, and strategic levels. Topics such as value chain, customer service management, business process analysis and design, transaction processing systems, management information systems, and executive information systems will be covered, along with other topics relevant to the field of business intelligence. Prerequisites: Successful completion of the business prerequisites.

**4333. Supply Chain Integration. 3(3-0)**

Supply chain management is the successful cross-functional integration of key business processes from the original suppliers of products, services, and information through the firm to its customers and stakeholders with an emphasis on value-added benefits. This course emphasizes the use of information technology in the supply chain management process. Cross-listed with MGMT 4333. Prerequisites: Successful completion of the business prerequisites.

**4334. Business Process Integration. 3(3-0)**

This course provides a foundation for information system professionals who are often called upon to configure and integrate business processes. Information system professionals are often called upon to install and configure computer information systems including packages such as SAP. They must also demonstrate an understanding of how data is shared throughout the organization. This course helps students understand the key processes of business organizations. It also improves the student's understanding of how key business processes are managed and integrated in enterprise level software used by large organizations. Prerequisites: Successful completion of the business prerequisites.

**4358. Information Resources Management. 3(3-0)**

Planning, organizing and control activities required for effective information systems management. Prerequisite: CISA 3356 Successful completion of the business prerequisites.

**4359. Advanced Problems in Computer Information Systems. 3(3-0)**

Research in selected fields of computer information systems. Prerequisite: consent of instructor. May be repeated once for additional credit. Prerequisites: Successful completion of the business prerequisites.

**5309. Computer Technology and its Applications. 3(3-0)**

Study of computer hardware and software technology with emphasis on price versus performance issues and matching system capabilities to intermediate and advanced business applications.

**5310. Organization and Management of Business Databases. 3(3-0)**

A study of important issues in the design and implementation of databases for business enterprises with emphasis on the relational model. Study of non-relational database models such as object-oriented, hierarchical and network. Hands-on experience will be provided using a current relational database product. Prerequisite: CISA 5309 or permission of the instructor.

**5311. Project Management. 3(3-0)**

This course examines the concepts, principles, and applications of project management in the business environment, including the study of project management procedures, project management tools, organizational structure, management of project team members, and the planning, organizing, and control activities necessary for good project. Cross-listed with MGMT 5311.

**5312. Risk Management. 3(3-0)**

This course is an overview of the basic components of risk as they pertain to technical projects. Topics include risk identification, risk impact analysis, risk response planning, mitigating risk, and risk management techniques. Cross-listed with MGMT 5312. Prerequisite: CISA./MGMT 5311

**5320. Decision Support Systems. 3(3-0)**

A study of computer-based systems that support unstructured and semi-structured decision-making by individuals or groups. These systems include: decision support systems, group decision support systems, executive information systems and expert systems. Prerequisite: CISA 5309 or permission of the instructor.

**5321. Information Security. 3(3-0)**

This course examines the concepts, principles, and applications of computer security in the business environment including Privacy, Information Security, and Critical Infrastructure. This course explores the knowledge and skills needed to ensure security of information and information systems within organizations. It focuses on concepts and methods associated with security across several systems platforms, including internal and Internet-based systems. The course utilizes a world view to examine critical infrastructure concepts as well as techniques for assessing risk associated with accidental and intentional breaches of security in a global network. It introduces the associated issues of ethical uses of information and of privacy considerations.

**5322. Information Policy Assurance. 3(3-0)**

This course explores information security policies. The course includes both sociological and psychological issues in policy implementation in general, a dialogue on information security specific policies, the structure of a policy, and the lifecycle of policy from creation to enactment. The course also exposes the student to issue specific policies in different domains of security to assist the students learn in context of real life situations. Prerequisite: CISA 5321 or consent of instructor.

**5323. Computer Forensics. 3(3-0)**

This course is an overview of the methods and tools utilized for collecting and preserving electronic digital evidence for the computer forensic process. Topics include the forensic examination, analysis, and report writing; and preparing for courtroom testimony about the forensic results. Prerequisite: CISA 5321 or consent of instructor.

**5324. Risk Analysis. 3(3-0)**

This course examines concepts of risk analysis, risks in engineered systems, environmental risks, security risks; methods of risk analysis, fault trees and event trees; quantification of probabilities, use of data, models, and expert judgments; risks and decisions, interlinking risk analysis with risk management; applications to homeland security

decisions. Prerequisite: CISA 5321 or consent of instructor.

**5325. Network Security. 3(3-0)**

The course explores mechanisms for protecting networks against attacks with an emphasis placed on network security applications for the Internet and corporate networks. The course also investigates various networking security standards and explores methods for enforcing and enhancing those standards. Prerequisite: CISA 5321 or consent of instructor.

**5330. Telecommunications. 3(3-0)**

A study of concepts, principles and technologies allowing the integration of information and telecommunications systems to support the internal and external activities of business enterprises. Prerequisite: CISA 5309 or permission of the instructor.

**5331. Enterprise Resource Planning Systems. 3(3-0)**

This course examines the concepts, principles, and applications of Enterprise Resource Planning (ERP) systems. This course helps students understand the key processes of business organizations. It also improves the student's understanding of how key business processes are managed and integrated in enterprise level software used by large organizations. Cross-listed with ACCT 5307.

**5332. Data Mining/Business Intelligence. 3(3-0)**

This course provides an integrative foundation in the field of business intelligence at the operational, tactical, and strategic levels. Topics such as value chain, customer service management, business process analysis and design, transaction processing systems, management information systems, and executive information systems will be covered, along with other topics relevant to the field of business intelligence. Prerequisite: CISA 5331

**5333. Supply Chain Integration. 3(3-0)**

Supply chain management is the successful cross-functional integration of key business processes from the original suppliers of products, services, and information through the firm to its customers and stakeholders with an emphasis on value-added benefits. This course emphasizes the use of information technology in the supply chain management process. Cross-listed with MGMT 5333. Prerequisite: CISA 5331 or consent of instructor

**5334. Business Process Integration. 3(3-0)**

The course provides a foundation for information system professionals who are often called upon to configure and integrate business processes. Information system professionals are often called upon to install and configure computer information systems including packages such as SAP. They must also demonstrate an understanding of how data is shared throughout the organization. This course helps students understand the key processes of business organizations. It also improves the student's understanding of how key business processes are managed and integrated in enterprise level software used by large organizations. Prerequisite: CISA 5331 or consent of instructor.

**5340. Systems Analysis, Design and Implementation. 3(3-0)**

A study of systems analysis, design and implementation techniques that can be used to analyze and improve or create organizational information and communications systems. Prerequisite: 9 credit hours of graduate level courses in CISA or computer science or permission of the instructor.

**5359. Special Problems in Computer Information Systems. 3(3-0)**

Study, research or internship in CISA. May be repeated once for credit. Prerequisite: consent of instructor.

**COMMUNICATION – JOURNALISM (COMJ)**

**3302. Interviewing. 3(3-0)**

Many individuals seek information through the interview. Differing from conversation, interviewing is a purposeful, planned form of interpersonal communication. In this course, both theory and application of skills are emphasized, the premise of the class being that interviewing is an art as well as a skill that one can learn to use well.

**3304. Feature and Special Articles. 3(3-0)**

Identifying and developing feature story ideas. Reporting and writing feature articles and arranging appropriate

pictures for publication in newspapers or periodicals. Emphasis on training students in identifying markets for nonfiction writing. Prerequisite: junior standing.

**3311. Publication Design and Production. 3(3-0)**

This course introduces the student to the principles governing page layout and the design of publications. Topics covered include the basic principles of effective typography; the use of grids; integration of graphics and photos into publications; basic information design principles, working with spot, process color and separations, principles of page assembly and other methodologies to design and produce a variety of single- and multi-page publications.

**3321. Principles of Advertising. 3(3-0)**

Advertising writing, layout, typography and art work. Advertising campaigns, selling, practice exercises and advertising work for publication.

**3327. Photojournalism I. 3(3-0)**

This course teaches the basics of digital news photography. Other than teaching students how to operate digital cameras and process digital photos, this course will present the problems and practices of photography for newspapers, magazines and the Internet. Students will be introduced to the important role of photojournalism in the society and learn how to produce different categories of photojournalism that apply to news reporting through reading, class discussion, and practicing.

**4301. History of Journalism. 3(3-0)**

Development of the newspaper in England and the United States with attention to the social, economic and political forces which brought about changes in journalistic techniques and in basic ideas as to newspaper functions. Study of the careers of noted journalists.

**4302. Editorial Writing. 3(3-0)**

Purpose and style of editorial comment. Editorial page editing. Prerequisite: junior standing.

**4322. Public Relations. 3(3-0)**

Principles of public relations and their application in business, industry, education, government, social agencies and other institutions; the media of public relations; research methods used in public relations; journalistic implications of the public relations process. Case studies and analysis. Practice in public relations planning and writing.

**4323. Public Relations Strategies. 3(3-0)**

Public Relations Strategies introduces students to the strategic planning process involved in putting together and coordinating organizational public relations efforts. In this course, students will learn what is involved in developing, implementing and evaluating public relations strategies. The course provides insights on understanding an organization's internal and external environment as well as identifying and addressing public relations situations that emerge in these environments. Prerequisite: COMJ 4322.

**4327. Photojournalism II. 3(3-0)**

This ADVANCED course presents the problems and practices of photography for newspapers. It includes instruction on camera and equipment operation and maintenance, and digital photo darkroom processing for printing media. The emphasis is on journalistic communication through photographs. This class provides training under deadline pressure in a variety of basic photojournalistic situations. Prerequisite: COMJ 3327.

**4355. Video Production and Editing. 3(3-0)**

This course is designed to teach the basic principles of video production. It offers a conceptual introduction and practical experience on how to shoot video that is steady, in focus, well framed and, most importantly, tells a story. The course provides students with the basic foundations necessary to create videos from initial idea to finished video. Focus is placed on pre-production, production and post-production skills and techniques. Professionalism, leadership and teamwork are also emphasized.

**COMMUNICATION (COMM)**

**3300. Grammar for Communicators. 3(3-0)**

Intermediate instruction in grammar, sentence construction and communications skills necessary for further study in methods and techniques for gathering, processing, and delivering news in a professional manner. (Course may be substituted for COMM 2311 Newswriting and COMM 2309 Editing).

**3301. Reporting. 3(2-3)**

Theory and practice in news gathering and writing; types and techniques of public affairs reporting. Lab assignments include coverage of university departments and activities, municipal and county government, schools and courts either with the university newspaper or other university publication approved by Department Chair. Lab requires use of computers as editing terminals and data bases. Prerequisite: COMM 2309.

**3308. Radio and Television News and Script Writing. 3(3-0)**

Writing correctness, clarity and style in radio and television: includes collecting, writing and editing news, continuity, drama, address and commercial copy.

**3350. Theories of Communication. 3(3-0)**

This course is designed to introduce students to the world of communication theory. Communication theory allows students to learn about communication research, which in turn allows them to learn more about the different ways that people communicate with each other. In this course, students will discuss what researchers have found over the years about how, why, and to what effect people communicate with each other.

**3351. Media Effects. 3(3-0)**

This course is designed to introduce students to theory, research methods, and research findings concerning the impact of the mass media on the individuals who consume it and on society in general. Course content includes: (1) An introduction to theory and how theory is used to generate research questions; (2) an introduction to research methods and the use of statistics; (3) a discussion of effects models and research paradigms; (4) examples of early classic media research and theory development; and (5) examples of contemporary media theory and effects studies.

**4301. Reporting II Mesquite. 3(3-0)**

Advanced Theory and practice in news gathering and writing; types and techniques of public affairs reporting. Lab assignments include coverage of university departments and activities for The Mesquite, the student-produced campus newspaper of Texas A&M University-San Antonio. Course may be repeated for a maximum of 6 semester hours of credit.

**4306. Selected Topics in Communication. 3(3-0)**

The study of literature and research in areas of communication. Includes such topics as international press, or yearbook production, semantics and history of public address. Maybe repeated once for credit when topic varies. Prerequisite: 6 semester hours of communication, journalism and/or speech.

**4315. Media Ethics. 3(3-0)**

This course will (1) examine philosophical and moral problems relating to the current state of the mass media and (2) use the case study method to analyze ethical decision-making processes. Topics will include ethical concerns and dilemmas in news, advertising, public relations and entertainment.

**4317. Mass Media, the Public and the Law. 3(3-0)**

Legal and ethical limitation and responsibilities of the mass media, relationship and interaction between broadcaster, governmental regulatory agencies and the public. Prerequisite: 6 semester hours of journalism and/or radio-TV.

**4391. Independent Study in Communication. V:1-3**

Intensive work in a special area of the student's major or minor. A maximum of 6 semester hours of credit in independent study may be applied toward graduation. Prerequisite: 6 semester hours in communication, speech or journalism.

**COMMUNICATION – SPEECH (COMS)**

**3304. Advanced Oral Interpretation. 3(3-0)**

Analysis and practice of techniques in the oral interpretation of drama, poetry, prose, programmed readings, lecture



recital and group interpretations. Prerequisite: 6 semester hours of speech.

**3331. Persuasive Communication. 3(3-0)**

Theories and techniques of persuasive communication including the psychological, logical and ethical principles involved. Types of speaking and persuasion in the media will be studied. Required for speech concentration. Prerequisite: COMS 1311 or equivalent.

**3337. Intermediate Television Production and Direction. 3(2-4)**

Expanded operation and theory of television equipment is utilized in the production and direction of programs for the local educational cable television system. Prerequisite: COMS 1336.

**4335. Advanced Studio and Remote Television Production. 3(1-5)**

Mastery of television equipment utilization both in the studio and field. Practical experience in electronic news gathering and electronic field production for educational cable television. Prerequisite: COMS 3337.

**CRIMINOLOGY (CRIM)**

**3302. Social Deviance. 3(3-0)**

Survey of the sociological and psychological aspects of deviant behavior. Nature of deviance, types of deviant behavior, causal theories and social policy implications. (Credit may not be obtained in both CRIM 3302 and SOCI 3302.) Prerequisites: SOCI 1301 and 3 semester hours of Criminology or Sociology.

**3322. Juvenile Delinquency. 3(3-0)**

Incidences, types, causation, patterns, processes, treatment agencies and research as related to juvenile delinquency. (Credit may not be obtained in both CRIM 3322 and SOCI 3322.) Prerequisite: SOCI 1301.

**3330. Community Perspectives of Crime. 3(3-0)**

Examines community measures of crime control and the social, political, economic issues affecting them. Specific emphasis will be given to situational crime prevention, community corrections, community policing and the geographic distribution of crime within urban areas.

**3341. Comparative Justice Systems. 3(3-0)**

Critique of the differing policies, practices, and operations of crime and justice internationally. Specific attention will be directed to U.S. / Mexico, U.S. /Canada, and U.S. / European relations.

**3350. Crime and Justice Policy. 3(3-0)**

This course covers major policy issues dealing with crime control and the criminal justice system. Law enforcement, corrections, civil liberties and court processes are main areas in which public opinion and policy are in current controversy and debate.

**3355. Criminal Justice Organizations. 3(3-0)**

An overview of the various economic, social, and political factors that influence criminal justice organizations as well as the policies these agencies create. The course also examines major theories and structures of criminal justice organizations.

**4320. Law and Society. 3(3-0)**

An in-depth examination of law and society through the philosophy and evolution of legal systems and legal institutions. The major functions of law as agents of social control, dispute resolution and societal engineering are addressed. (Credit may not be obtained in both CRIM 4320 and SOCI 4320.) Prerequisites: SOCI 1301 and 3 semester hours of Criminology or Sociology.

**4321. Criminological Theory. 3(3-0)**

An overview of the principle theories of criminality and the application of these theories to contemporary crime issues. Prerequisite: CRIM 3321 or SOCI 3321.

**4325. Sociology of Corrections. 3(3-0)**

Overview of social psychological, cultural, sociological and political factors related to the correctional enterprise. Includes treatment of the context of corrections, correctional practices, correctional issues, correctional institutions

and correctional perspectives. (Credit may not be obtained in both CRIM 4325 and SOCI 4325.) Prerequisite: CRIM 3321 or SOCI 3321.

**4326. Community Resources in Corrections. 3(3-0)**

An analysis of correctional processes and facilities available at the community level. Topics include: probation, parole, diversion, halfway houses, community reintegration procedures, community treatment centers and volunteer programs. Emphasis is placed on social structure, functions and problems of community-based programs.

Prerequisites: CRIM 3321 and SOCI 1301.

**4331. Constitutional Law. 3(3-0)**

A survey of American constitutional law, using leading cases, both historic and contemporary, of the Supreme Court of the United States. Establishment of the federal political system for which the Constitution provided and the judicial allocations of political and economic power within that system. (Credit may not be obtained in both CRIM 4331 and POLS 4331.) Prerequisite: 6 semester hours of Political Science.

**4332. Constitutional Law. 3(3-0)**

A survey of American constitutional law, using leading cases, both historic and contemporary, of the Supreme Court of the United States. Matters of rights and liberties, their recognition and definition, policies of rights developed by the Supreme Court of the United States. (Credit may not be obtained in both CRIM 4332 and POLS 4332.)

Prerequisite: 6 semester hours of Political Science.

**4333. The American Judicial Process. 3(3-0)**

The federal Judicial System in terms of structure, function and process with stress on court interaction at both intra-court and intersystem levels. (Credit may not be obtained in both CRIM 4333 and POLS 4333.) Prerequisite: 6 semester hours of Political Science.

**4340. Topics in Criminology. 3(3-0)**

Literature and research in the area of criminology not otherwise treated in depth in available courses. Topics will vary according to needs, interests and capability of the instructor. May be repeated once for credit when topic differs. Prerequisite: 6 semester hours of Criminology.

**4341. Organized and White-Collar Crime. 3(3-0)**

An in-depth view of the social structural and organization factors leading to the development of organized and white collar criminal activity from a sociological perspective. The nature, extent, types, costs, structure and control of these crimes will be treated. Prerequisite: 6 semester hours of Criminology.

**4342. Substance Abuse. 3(3-0)**

A general survey of current research on psychological, social, legal and situational factors involved in substance abuse and its effect on human behavior and criminal activity. Includes examination of therapeutic procedures and facilities. (Credit may not be obtained in both CRIM 4342 and PSYC 4342.) Prerequisite: 6 semester hours of Criminology or Psychology.

**4345. Victimology. 3(3-0)**

An examination of the historical role of crime victims, nature of victimization in modern society, the victimization process, solutions to victimization and victim's rights. Emphasis given to the social, legal, psychological and societal aspects of victimization. Victim/offender interaction and societal response to victimization will also be examined.

Prerequisite: 6 semester hours of social science.

**4346. Gangs and Gang Behavior. 3(3-0)**

Gangs and gang behavior from a cross-cultural perspective. The historical evolution of gangs in America and Europe. Emphasis on the causes, consequences and social control of gangs in society. Prerequisite: 6 semester hours of Criminology.

**4348. Violence. 3(3-0)**

Types of violence from a historical and cross-cultural perspective, identifying and delineating patterns of violent behavior. Social structure and culture are linked to violence and examined in the context of individuals, groups and

societies. Emphasis is placed on the social control of violence. Prerequisite: 6 semester hours of Criminology.

**4349. Mental Illness and Violence. 3(3-0)**

This course examines the relationship of mental illness to violent crime by reviewing current empirical research. Specifically, topics include risk factors for violence, the correlation between substance use and violent behavior, and programs and policies concerning the treatment of mentally disordered persons. Prerequisite: 3 semester hours of upper division advanced psychology.

**4350. Seminar in Criminology. 3(3-0)**

The capstone course for the Criminology degree major. The course integrates theory with practical aspects of the criminal justice system. Specific interest is given to contemporary research in criminology, including policing, corrections and judicial systems.

**4352. Forensic Psychology. 3(3-0)**

This course examines the dynamics of human behavior within forensic contexts, including an analysis of the psychology of criminal behavior, as well as current research in the areas of police and investigative psychology (e.g., eyewitness identification, false confessions), psychology in the courts, mental illness in the justice system, and correctional psychology. Credit may be obtained in only one of CRIM 4352 or PSYC 4352. Prerequisite: 3 semester hours of upper division advanced psychology.

**4360. Criminology Internship. 3(3-0)**

This course provides students the opportunity to integrate traditional learning exercises with practical experience in the criminal justice system.

**4382. Methods of Social Research. 3(3-0)**

Introduction to the study of the scientific method as applied to social research including the logic of science, covering the nature of data, hypotheses, concepts and objectivity. (Credit may be obtained in only one of CRIM 4382 or SOCI 4382.) Prerequisites: SOCI 1301 and 3 semester hours of Sociology.

**4384. Directed Research in Criminology. V:1-3**

Supervised research experience in criminology. Student will assist with a research project under the individual guidance of a faculty member. Requirements may include library research, data collection, data entry, statistical analysis and/or assistance in planning and conducting parts of a research project. A paper on the research experience is required. May be repeated for a maximum of 6 semester hours of credit. Prerequisites: SOCI 3381 or PSYC 3381, CRIM 4382 and 6 other semester hours of Criminology. (Consent of instructor required.) Credit/Non-credit.

**COMPUTER SCIENCE (CSCI)**

**3343. Analysis of Algorithms. 3(3-0)**

This course provides the basic tools to give students the ability to select algorithms appropriate to particular purposes and to apply them, recognizing the possibility that no suitable algorithm may exist. It examines the range of algorithms that address important sets of well-defined problems, recognizing their strengths and weaknesses, and their suitability in particular contexts. Time and space efficiency is a pervasive theme throughout this course. Prerequisites: Successful completion of introductory programming courses.

**4301. Assembly Language and Computer Organization. 3(3-0)**

This course includes the theory, concepts and terminology required for competency in microcomputer assembly language programming including machine instructions; basic data types; addressing modes; arithmetic, logical and character string operations; interrupts and I/O interfaces. It includes an analysis of microcomputer architectures and the impact architectures and instruction sets have on each other.

**4304. Database Management Systems. 3(3-0)**

Database administration, including creating databases, setting user logins and permissions and backup and recovery. Intermediate-level use of structured query language (SQL).

**4306. Computer Networks. 3(3-0)**

Applications requiring telecommunications, internal and external influences on telecommunications systems and service providers, data transmission, standards and architectures, management of network design and operation, local area networks and future issues. This course is cross-listed with CISA 4306 Telecommunications I.

**4315. Computer Graphics. 3(3-0)**

Man-machine communication in graphical form. Graphics hardware and software. Use of a commercial graphics package. Representation and manipulation of two- and three-dimensional data. Use of color.

**4316. Software Engineering I. 3(3-0)**

Introduction to formal software design principles. An engineering approach to software development. Software project management. Software requirements analysis, specification, design, development and validation. Prerequisite: 6 semester hours of Computer Science or Computer Information Systems.

**4321. Computer Security. 3(3-0)**

Description: This course examines the concepts, principles, and applications of computer including Privacy, Information Security, and Critical Infrastructure. This course explores the knowledge and skills needed to ensure security of information and information systems within organizations. It focuses on concepts and methods associated with security across several systems platforms, including internal and Internet-based systems. The course utilizes a world view to examine critical infrastructure concepts as well as techniques for assessing risk associated with accidental and intentional breaches of security in a global network. It introduces the associated issues of ethical uses of information and of privacy considerations.

**4359. Advanced Problems in Computer Science. 3(3-0)**

Research in selected fields of computer science. Prerequisite: consent of instructor. May be repeated once for additional credit.

**4362. Operating Systems. 3(3-0)**

This course provides a comprehensive study of the concepts incorporated in modern operating systems. Students learn to view operating systems on the continuum from the designer to the user. This area is undergoing massive changes as computer systems are becoming ubiquitous and operating systems are being designed for systems ranging from home appliances and automobiles to smart phones and other personal devices, to the more traditional computer systems used to process the myriad information used in governmental, business, and private organizations.

**4366. Theory of Programming Languages. 3(3-0)**

Formal definition of programming languages including specification of syntax and semantics. Precedence, infix, prefix and postfix notation. Global properties of algorithmic languages. List processing, string manipulation, data description and simulation languages. Run-time representation of program and data structures. Language paradigms.

**4491. Senior Project. 2(2-0)**

Technical and expository readings, reports, and discussions. Topics include vocational and ethical issues, the relationship between Computer Science and engineering, human factors and software engineering, the history of computing, and individually selected topics of interest. Prerequisite: senior standing in Computer Science.

**ECONOMICS (ECON)**

**3331. Money and Banking. 3(3-0)**

Principles, problems and structure of the United States monetary system. Operations of commercial banks, the regulation and control of the supply of money and credit and the organization of the Federal Reserve System. Prerequisites: Successful completion of the business prerequisites.

**3334. International Economics. 3(3-0)**

International trade theory and policy and international monetary economics; balance of payments and exchange rate theory. Apply trade theories and models to explain why countries trade, gains from trade and trade patterns. Trade unions, tariffs, quotas and other non-tariff barriers to trade. Reasons and consequences of trade deficits. Prerequisites: Successful completion of the business prerequisites.

**4393. Special Problems in Economics. 3(3-0)**

Special studies in Economics. May be repeated once for credit. Prerequisite: consent of the instructor. Successful completion of the business prerequisites.

**5150. Foundations of Macroeconomics. 1.5(1.5-0)**

An introduction to the principles of macroeconomics for graduate students with limited background in economics or business. The course will include the study of aggregate demand and supply analysis for the determination of output, employment, inflation and economic growth. The role of fiscal and monetary policy will be examined with a focus on the current policy debates.

**5151. Foundations of Microeconomics. 1.5(1.5-0)**

An introduction to the principles of microeconomics for graduate students with limited background in economics or business. The course will include the study of supply and demand, price theory, competition and market structure, market failure and the role of government and other economic issues.

**5302. Microeconomic Analysis. 3(3-0)**

An intensive study of microeconomic theory in both its partial equilibrium and general equilibrium aspects. Topics covered include concepts and techniques of economic analysis; theory of consumer choice; theory of the firm, of capital and interest; theory of markets and exchange; factor price determination and functional income distribution. Prerequisites: ECON 5150 and ECON 5151 or equivalent.

**5304. Macroeconomic Analysis. 3(3-0)**

Analytical tools of advanced contemporary macroeconomics. Determination of the level of aggregate income; investment, money, interest and prices; wages, prices and employment. Prerequisites: ECON 5150 and ECON 5151 or equivalent.

**5329. Managerial Economics. 3(3-0)**

Microeconomic theory applied to managerial decision-making, relating managerial economics to finance and other business disciplines. Prerequisites: ECON 5150 and ECON 5151 or equivalent.

**5331. Monetary Economics. 3(3-0)**

The history, nature, and scope of money and monetary policy in the economy. The principles, problems, and the structure of the US monetary system, operations of commercial banks, the regulation and control of the supply of money and credit, and the organization of the Federal Reserve System. The role of monetary theory and the conduct and effectiveness of monetary policy. Prerequisites: ECON 5150 and ECON 5151 or equivalent.

**5334. International Economics. 3(3-0)**

International trade theory and policy including barriers to trade and international monetary economics such as balance of payments and the exchange rate theory. Focusing on trade models, it will address questions such as why countries trade, what gains are from trade, and what determines trade patterns. Formation of trade unions, tariffs, quotas and other non-tariff barriers to trade. Reasons and consequences of rising trade deficits in the United States. Prerequisites: ECON 5150 and ECON 5151 or equivalent.

**5349. Special Problems in Economics. 3(3-0)**

Special studies or internship in economics. May be repeated for credit.

**EDUCATIONAL ADMINISTRATION (EDAD)**

**5301. Behavioral and Organizational Foundation of Education. 3(3-0)**

Foundations of sociological, psychological, historical and philosophical views of education; school organization; including program of study, personnel, levels and varied approaches.

**5302. Elementary and Secondary Curricula. 3(3-0)**

Elementary and secondary school curriculum materials and methods problems. Lecture, discussion, library, research and seminar techniques will be employed in curriculum design.

**5305. Graduate Research Project. 3**

A graduate research project must be completed and submitted to the Graduate Office for a grade to be assigned, otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisite: EDAD 5329.

**5306. Thesis. 3**

This course is for Plan I students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

**5307. School Administration: Advanced Problems. 3(3-0)**

Major problems of the school administrator. Each student will accept one major problem for a term paper. Administration credit.

**5311. Secondary School Curriculum: Problems Course. 3(3-0)**

Secondary school curriculum materials and methods problems. Lecture, discussion, library, research and seminar techniques are employed. Methods credit.

**5312. Supervision: Advanced Problems. 3(3-0)**

Major problems of supervision. Students explore problems related to professional development and assessment. Administration credit.

**5313. School Administration: Public School Finance. 3(3-0)**

Theory and practices including federal, state and local levels. Theory and practices in taxing and budgeting with emphasis on Texas system. Administration credit.

**5315. Administration of the Various Special Programs in Education with Emphasis on Reading; Career Education; Vocational Technical Administration Special Education. 3(3-0)**

Administration of the various special staff and pupil personnel services offered in the public schools, including guidance, health, attendance, reading, career education, vocational technical administration and special education.

**5317. Workshop: Advanced School Problems. 3(3-0)**

Contemporary school administration problems. Administration credit.

**5320. Education: Special Problems. 3(3-0)**

Study of school problems in designated areas as approved by the University. May be repeated for credit when topic changes.

**5330. Multicultural Education for Educators. 3(3-0)**

Examines multicultural relations in American society and explores solutions to critical problems confronting schools into the 21st century. Prerequisites: basic computer literacy required. Admission in graduate education required.

**5341. School Administration. 3(3-0)**

School systems with emphasis upon cooperation of school boards with superintendents, principals and teachers; the relation of the school to the community as a whole. Administration credit.

**5342. Principalship — Elementary and Secondary Schools. 3(3-0)**

Administration and supervision of the elementary and secondary school; function, organization, physical equipment; classroom, homeroom and extra-room activities. The teacher's functions, qualifications and selection receive major attention.

**5343. Administration: Secondary Education. 3(3-0)**

Administration of the secondary school. Function, organization, physical equipment curriculum, methods of teaching, pupil personnel, guidance, school activities, faculty qualifications and selection receive major attention. Administration credit.

**5344. Supervision. 3(3-0)**

The purpose and methods of effective school supervision. Focus on instructional leadership development. General administration.

**5345. Internship in School Administration. 3(3-0)**

On-the-job projects for the purpose of practical application of administrative tasks.

**5351. Staff and Pupil Personnel Administration. 3(3-0)**

Principles and practices of administration as it concerns selecting and retaining school personnel and administering the pupil personnel program. Placement, job analysis and evaluation, salaries, fringe benefits, maintenance of morale, collective bargaining and student performance are addressed.

**5352. Educational Facilities Planning. 3(3-0)**

Creative and systematic planning of school facilities focusing on translation of psychological and educational needs into physical form and design. Development of educational specification, survey techniques, space allocation organization and conditioning with relationship to curriculum processes.

**5381. Administration and Management of Special Programs. 3(3-0)**

Problems in administering and managing special programs in public schools such as vocational and technical education, special education, career education and other special areas.

**5382. School Public Relations. 3(3-0)**

Processes and effects of communications between the public schools and their communities.

**5383. Public School Law. 3(3-0)**

Federal and state legal regulations as they relate to public school administration.

**5384. Advanced Problems in the Superintendency. 3(3-0)**

Current problems in the school superintendency are studied in depth.

**5385. Superintendency Internship. 3(3-0)**

Practical application of tasks in the area of the superintendent.

**BILINGUAL EDUCATION (EDBL)**

**3311. Survey of Bilingual Education. 3(3-0)**

This course is designed to equip the pre-service bilingual and second language teachers with the historical, sociolinguistic principles and legal foundations of bilingual education. We will examine different models of bilingual programs and its socio-cultural implications for language minority students. This course will emphasize how the political arena has influenced bilingual legislation in the United States.

**3315. Second Language Acquisition and Literacy for English Language Learners. 3(3-0)**

This course focuses on the language learning and acquisition theories for first and second language learning. In addition, this course will stress the literacy development theories, lesson planning, oral language development, and the implications of learning second language methodology.

**3320. Tests and Measurements in the Bilingual and ESL Classrooms. 3(3-0)**

Assessment instruments and strategies used in local, state and national systems for linguistically diverse students will be emphasized. In addition, this course will focus on the development of successful assessment practices for linguistically diverse students that can be used in Bilingual and ESL classrooms.

**3321. Methods of Teaching English to Non-English Children. 3(3-0)**

This course is designed to help educational practitioners to understand the inter-relatedness of language and literacy learning in the classroom of Non-English speakers. This course will examine the cultural contexts, social, and linguistic approaches to the teaching ESL. The importance of the teacher-student relationships and classroom



climate will be emphasized.

**3340. Applied Linguistics. 3(3-0)**

Linguistic structures and the relationships found in first and second language learning; educational implications in public school classrooms; dialects and cognitive development of language.

**4307. Advanced Problems in Teaching English as a Second Language. 3(3-0)**

Major approaches of second language acquisition. Special materials and methods of instruction for the linguistically different child. Emphasis on organization, curriculum development and usage of learning techniques for teachers of English as a Second Language and of Bilingual Education.

**4318. Teaching Language Arts, Social Studies & Music Content in Dual Language Classrooms. 3(3-0)**

This course is designed to teach the methods and techniques for teaching Language Arts, Social Studies, and Music to the bilingual child. This course will emphasize the importance of the planning, curriculum, and instruction in the dual language classroom. In this course the use of lesson plans and the importance of meaningful teaching will be discussed. Course is offered in Spanish.

**4322. Teaching Mathematics, Science and Art Content in the Bilingual Classroom. 3(3-0)**

This course is for students in the Bilingual EC-6 degree plan. The course will include knowledge of teaching Mathematics, Science and Art content in the bilingual and ESL Classroom. It will consist of a 3hr. course credit, lesson plan demonstrations, and TEKS alignment to each content area. Prerequisites: EDBL 4316 and EDBL 3308. Course is offered in Spanish.

**4355. Multicultural & Multilingual Education. 3(3-0)**

This course focuses on examining principal theories that address the linguistic and cultural needs of a diverse population. Included in this course will be the exploration of diversity issues, redefinition of classroom management and planning techniques, teaching strategies and informal and formal assessment practices for culturally and linguistically diverse students. Students will exhibit an understanding of the Texas teacher competencies as outlined in the Pedagogy and Professional portion of the TExES exam.

**5305. Graduate Research Project. 3**

A graduate research project must be completed and submitted to the Graduate Office for a grade to be assigned, otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisite: departmental approval.

**5306. Thesis. 3**

This course is for Plan I students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

**5338. Foundations of Bilingual Education. 3(3-0)**

This course will introduce the concepts of bilingual education from a national perspective in contextualization within an international perspective to illustrate concerns related to teaching and learning of bilingual populations. Issues affecting educational policy, classroom practice, sociological and historical foundations as well as the legal ramifications of bilingual education will be addressed. Various theoretical orientations and discourses of bilingual education will be addressed. Various theoretical orientations and discourses of intolerance in US history related to political and practical applications will also be the focus of discussions.

**5358. The Bilingual Child in the Bicultural Environment. 3(3-0)**

Psychological and sociological perspectives on the child's learning environment.

**5386. Teaching Mathematics, Science and Social Studies in the Bilingual Classroom. 3(3-0)**

This course is designed to teach academic foundations, skills, and strategies that will aim in successful teaching for today's students in mathematics, science, and social studies understanding. Emphasis will be placed on lesson planning, inquiry teaching, verbalizing mathematics, academic vocabulary usage, problem solving techniques, assessment of student performance, and use of technology. Enveloping methods to promote success in students'

globalization of thinking and the need to know and understand cultural awareness and sensitivity as well as appropriate construct activities that maximize ELL's to interact with others in English

**5387. Teaching Language Arts and Reading in the Bilingual Classroom. 3(3-0)**

This course will offer strategies and methods for engagement in intensive instruction in reading and language arts. The balanced comprehensive program of instruction and methodology will be based on sound research to include exposure to well-designed instruction programs that address the explicit and meaningful applied instruction in reading writing and related language arts for English language learners and speakers of English.

**5390. Special Problems in Bilingual Education (Study Abroad). 3(3-0)**

This course provides a short term study abroad experience in a host country/state or regional area. This course will provide students with an in-depth knowledge of language acquisition, biliteracy and bilingualism principles. Pre-travel background reading and discussion of target country/region; travel orientation and approval of project; host country observation of educational facilities and personnel; discussions with host country educational leaders, professors and government officials; post travel reports.

**COUNSELING AND GUIDANCE (EDCG)**

**5301. Statistical Methods. 3(3-0)**

Methods for the analysis and synthesis of quantitative data. A tool subject for experimental work including finding and interpreting central tendencies, variability and correlation. Important for classroom teachers, administrators, counselors and supervisors.

**5305. Graduate Research Project. 3**

A graduate research project must be completed and submitted to the Graduate Office for a grade to be assigned, otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisite: EDCG 5329.

**5306. Thesis. 3**

This course is for Plan I students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

**5310. Introduction to Counseling and Guidance. 3(3-0)**

Introduction to the principles, practices and philosophy of the field of Counseling and Guidance, and an exploration of the various work settings where counselors are found. This is an overview of the counseling field and explores historical development as well as professional orientation of counselors and their ethics and responsibilities.

**5311. Theories of Counseling. 3(3-0)**

Study selected theories of counseling and their implications on selected personality and developmental theories. Various theorists have developed theories to explain and to account for human development and human behavior. All personality theories have counseling implications and this is an exploration of those counseling theories.

**5315. Ethics and Legal Issues in Counseling. 3(3-0)**

Introduction to, and an exploration of, professional ethics in the counseling profession. Learning to deal with the professional and ethical issues that most affect the practice of counseling and related professions. A number of points of view will be presented to stimulate discussion, exploration and reflection.

**5316. Introduction to School Counseling. 3(3-0)**

This course explores the evolution of the counseling profession with an emphasis on the historical development of school counseling. Professional identity, legal and ethical issues in schools, and collaboration with school, family, and community are discussed. Pre-service counselors will learn how to plan, implement, and evaluate a comprehensive, developmental guidance and counseling program designed to promote personal growth and development of all students.

**5317. Counseling Techniques. 3(3-0)**

This course is designed to combine the study of theory and philosophy of individual counseling with techniques and practices in the field. This is a “hands on” course where the student is taught through practice and observation the dynamics of providing individual counseling services. Both classroom and laboratory experiences are offered in this course. Prerequisites: For School Counseling track - EDCG 5316, 5348, 5335, 5311, and 5315; For Community Counseling track – EDCG 5310, 5327, 5335, 5311, 5315.

**5322. Substance Abuse Counseling. 3(3-0)**

Exploration of the nature of chemical dependency/addiction, including alcohol and other legal and illegal substances. Also explored are related phenomena, which produces and/or results in obsessive and compulsive behaviors. Implications for education, prevention, treatment and recovery will be explored. Attendance at several meetings of Alcoholics Anonymous and other 12 step programs are a part of this course.

**5324. Advanced Tests, Measurement and Evaluation. 3(3-0)**

Course will provide students with an orientation to measurement theory, statistics associated with measurement and practical application of tests. Special emphasis will be devoted to interpretation and proper use of testing to inform treatment plans.

**5326. Special Problems in Guidance and Counseling. 3(3-0)**

Course is a study of problems in designated areas approved by the university. May be repeated when the topic changes.

**5327. Abnormal Human Behavior. 3(3-0)**

This course is an in-depth look at the varieties of psychopathology, its etiology, classification and treatment. The course reviews the history and treatment of mental illness over the years with special attention to the various classification schemes and systems as they have evolved. The emphasis will be to give the student skills to recognize the nature of the abnormal behavior and to determine what services, if any, the counselor might be able to provide. Proper referral services, methods, and procedures will be explored. Students will explore the practical use of the Diagnostic Statistical Manual of Mental Disorders. Prerequisites: EDCG 5310 or 5316 and EDCG 5311.

**5328. Group Counseling Techniques. 3(3-0)**

This course is designed to provide the student with an understanding of group dynamics, theories, and techniques. Special emphasis on developmental stages of the group process, leadership roles, and various responsibilities associated with forming and conducting groups. Types of groups and common group settings will be examined. Prerequisite: EDCG 5311.

**5329. Educational Research. 3(3-0)**

Course addresses basic concepts associated with research as well as historical development of research methodologies. Emphasis will be on research design and the exploration of threats to various types of validity and reliability. Students will be expected to critically evaluate existing research and understand how research impacts policies and procedures in education. Focus will be on research in applied educational settings. This course is writing intensive and students are expected to generate new knowledge in an educational area of choice. American Psychological Association manual style will be emphasized. This course meets the requirements for Plan II and Plan III graduation requirement of a research project produced as a major assignment in a 3-hour 5000 level, research-titled course.

**5330. Student Personnel Services in Higher Education. 3(3-0)**

Introduction to and exploration of the student personnel worker and the student personnel administrator in higher education. An overview of the historical development of the student personnel worker/administrator in the American college/university. The various duties and functions of the modern student services worker are surveyed. The development of American higher education and many current issues being played out in the nation's colleges and universities are analyzed.

**5335. Human Development Across the Lifespan. 3(3-0)**

This course provides a comprehensive overview of cognitive, physical, and psychological developmental aspects across the lifespan. Various theories associated with the developmental process will be explored and discussed. Special emphasis will be devoted to linking theory with practice across multiple settings (school, agencies, home).

**5338. Advanced Child & Adolescent Growth and Development. 3(3-0)**

Application of concepts of behavior, development, and learning in school aged children and adolescents. Students will explore special emotional struggles associated with these developmental periods and appropriate counseling interventions.

**5341. Guidance: Advanced Topics. 3(3-0)**

Major problems of educational and vocational guidance covering selection, orientation, personnel, training programs, placement and re-education. Prerequisite: 6 semester hours of advanced education. May be repeated when the topic changes.

**5347. Understanding and Counseling Children. 3**

**5348. Counseling Diverse Populations. 3(3-0)**

Exploration of issues related to cross cultural counseling. Theories related to cultural competency will be explored as well as those associated with cultural identity formation. Students will be expected to gain an in-depth understanding of how one's own value system that is informed by culture impacts clients.

**5351. Field Practicum for School Counselors. 3(3-0)**

Supervised experience in practical application and integration of principles and techniques of counseling in a selected educational setting. Students must demonstrate competence with elementary, middle school, and high school students. Students will gain experience in the provision of a comprehensive, developmental guidance and counseling program designed to promote the educational, personal, social, and career development of the learner. The course requires a minimum of 160 total hours and may be repeated once for credit. Prerequisite: EDCG 5317.

**5354. Principles and Practices in Guidance and Counseling. 3(3-0)**

Philosophical, sociological and psychological principles and concepts related to guidance and counseling and the helping professions.

**5355. Materials and Techniques for Career, Vocational and Occupational Education. 3(3-0)**

Theories and techniques of developing, classifying, analyzing and disseminating vocational and career information.

**5356. Field Practicum for Counselors. 3(3-0)**

Course is supervised practice in the application of counseling strategies and techniques in environmental settings appropriate to the professional interests of the counselor trainee (clinical setting). Student will be expected to complete 150 hours of practicum experience. These hours are a combination of direct service/contact, supervision and administrative responsibilities. May be repeated subsequent semester to a total of 9 semester hours but cannot be substituted for another core course. Prerequisite: EDCG 5317.

**5358. Elementary Guidance and Counseling Techniques. 3(3-0)**

This course is designed to give special attention to the particular personal, social and academic needs of elementary age children.

**EARLY CHILDHOOD (EDEC)**

**3303. Child Development. 3(3-0)**

Physical, cognitive, language, social and emotional development of children from birth to adolescence. Skills in objective observation and recording of information with emphasis on informal assessment techniques. Field experience is required. Prerequisite: admission to field-based teacher education program.

**3328. Foundations of Early Childhood Development. 3(3-0)**

Students will gain an understanding of the foundational theories and philosophies of early childhood.

**3329. Developmentally Appropriate Curriculum for the Young Child. 3(3-0)**

Students will understand the historical, philosophical, psychological, sociological theories behind developmentally appropriate early childhood curriculum. Students will comprehend specifics about licensing, certification and

management of childcare facilities as well as in the classroom. Students will identify and understand laws, rights and appropriate curriculum for special needs students. Prerequisite: EDEC 3303.

**3349. Academics Creativity and Play. 3(3-0)**

This is field residency course that focuses on teaching methods for incorporating play, movement and the arts into academic instruction for the EC-6 student. Students apply the knowledge of child development milestones to make age appropriate curricular decisions. Prerequisites: EDEC 3303 or EDED 3313 and acceptance into the Teacher Preparation and Certification Program (TPCC).

**4314. Cognitive Development. 3(3-0)**

Students will gain an understanding of cognitive developmental milestones and theoretical philosophies that enhance the understanding of professionals in early childhood careers.

**4315. Social and Emotional Development. 3(3-0)**

Students will gain an understanding of social and emotional developmental milestones and theoretical philosophies that enhance the understanding of the social and emotional domains of young children.

**4316. Assessment of Young Children. 3(3-0)**

Students will gain an understanding of a variety of assessment procedures and methods for documenting the growth and development of young children in all domains.

**4317. Cognitive Development in Early Childhood. 3(3-0)**

Students will develop an understanding of the logical thought and reasoning skills of the young child through theories and research on cognitive development. Students will acquire knowledge on developmentally appropriate methods and materials to facilitate quantitative and qualitative concepts in young children. Also, students will comprehend strategies to enhance critical thinking with young children. Prerequisite: EDEC 3303 or EDED 3313

**4319. Activities in Early Childhood. 3(3-0)**

Developmental stages of art and creative thinking, relationship of creative activities to problem-solving. Methods and materials for teaching fine arts. Theories and research on learning academic skills through play and creative activities.

**4320. Assessment of Young Children. 3(3-0)**

Student will acquire information regarding developmentally appropriate assessment strategies for the cognitive, social, emotional and physical domain. Student will identify formal and informal evaluative instruments and the subsequent advantages and disadvantages. Information will be provided on special problem regarding assessment, including assessment of special populations, interpretation of results and bias of results. Prerequisite: EDEC 3303.

**4329. Language Development in Early Childhood. 3(3-0)**

Acquisition and development of oral language, early literacy. Integrated approach to language skills for young children. Prerequisite: EDEC 3324.

**4337. Physical Development in Early Childhood. 3(3-0)**

Strategies and materials for enhancing the physical development of young children. Units of health, nutrition, safety and other related topics. Field experiences. Prerequisite: EDEC 3324.

**4349. Social/Emotional Development in Early Childhood. 3(3-0)**

Students will understand the interdependence of children's social and emotional development upon behavior. Students will comprehend strategies for promoting positive guidance, developing a strong self-concept, expanding gender and ethnic identify and encouraging autonomy in young children. Pre-requisite: EDEC 3303.

**4361. Curriculum and Materials for Early Childhood Education. 3(3-0)**

Methods and materials for teaching young children. Scope and sequence of language, mathematics, social and natural sciences, fine arts, health and safety and physical education. Field experiences required. Prerequisites: EDEC 3328, EDEC 4317 or EDEC.

**5305. Graduate Research Project. 3**

A graduate research project must be completed and submitted to the Graduate Office for a grade to be assigned, otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisite: departmental approval.

**5306. Thesis. 3**

This course is for Plan I students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

**5316. Social and Natural Science Studies. 3(3-0)**

Content and methods for promotion development of knowledge, skills and attitudes in Social Studies and Science the for preschool children. Unit themes will be developed for integrating (socially and culturally) age appropriate curriculum.

**5317. Explorations: An Inquiry Approach to Teaching Social Studies. 3(3-0)**

Content and methods for promotion development of knowledge, skills and attitudes in social studies for preschool children. Unit themes will be developed for integrating curriculum.

**5318. Investigations: An Inquiry Approach to Teaching Science. 3(3-0)**

Content and methods for promotion development of knowledge, skills and attitudes in science for preschool children. Unit themes will be developed for integrating curriculum.

**5319. Mathematics in Early Childhood. 3(3-0)**

Development of logical thought and reasoning in young children. Developmentally appropriate activities and materials for promoting quantitative concepts.

**5320. Supporting the Development of Literacy. 3(3-0)**

Emergent literacy as simultaneous development of listening, speaking, reading and writing. Linking research findings to early childhood philosophy and integrated program implementation.

**5333. Foundations of Early Childhood Curriculum. 3(3-0)**

Historical, philosophical, sociological and psychological bases for early childhood curriculum design. The representation of research, theory and professional recommendation in developmentally appropriate practice.

**5334. Professional Laboratory Experiences in Early Childhood Education. 3(3-0)**

Practicum in observing and recording behavior of young children. Assignments in developmentally appropriate activities for preschool children. May be repeated once. Prerequisite: 12 hours of Early Childhood Education.

**5335. Integrated Curriculum in Early Childhood Education. 3(3-0)**

An advanced course in curriculum design with an emphasis on integration of content areas for instruction. Math, science, language, arts and social studies scope and sequence will be presented. Adaptations for special populations will be included. Prerequisite: EDEC 5333.

**5349. Creative Activities and Play. 3(3-0)**

This course will extend the students' understanding of play theory and include relevant research in order to advocate for the value of play in the Early Childhood curriculum.

**5351. Special Problems in Early Childhood. 3(3-0)**

This course will identify specific problems related to Early Childhood. Students will be involved in professional communication, evaluating research, and collaborative learning. Prerequisite: 12 hours of Early Childhood Education.

**5359. Math in Early Childhood Education. 3(3-0)**

This course will emphasize the theoretical base regarding the development of mathematical concepts and logical reasoning as they apply to young children.

**5360. Incorporating Play in the Early Childhood Curriculum. 3(3-0)**

A study of creative thought and behavior in young children. Methods and materials for teaching art, music and dramatics for young children. Theories of play and development.

**5361. Special Problems in Early Childhood Education. 3(3-0)**

The identification and research of specific problems as they relate to preschool programs. May be repeated once. Prerequisite: 12 hours of Early Childhood Education.

**5367. Foundations of Early Childhood Curriculum. 3(3-0)**

This introductory course focuses on a myriad of historical and philosophical foundations in Early Childhood education that continues to influence current research and practice. Attention is given to the basic components that are essential to the organization and effective implementation of developmentally appropriate curriculum and practice. Additionally, this course offers experience and training in the techniques of analysis of curriculum and environments that are integral to the accreditation process in EC programs. Details pertaining to research, writing, and analysis of curriculum and practice are included.

**5369. Emergent Literature in Early Childhood Education. 3(3-0)**

This course will explore research on how teachers, administrators and families can support literacy development. Specifically students will understand developmentally appropriate methods for assessing and documenting the development of literacy. In addition, students will be aware of how to empower families through knowledge about emergent literacy.

**EDUCATION (EDED)**

**3301. Principles of Learning. 3(3-0)**

Students will identify theories related to motivation, interest, attention, transfer, relevance and other principles of learning. In addition, students will understand instructional models and subsequent theories for teaching children from early childhood to the grade.

**3305. Development and Behavior of the Child and Adolescent. 3(3-0)**

This course will cover the child and adolescent in contemporary society, including cultural background, interest, attitudes, values and needs, self-concepts, and adjustment mechanisms. The learning process will be covered with regards to students' social, emotional and sexual development. This will include a study of the growth and development, behavioral characteristics, and teaching and learning processes of the middle and secondary aged child in multi-cultural society.

**3308. Methods in Educational Media and Technology. 3(3-0)**

Emphasizes techniques to enhance learning, use of media and technology, learning styles of different students and ways to use media and technology to accommodate different learning styles.

**3347. English Language Arts Methods for Elementary Teachers. 3(3-0)**

This course focuses on the six components of language arts: listening, talking, reading, writing, viewing and visual representation. Psycholinguistic and sociolinguistic theory and its application to English language learning will be addressed. Strategies for teaching reading in the content area with emphasis on the skills necessary for helping students increase their reading vocabulary and reading comprehension are discussed. Additionally, this course offers experience and training in the use of writing as an instructional tool and techniques and methods for writing throughout the curriculum. Details pertaining to research, visual literacy and digital/critical literacy are explained.

**3348. Classroom Management: Early Childhood and Elementary Teachers. 3(3-0)**

This course introduces various managerial strategies, offers teachers candidates ideas for effective classroom management, and develops an understanding of the value of collaborating within the school community. This course covers basic skills and knowledge for creating a learning environment that encourages positive social interaction and effective communication among members of the learning community at the middle & secondary levels.

**3349. Social Studies Methods: Early Childhood and Elementary. 3(3-0)**

This course provides teacher candidates with a method of teaching and assessing social studies in the early childhood through elementary grade levels; including methods and of selecting organizing social studies programs, the sequence of the content of the social studies curriculum, adapting and enriching social studies programs to meet the needs of all students, and creating assessments aligned with the social studies curriculum.

**3357. English Language Arts Methods: Middle School and Secondary. 3(3-0)**

This course focuses on the six components of language arts: listening, talking, reading, writing, viewing and visual representation. Strategies for teaching reading in the content area, specifically for the middle and secondary levels, with emphasis on the skills necessary for helping students increase their reading vocabulary and reading comprehension are discussed. Additionally, the implementation of writing and the application of advanced writing in the content areas will be utilized.

**3358. Classroom Management – Middle and Secondary Level Teachers. 3(3-0)**

This course addresses two distinct areas of classroom management. The first area is directed at the capacity building of each student in the critical assertiveness traits that are needed by all classroom teachers. The second area addresses the various technical areas of managing the classroom. Much of the training is directed in a format of identifying and addressing the clinical needs and responses to these two management areas. Students who complete this course will have the necessary competencies and skills to manage their behaviors and the behaviors of students. By the end of the course, students will know how to establish and maintain an academic climate in a classroom so that quality student performance can be attained.

**3359. Social Studies Methods: Middle Secondary & Levels. 3(3-0)**

This course provides teacher candidates with a method of teaching and assessing social studies in the middle and secondary levels; including methods of selecting and organizing social studies programs, the sequence of the content of the social studies curriculum, adapting and enriching social studies programs to meet the needs of all students, and creating assessments aligned with the social studies curriculum.

**3370. Introduction to Special Populations. 3(3-0)**

This course is designed as an enriched, integrated pre-service course with context experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic, and academic diversity and equity with an emphasis on learning. A 15 hour field experience in public school setting (P-12) is required.

**3380. Teaching as a Profession. 3(3-0)**

This course is designed for students who are considering teaching as a career. This course will focus on the requirements for becoming certified in Texas and serves as an introduction to and analysis of the culture of schooling and classrooms. Students will have an opportunity to explore and discuss current educational issues and challenges that impact students, teachers, and society. A 15 hour field experience in public school settings (P-12) is required.

**4301. Curriculum Across the Disciplines – Early Childhood and Elementary. 3(3-0)**

This course provides pre-service teachers with an understanding of the broad components of curriculum and the specific strategies necessary to develop an integrated curriculum. In particular, this course will focus on construction and implementation of differentiated instruction for the EC-12 learners. Students will understand the value of employing various materials, products, processes and learning profiles to create a classroom community for diverse students to thrive. Pre-requisite: EDEC 3313 and 1 semester of Field Based experience.

**4309. Trends in Education. 3(3-0)**

This course will include an analysis of current trends in education as well as application of the critical skills necessary for professional success of beginning teachers. Pre-requisite: 18 semester hours of upper level teacher preparation coursework and 1 semester of Field Base Experience.

**4311. Curriculum and Learning for Adolescent Students. 3(3-0)**

This course provides teacher candidates with the knowledge and skills necessary to teach adolescents in the middle and secondary grade levels. Topics include the middle level and secondary philosophies; school organization; middle level and secondary curriculum, instruction and assessment teaching skills; and middle level and secondary



professional roles. Pre-requisite: admission to the teacher education program.

**4346. Science Methods: Early Childhood and Elementary Levels. 3(3-0)**

Emphasizing effective integrated science teaching focusing on inquiry and other constructivist approaches. Aligned to state curriculum (TEKS) and elementary comprehensive TExES competencies.

**4347. Math Methods: Early Childhood Elementary Levels. 3(3-0)**

This course provides teacher candidates with a method of teaching and assessing mathematics in the early childhood through elementary grade levels; including methods of selecting and organizing mathematics programs, the sequence of the content of the mathematics curriculum, adapting and enriching mathematics programs to meet the needs of all students, and creating assessments aligned with the mathematics curriculum.

**4356. Science Methods: Science Methods: Middle School & Secondary Levels. 3(3-0)**

Emphasizing effective integrated science teaching focusing on inquiry and other constructivist approaches. Aligned to state curriculum (TEKS) and elementary comprehensive TExES competencies. Field experience required.

**4355. Math Methods: Middle & Secondary Levels. 3(3-0)**

This course provides teacher candidates with a method of teaching and assessing math in the middle and secondary levels; including methods of selecting and organizing math programs, the sequence of the content of the math curriculum, adapting and enriching math programs to meet the needs of all students, and creating assessments aligned with the math curriculum.

**5304. Graduate Teacher Certification Internship. 3(3-0)**

Designed for teachers seeking certification under the graduate teacher certification program. Provides extensive supervised experiences in a setting aligned with student's chosen program. Prerequisite: bachelor's degree from a regionally accredited institution, employment by a school district and criteria for admission to the alternative certification program. Course is repeated consecutively for two three-credit hour courses to meet state alternative certification requirements of six hours of internship. A fee of \$3,800 will be assessed (with payment options) as part of the internship year requirements.

**5307. Novice Teacher Induction Seminar. 3(3-0)**

Designed for novice teachers in high-need schools. Provides an opportunity to strengthen development in the three major areas research has identified as critical to teacher induction programs: coping with personal and professional issues; adjusting to the climate and culture of the school site and system; and developing effective instructional and classroom management skills. The course goals are to aid in the formation of participants' professional identity as teachers and life-long learners, and to provide them with personal and professional support to help cope with the realities of the first year in the classroom. This course will require 15 hours of field observation.

**5308. Principles and Philosophy. 3(3-0)**

School practice in the light of basic assumption of philosophy. Designed and conducted to stimulate critical thinking.

**5310. Microcomputers in Education. 3(3-0)**

Methods/strategies for utilizing microcomputers and related technology in public school settings; evaluation and review of software; fundamentals of computer-assisted and computer-managed instruction.

**5311. Introduction to the Digital Learning Society. 3(3-0)**

Explores the technological evolution as it relates to K-16 education to rethink strategies for learning and to reflect upon the technological revolution that is transforming the world. Also explores enhancing individual intelligence through interaction with "smart" machines.

**5312. World Wide Web Learning Environments. 3(3-0)**

Principles of Web-Based Instruction (WBI) and its role in creating learning environments that utilize the attributes and resources of the Internet and the World Wide Web (WWW). Emphasis of pedagogical, technological, organizational, instructional and ethical issues related to design, development and delivery of WBI. Students will be required to critique several frameworks from a theoretical and applied perspective. Course will provide opportunity

to design, develop and evaluate an instructional prototype that utilizes the attributes of the WWW.

**5318. Advanced Instructional Strategies and Learning Theories. 3(3-0)**

Advanced teaching skills and strategies for experienced teachers. Verbal and nonverbal instructional strategies and positive discipline approaches.

**5320. Multimedia and Streaming Technology in the Classroom. 3(3-0)**

Provides opportunities to experience the instructional design process as applied to the development of a computer-based instructional prototype module. Opportunity to interact with subject matter experts, draft a comprehensive design approach and implement ideas using an authoring system. Focuses on facilitating connections between instructional design literature and practice of designing and developing instruction using multimedia technology. The use of streaming technology will target development of lessons for staff development and utilization of streaming media in school curriculum to enhance teacher effectiveness.

**5329. Education Research. 3(3-0)**

Course addresses basic concepts associated with research as well as historical development of research methodologies. Emphasis will be on research design and the exploration of threats to various types of validity and reliability. Students will be expected to critically evaluate existing research and understand how research impacts policies and procedures in education. Focus will be on research in applied educational settings. This course is writing intensive and students are expected to generate new knowledge in an educational area of choice. American Psychological Association manual style will be emphasized. This course meets the requirements for Plan II and Plan III graduation requirement of a research project produced as a major assignment in a 3 hour 5000 level, research-titled course.

**5351. Science Methods for the Middle and Secondary Levels. 3(3-0)**

This course provides teacher candidates with the knowledge and skills necessary to teach adolescents in the middle and secondary philosophies; school organization; middle level and secondary curriculum, instruction and assessment teaching skills; and middle level and secondary professional roles. Prerequisite: Admission to the teacher education program. This is a methods course.

**5352. Math Methods for the Middle and Secondary Levels. 3(3-0)**

This course provides teacher candidates with a method of teaching and assessing math in the middle and secondary levels; including methods of selecting and organizing math programs, the sequence of the content of the math curriculum, adapting and enriching math programs to meet the needs of all students, and creating assessments aligned with the math curriculum. This is a methods course.

**5354. Social Studies Methods- Middle & Secondary Levels. 3(3-0)**

This course provides teachers candidates with a method of teaching and assessing social studies in the middle and secondary levels; including methods of selecting and organizing social studies programs, the sequence of the content of the social studies curriculum, adapting and enriching social studies programs to meet the needs of all students, and creating adapting and enriching social studies programs to meet the needs of all students, and creating assessments aligned with the social studies curriculum. This is a methods course.

**5355. English/Language Arts Methods – Middle and Secondary Levels. 3(3-0)**

This course focuses on the six components of language arts: listening, talking, reading, writing, viewing and visual representation. Strategies for teaching reading in the content area, specifically for the middle and secondary levels, with emphasis on the skills necessary for helping students increase their reading vocabulary and reading comprehension are discussed. Additionally, the implementation of writing and the application of advanced writing in the content areas will be emphasized.

**5361. Mathematics and Science Methods for Early Childhood and Elementary Levels. 3(3-0)**

This course provides teacher candidates with a method of teaching and assessing mathematics and science in the early childhood levels; including methods of selecting and organizing the mathematics and science programs, the sequence of the content of the mathematics and science curriculum, adapting and enriching mathematics and science programs to meet the needs of all students, and creating assessments aligned with the mathematics and science curriculum. This is a methods course.

**5362. English Language Arts and Social Studies Methods in Early Childhood and Elementary. 3(3-0)**

This course provides teacher candidates with a method of teaching and assessing English language arts and social studies in the early childhood and elementary levels; including methods of selecting and organizing programs, the sequence of the content of the English language arts and social studies curriculum, adapting and enriching these programs to meet the needs of all students, and creating assessments aligned with the English language arts and social studies curriculum.

**5363. Human Development & Learning Theories for Children. 3(3-0)**

This course provides training for teachers and professional educators to improve effectiveness through an organized framework of scientific knowledge of human growth and development; emphasis on physical/affective processes affecting learning and current research trends for early childhood through elementary levels. Course may not be taken for EDCG 5335 Human Development Across the Lifespan or EDCG 5338 Advanced Child and Adolescent Growth and Development.

**5364. Human Development & Learning Theories for Adolescents. 3(3-0)**

This course provides training for teachers and professional educators to improve effectiveness through an organized framework of scientific knowledge of human growth and development; emphasis on physical/affective processes affecting learning and current research trends for middle and secondary level students (i.e., childhood through adolescence). Course may not be taken for EDCG 5335 Human Development Across the Lifespan or EDCG 5338 Advanced Child and Adolescent Growth and Development.

**5366. Instructional Strategies & Classroom Management Elementary. 3(3-0)**

This course focuses on a variety of advanced instructional models, methods and techniques appropriate for elementary levels. Inductive, Deductive, Social and Independent approaches to teaching will be demonstrated and discussed with a focus on appropriate methods for differentiating instructions. Along with instructional techniques, classroom assessment for instructions and diagnosis will be included. In addition, this course will focus on understanding the theoretical basis of classroom management and the practical application. These strategies cover a wide spectrum of issues concerning communication with families, motivation of students and culturally responsive techniques for managing diverse elementary classrooms. This course will require 15 hours of field observation.

**5367. Instructional Strategies & Classroom Management Secondary. 3(3-0)**

This course focuses on a variety of advanced instructional models, methods and techniques appropriate for middle and secondary levels. Inductive, Deductive, Social and Independent approaches to teaching will be demonstrated and discussed with a focus on appropriate methods for differentiating instruction. Along with instructional techniques, classroom assessment for instruction and diagnosis will be included. In addition, this course will focus on understanding theoretical basis of classroom management and the practical application. These strategies cover a wide spectrum of issues concerning communication with families, motivation of students and culturally responsive techniques for managing diverse elementary classrooms. This course will require 15 hours of field observation.

**5371. Dynamics of Teaching. 3(3-0)**

Study of school problems in designated areas approved by the University. May be repeated for credit when topic changes.

**5374. Pedagogical Methods in the Middle School Classroom. 3(3-0)**

Examination and implementation of developmentally appropriate instructional, assessment and management strategies and techniques with an emphasis on problem-based, inquiry-based and technology-based learning; development of extended inter- and intra-disciplinary learning experiences for middle-level learners utilizing appropriate TEKS, resources and materials.

**5375. Pedagogical Methods in the High School Classroom. 3(3-0)**

Examination and implementation of developmentally appropriate instructional, assessment and management strategies and techniques with an emphasis on problem-based, inquiry-based and technology-based learning; development of extended inter and intra disciplinary learning experiences for secondary-level learners utilizing appropriate TEKS, resources and materials.

## **EDUCATION FIELD RESIDENCY (EDFR)**

*Requirements for admission to the teacher education and student teaching program are set forth in the introduction to The School of Education and Kinesiology.*

### **3110. Field Residency I. 1(1-0)**

Requirement of one semester of field residency (consisting of 64 clock hours) while enrolled in departmentally approved field residency courses. This lab course is designed to equip pre-service teacher candidates with classroom observation experiences in the field. This lab is taken in conjunction with designated field residency courses in which students are provided specific assignments to complete during the classroom observation. The course must be successfully completed prior to teaching. Prerequisite: Admission to the teacher preparation program.

### **3120. Field Residency II. 1(1-0)**

Requirement of one semester of field residency (consisting of 64 clock hours) while enrolled in departmentally approved field residency courses. This lab course is designed to equip pre-service teacher candidates with classroom observation experiences in the field. This lab is taken in conjunction with designated field residency courses in which students are provided specific assignments to complete during the classroom observation. The course must be successfully completed prior to teaching. Prerequisite: EDFR 3110 and Admission to the teacher preparation program.

### **4613. Elementary School Student Teaching. 3(3-0)**

Students will demonstrate, in a laboratory setting, knowledge of and an ability to effectively apply those skills necessary for successful teaching in the elementary school. Student teaching is a full-time assignment (8 a.m. to 5 p.m.) for 16 weeks in an accredited elementary school. Student is to furnish transportation. Prerequisite: Admission to student teaching.

### **4623. Secondary School Student Teaching. 3(3-0)**

Students will demonstrate, in a laboratory setting, knowledge of and an ability to effectively apply those skills necessary for successful teaching in the elementary school. Student teaching is a full-time assignment (8 a.m. to 5 p.m.) for 16 weeks in an accredited secondary school. Student is to furnish transportation. Prerequisite: Admission to student teaching.

## **HEALTH (EDHL)**

### **3331. Consumer Health. 3(3-0)**

An informed health consumer is one who purchases health products and services that are useful and beneficial. This consumer is also aware of consumer protection, product safety and services available if dissatisfied with a product or service.

### **3333. Growth, Development, and Sexuality. 3(3-0)**

Human sexuality content for different developmental stages. Designed for individuals who plan to present human sexuality content to various age groups.

### **3345. Drug Education. 3(3-0)**

Study of prescription and non-prescription drugs, their action in the body, their benefits and abuse potentials.

### **3381. Community Health. 3(3-0)**

Acquaints the student with all aspects of community and public health. Designed to prepare students for planning, implementation and evaluation of health education/health promotion programs in community, health care and worksite settings. Prerequisites: EDHL 1254, EDHL 1304, EDHL 2325.

### **3383. Women's Health. 3(3-0)**

Medical, historical, legal, environmental, sociological and psychological issues that affect women's health, both past and present. Prerequisite: EDHL 1254.

### **4342. Program Planning for Health Promotion. 3(3-0)**

Explore the demographics of the San Antonio area, identify a disease that is prevalent to a local population, assess the resources available, develop a health promotion program and implement the program at a local facility. Prerequisite: EDHL 3381, STAT 1342.

**4344. Health and Aging. 3(3-0)**

This course will explore in-depth information regarding the health issues of aging individuals including: physical health, psychological health, legal and ethical issues of health and Medicare/Medicaid. Prerequisite: EDHL 1254.

**5311. Scientific Foundations of Health Education. 3(3-0)**

To identify, relate, apply and evaluate scientific materials relevant to scientific foundations of Health Education.

**5321. Critical Analysis of Current Issues in Health Education. 3(3-0)**

Contemporary issues and modern-day problems are identified and thoroughly analyzed through extensive reading and discussion.

**5322. Seminar in Selected Topics. 3(3-0)**

Contemporary issues are identified and analyzed through intensive investigation. Examples of topics include human sexuality, drug education, family abuse and AIDS. May be repeated for credit as topics change.

**KINESIOLOGY (EDKN)**

**3311. Group Management in Physical Activities. 3(3-0)**

Theory and application of group management skills which are appropriate for physical activities. Effects of litigation, facilities, design, program, equipment, class scheduling and lesson planning on group management. Prerequisite: completion of 90 semester hours. Field Experience Required.

**3315. Functional Anatomy. 3(3-0)**

This is a basic course in human anatomy. An in-depth study of the structure involved in human movement will be studied as well as the basic functions of these structures. Prerequisite: Human Anatomy and Physiology I

**3316. Medical Terminology. 3(3-0)**

This course is designed to develop skills necessary to read and comprehend original research, medical reports, and health/fitness evaluations with regards to prefixes, suffixes and root words of medical terms.

**3320. Motor Development/Motor Learning. 3(3-0)**

Physical factors that influence growth, maturation and aging; process underlying perceptual-motor performance and the interpretation and applications of motor research to human movement. Prerequisites: EDKN 1119, EDKN 1134, EDKN 2112, EDKN 2114 and EDKN aquatics.

**3332. Program Development/Management in Fitness Industries. 3(3-0)**

Organizational development and management in corporate, commercial and institutional fitness industries. Prerequisites: EDKN 1300 and EDKN 1301.

**3350. Kinesiology and Sport in Society. 3(3-0)**

Impact of kinesiology and sport on society and its institutions. Individual characteristics, motivation, psychological interventions and social processes that influence exercise and human performance behaviors. Prerequisites: EDKN 1300, EDKN 1301 and junior standing.

**3426. Basic Physiology of Exercise. 4(4-0)**

Physiology as applied to exercise and human performance. How the systems of the body respond to both acute and chronic exercise training. Includes required laboratory experiences. Prerequisites: BIOL 2401; credit or registration in BIOL 2402.

**3445. Measurement and Evaluation in Kinesiology. 4(4-0)**

Use and function of the various tests in kinesiology, together with the purpose, scope and techniques of test construction will be analyzed. Sufficient statistical techniques necessary for adequate manipulation and

interpretation will be reviewed. Includes required laboratory experiences. Prerequisites: EDKN 1300, EDKN 1301 or EDHL 1304, and MATH 1314.

**4316. Complex Psychomotor Skills for Children. 3(3-0)**

Developmental movement experiences for children; sport and health-related physical fitness activities, dance, lead up games, gymnastics, game analysis and evaluative criteria for movement skills. Completion of 90 semester hours. Field experience required

**4324. Exercise in Chronic Disease and Disabilities.3(3-0)**

Special exercise testing and exercise program design/implementation considerations for individuals with commonly seen chronic diseases and disabilities. Basic pathophysiology. Prerequisites: EDKN 3326 and senior standing.

**4325. Biomechanics. 3(3-0)**

The study of the human body in its performance of movement and interrelationships of biomechanics, musculoskeletal anatomy and neuromuscular physiology. Prerequisite BIOL 2401.

**4328. Internship I. 3(3-0)**

The student and the university supervisors will develop a contractual agreement which provides for a minimum of 120 clock hours of specific learning experiences on or off campus. Prerequisites: EDKN 3320, EDKN 3426 and senior standing.

**4334. Research Project in Exercise Science. 3(3-0)**

An independent review of literature and a laboratory or field problem yielding a formal report on the research. Prerequisites: Kinesiology majors only, senior standing.

**4342. Motor Skills for Special Populations. 3(3-0)**

Practical considerations for conducting kinesiology programs for individuals of all ages with disabilities. Legal entitlements, integrating persons with disabilities, conducting individualized instruction, physical fitness programs and use of motor skills for transitional living. A minimum of 20 hours of field experiences required. Prerequisite: EDKN 3320.

**4401. Exercise Testing and Prescription. 4(4-0)**

Design and implementation of exercise programs for healthy and special populations based upon appropriate screening and evaluation procedures. Includes required laboratory experiences. Prerequisites: EDKN 3326 and senior standing.

**4417. Advanced Physiology of Exercise. 4(4-0)**

This course investigates the role of various physical environments, activity extremes, and disease status on the human response to physical activity. Additional emphasis is placed on the nutrient demands and role of supplements in human performance. Includes required laboratory experiences. Prerequisites: EDKN 3426 and senior standing.

**5301. Sports Coaching and Officiating. 3(3-0)**

Coaching and coaching strategies, officiating and conducting of sports and athletic programs. Prerequisites: coaching and officiating experience or 4 semester hours of undergraduate coaching and officiating techniques; program majors must have 12 advanced hours in the field.

**5303. Teaching College Physical Education. 3(3-0)**

The basic instructional and co-curricular program of physical education for colleges and universities.

**5305. Graduate Research Project. 3**

A graduate research project must be completed and submitted to the Graduate Office for a grade to be assigned, otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisite: Departmental approval.

**5306. Thesis. 3**

This course is for Plan I students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Prerequisite: Departmental approval and completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis

**5308. Administration of Athletics. 3(3-0)**

The problems, basic procedures and current practices involved in the administration of interscholastic, intercollegiate and professional athletics.

**5309. Organization and Administration of Kinesiology Programs. 3(3-0)**

Principles, practices and applied procedures in the organization, administration and supervision of school physical education programs.

**5312. Physiology of Exercise. 3(3-0)**

Investigates the effects of physical exercise on the function of the human body and physiological responses to exercise that are dependent on its intensity, duration and frequency and the physiological status of the individual and environmental circumstances.

**5315. Current Issues and Trends in Kinesiology Programs. 3(3-0)**

Examines contemporary problems in kinesiology. Prerequisite: program majors must have 12 advanced hours in the field.

**5316. History and Philosophy of Sport and Human Performance. 3(3-0)**

Examines the historical and philosophical perspectives of kinesiology. Prerequisite: program majors must have 12 advanced hours of kinesiology.

**5317. Research in Kinesiology. 3(3-0)**

Introduction to research in kinesiology. Prerequisite: program majors must have 12 advanced hours of kinesiology or EDKN 5338. EDKN 5338 may be co-requisite.

**5333. Seminar in Selected Topics. 3(3-0)**

Special problems in kinesiology, recreation or athletics are identified and researched. May be repeated for credit as topics change. Prerequisite: program majors must have 12 advanced hours in the field. Contact Program Coordinator for specific topics offered.

**5338. Statistical Analysis of Research Data. 3(3-0)**

The statistical analysis and interpretation of research data in health, kinesiology and recreation. Concentration is on the concepts underlying the various statistical tests.

**READING (EDRG)**

**3315. Foundations of Literacy Instruction. 3(3-0)**

This course offers an introduction to literacy development and effective reading instruction, specifically for emerging readers. Main components of this course include: oral language, phonological and phonemic awareness, word analysis and decoding. The key components of fluency, vocabulary and comprehension will also be addressed and strategies for developmentally appropriate instruction will be presented.

**3355. Teaching Reading at the Secondary Level. 3(3-0)**

This course focuses on the teaching of reading and writing within the content areas. Integrative curriculum and cross-discipline instruction is explained and special attention is paid to vocabulary and comprehension instruction particular to the content areas. Details pertaining to research, visual literacy and digital/critical literacy are explained.

**3389. Teaching Reading in the Intermediate Grades and Middle School. 3(3-0)**

Learning and instructional theory applied to reading instruction in grades 4-8. Fifty percent of course time will be spent in a public school setting. Prerequisite: admission to teacher education.

**4307. Literacy Instruction Grades 4-8. 3(3-0)**

Strategies for teaching reading in the content areas with emphasis on the skills necessary for helping students increase their reading vocabulary and reading comprehension. Prerequisite: EDRG 3414 or EDRG 3389.

**4314. Developmental Corrective Reading for Secondary School. 3(3-0)**

The nature of the reading process, reading styles, comprehension instruction, vocabulary development, readability and lesson planning in the content areas. Prerequisite: 9 advanced hours of education or the equivalent.

**4331. Reading Assessment and Intervention. 3(3-0)**

This capstone course focuses on multiple literacy assessments and their use in the classroom setting. Principles of assessment are discussed with a special focus concerning the use of assessment to guide instruction. Also included is differentiated instruction for special populations, language development and reading disabilities. Prerequisite: EDRG 3314.

**5305. Graduate Research Project. 3**

A graduate research project must be completed and submitted to the Graduate Office for a grade to be assigned. Otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisites: EDED 5329 and departmental approval.

**5306. Thesis. 3**

This course is for thesis students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

**5314. Reading Diagnosis and Remediation. 3(3-0)**

This course provides skills, understanding, and identification of specific reading problems through both quantitative and qualitative examination of reading skills. Research into the latest best practices, including individually administered diagnostic instruments will be showcased. Remediation techniques appropriate for overcoming and working within reading difficulties is also explained. Prerequisite: EDRG 5372.

**5332. Using Trade Books to Teach Reading. 3(3-0)**

Content, readability, evaluation, and use of children's books in the elementary classroom are emphasized in this course. Special attention is given to integration, inclusion, and authentic uses for meeting the diverse needs of the student population.

**5348. Workshop in Teaching the Language Arts. 3(3-0)**

The application of methods and materials to develop the essential elements of language arts is discussed. This includes listening, speaking, reading, writing, visualizing, and creating in the classroom and the interrelated nature of these components. Attention is paid to the developmental process of writing from both an elementary and secondary perspective Prerequisite: EDRG 5372

**5371. Foundations of Reading. 3(3-0)**

Various models of the reading process as well as the sociological, physiological, psychological and educational factors influencing reading development are presented and researched: Also included are theories of language and literacy acquisition and development.

**5372. Developmental Reading. 3(3-0)**

This course specifically addresses topics concerning beginning reading. These include word recognition, comprehensive, vocabulary, fluency, phonological awareness, and orthography. The focus of this course is the evaluation of best practices for elementary reading.

**5373. Improving Reading in Secondary Schools. 3(3-0)**

Unique aspects of secondary reading and the particular needs of adolescent readers are examined and appropriate strategies for meeting those needs investigated. Special attention is given to using adolescent literature and other media to engage, promote critical thinking in ways necessary for secondary students.



**5375. Organization and Supervision of Reading Program. 3(3-0)**

Developing, implementing, supervising and evaluating reading programs and various approaches to teaching reading. For principals, supervisors, consultants and reading specialists. Prerequisites: EDRG 5372 and 3 additional hours of reading courses.

**5376. Seminar in Special Problems in Reading. 3(3-0)**

This seminar investigates current issues and trends in reading, language arts, and education. This course may be repeated when course topic change. Prerequisite: 9 hours of graduate reading courses.

**5377. Clinical Practicum in Reading. 3(3-0)**

Experience in developing competency in diagnosis and remediation of reading deficiencies in clinical setting. Prerequisites: EDRG 5314 and EDRG 5372.

**SPECIAL EDUCATION (EDSE)**

**3345. Survey of Exceptional Individuals. 3(3-0)**

A survey of special education with attention devoted to mildly to moderately handicapped individuals in the socio-cultural context: family, community, educational and vocational. This is the first course in the special education sequence.

**3346. Development of Exceptional Individuals. 3(3-0)**

Emphasis is upon the growth and development of exceptional individuals, including comparisons of developmental milestones and the study of causes of behavior and recurring patterns of behavior.-Prerequisite: EDSE 3345.

**3347. Behavior Management for Exceptional Individuals. 3(3-0)**

Approaches to individual and group behavior change and behavior management with exceptional individuals. Includes the observation of exceptional individuals in varying settings.

**3348. Educational Procedures for Exceptional Students. 3(3-0)**

Instructional models and strategies applicable to the educational needs of exceptional individuals. This is the last course in the special education sequence Prerequisite: EDSE 3345.

**4340. Collaboration and Transition Services in Inclusive Settings. 3(3-0)**

Consultation skills for effective collaboration with families and among professionals toward the goal of inclusion of students with exceptionalities in least restrictive environments. Prerequisite: EDSE 3345.

**4346. Assessment of Exceptional Individuals. 3(3-0)**

Formal and informal assessment procedures applicable to identification of and instructional planning for exceptional individuals. The theory and content of instruments used to identify, analyze and evaluate the strengths and learning needs of exceptional individuals are emphasized. Prerequisite: EDSE 3345.

**4347. Federal and State Regulations Concerning Exceptional Individuals. 3(3-0)**

Principles and procedures designed to comply with the various rules and regulations concerning exceptional individuals. Prerequisite: EDSE 3345.

**5304. Research in Special Education. 3(3-0)**

Presents the principles and methodology of conducting research in special education; reviews and evaluates pertinent research studies and recent trends in the field; facilitates the preparation for a proposal for a research project.

**5305. Graduate Research Project. 3**

A graduate research project must be completed and submitted to the Graduate Office for a grade to be assigned, otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisite: departmental approval.

**5306. Thesis. 3**

This course is for Plan I students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

**5307. Research Seminar: Gifted Education. 3(3-0)**

Includes a review and critique of the research literature exploring the controversies and trends surrounding the education of gifted learners.

**5313. Special Populations: Legislation, Litigation and Advocacy. 3(3-0)**

State and federal legislation and litigation ensuring the rights of special populations for full participation in American society. Effective lifespan advocacy with and for individuals from special populations and their families. Prerequisite: EDSE 5360.

**5320. Special Problems: Advanced Behavioral Interventions. 3(3-0)**

Study of designated areas in special education as approved by the University. May be repeated for credit when topics change. Prerequisite: EDSE 5360.

**5322. Educational Testing and Measurement for Exceptional Learners. 3(3-0)**

Examination of basic testing procedures and terminology as related to the exceptional learner. Analysis of statistics used in test development and interpretation of test data. Utilization of test data in developing individual education plans for effective programming. Prerequisite: EDSE 5360

**5323. Curriculum Adaptations for Exceptional Bilingual Students. 3(3-0)**

Curriculum needs and program planning for culturally and linguistically different exceptional students. Prerequisite: EDSE 5360.

**5333. The Bilingual Child in Special Education. 3(3-0)**

An overview of special education issues relevant to handicapped, limited English proficient children. Prerequisite: EDSE 5360.

**5336. Methods, Materials and Curriculum for Teaching Gifted Students. 3(3-0)**

Explores the identification of gifted students, the scope and sequence of programs, curriculum models and instructional strategies.

**5350. The Education of Gifted Learners. 3(3-0)**

Provides the foundation for studies in the education of students who are gifted and talented, including the nature and needs of the students and the theories, models and applications underlying educational programming.

**5360. Accommodating Diverse Populations in the Classroom. 3(3-0)**

Introduction to the characteristics and education of exceptional learners. Emphasizes classroom practices and psychological, sociological and medical aspects of disabilities. Inclusionary practices in various educational contexts are investigated. This course will require 15 hours of field observation.

**5361. Educational and Psychological Measurement and Evaluation. 3(3-0)**

Diagnostic and instructional assessment of individuals with handicaps for collaborative education decision-making. Selection and administration of measures for comprehensive evaluation of individuals within their environments. A minimum of 15 hours of field experience is required. Prerequisite: EDSE 5360.

**5362. Behavioral Aspects of Classroom Organization and Management. 3(3-0)**

Development of a broadened perspective on socioemotional disorders. Educational translation and synthesis of psychoeducational theoretical approaches and classroom application into the most viable alternatives to meet the educational needs of special populations. A minimum of 15 hours of field experience is required. Prerequisite: EDSE 5360.

**5364. Designing Instructional and Behavioral Programs for Special Populations. 3(3-0)**

Major program designs, curricular goals, content and instructional strategies effective with persons identified as

having a range of handicapping conditions and provision of a supportive rationale for these strategies based upon current literature, research and practice. A minimum of 15 hours of field experience is required. Prerequisite: EDSE 5360.

**5365. Advanced Practicum in Special Education. 3(3-0)**

Individualized field experiences providing opportunity for observation, research and intervention with persons who are handicapped. Experiences in direct and indirect service in professional settings. Prerequisite: EDSE 5360.

**5366. Individual Psychological and Educational Evaluation. 3(3-0)**

Focuses on opportunities for gaining extensive field experience in the administration of standardized individual psychological and educational batteries to children and youth, ages 3-21. Prerequisites: EDSE 5360, EDSE 5361.

**5367. Assessment of Individuals with Severe Disabilities. 3(3-0)**

Presents a variety of assessment techniques and tools designed specifically for individuals teaching or assessing students with severe disabilities. A minimum of 15 hours of field experience is required. Prerequisites: EDSE 5360, EDSE 5361.

**5370. Identification of Young Children with Special Needs. 3(3-0)**

Process of identifying young children, ages birth to six, who have disabilities. Assessment strategies and techniques will be emphasized. Fifteen hours of field work are included. Prerequisites: EDSE 5360, EDSE 5361.

**5373. Development and Disability. 3(3-0)**

Emphasizes development from the prenatal period through early adulthood. Considers various theories and factors affecting human differences. Explores the cognitive, affective and psychomotor development of persons having a range of disabilities, from mild to multiple and severe. Prerequisite: EDSE 5360.

**ENGLISH AS A SECOND LANGUAGE (EDSL)**

**5321. Introduction to Educational Research in English as a Second Language. 3(3-0)**

This course is designed to encourage students to become more critical consumers of educational research in English as a Second Language. This course introduces concepts, principles and methods recognized as fundamental to the design and implementation of educational research studies. In addition, this course develops familiarity with literature reviews, construction of research questions, construct development, variable selection and selection of measurement strategies.

**5330. ESL Assessment for Elementary/Secondary Levels. 3(3-0)**

An overview of testing theories and procedures; review of tests available for use in ESL classrooms. Prerequisite: Admittance to Master's program in Bilingual Education.

**5334. Analysis of Contrasting Spanish and English Language. 3(3-0)**

This course offers a comparative study between two languages and the inherent problems of learning English by Spanish speakers. Students will be able to learn the differences, and the potential areas of difficulty encountered by the English language learner.

**5336. Differentiating Instructional Materials for Elementary and Secondary Classrooms. 3(3-0)**

This course will offer the theoretical and historical differentiated instruction and presents strategies designed to respond to the varying needs of students. Understanding the underpinnings, parameters, and principles of differentiation will guide in designing and individualizing learning activities to meet the needs of all students, including the ELL strengths, interests and readiness.

**5367. Language Acquisition and Development. 3(3-0)**

Theories of child's first language acquisition and second language learning presented and researched.

**5377. Teaching English as a Second Language. 3(3-0)**

Theories and methodologies for teaching listening, speaking, reading and writing of English as a second language.

## ENGLISH (ENGL)

### **3300. Special Topics in Writing. 3(3-0)**

Practice and refinement of the writing process with emphasis on audience, purpose and form; paying attention to rhetorical invention, arrangement and style appropriate to the particular topic. May be repeated when a different topic is scheduled. Prerequisite: 3 semester hours of sophomore English or permission of instructor.

### **3350. Introduction to Advanced Literature. 3(3-0)**

This course will provide students with instruction for successfully completing 4000-level literature courses by covering a range of literary periods and nationalities and literary terminology as well as refining writing and documentation conventions. Prerequisite: 3 semester hours of sophomore English or permission of instructor.

### **3360. Poetry and Poetics. 3(3-0)**

Studies in British, American and/or Anglophone poetry by major and lesser-known poets. Provides a basic knowledge of scansion in English with some concentration on the historical development of metrics. Prerequisite: 3 semester hours of sophomore English or permission of instructor.

### **3365. Short Stories. 3(3-0)**

A study of the short story (American, British and/or Anglophone) from its beginnings in the mid-nineteenth century to the present. Prerequisite: 3 semester hours of sophomore English or permission of instructor.

### **3373. Children's Literature. 3(3-0)**

Books for children from nursery school through middle school. Students participate in writing poetry, choral reading, book reviewing, story-telling and responding to books in a variety of ways. Prerequisite: 3 semester hours of sophomore English or permission of instructor.

### **3376. Mythology. 3(3-0)**

Greek and Roman mythology; epics of Western Europe, as background for the study of literature in the English language. Prerequisite: 3 semester hours of sophomore English or permission of instructor.

### **4310. Introduction to Linguistics. 3(3-0)**

An introduction to the scientific study of language. Prerequisite: 6 semester hours of sophomore English.

### **4312. Advanced Composition. 3(3-0)**

Study of advanced research methods, writing, rhetoric, and grammar. Prerequisite: 6 semester hours of sophomore English.

### **4322. British Literature of the Middle Ages. 3(3-0)**

Selected readings in translation from Old English to Middle English poetry and prose, with emphasis on *Beowulf*, the Arthurian legends and the *Canterbury Tales*. Prerequisite: 6 semester hours of sophomore English.

### **4325. Literature of the British Renaissance. 3(3-0)**

Selected readings in poetry, prose and non-Shakespearean drama of the 16th and 17th centuries. Prerequisite: 6 semester hours of sophomore English.

### **4327. Restoration and Eighteenth-Century British Literature. 3(3-0)**

The period from 1660 to 1800 with representative works of the major writers in verse, prose and drama. Prerequisite: 6 semester hours of sophomore English.

### **4331. The Major Plays of Shakespeare. 3(3-0)**

A close analysis of representative comedies and histories and the major tragedies. Prerequisite: 6 semester hours of sophomore English.

### **4341. Studies in the British Novel. 3(3-0)**

Study of significant British novels, with emphasis upon such authors as Fielding, Richardson, Eliot, Hardy, Burgess and Joyce. Prerequisite: 6 semester hours of sophomore English.

**4342. British Romantic Literature. 3(3-0)**

Canonical and noncanonical writers associated with the Romantic period. Cultural background and representative works, including poetry and nonfiction prose. Prerequisite: 6 semester hours of sophomore English.

**4344. Victorian Literature. 3(3-0)**

Canonical and noncanonical writers of the Victorian period. Cultural background and representative works, including poetry and nonfiction prose. Prerequisite: 6 semester hours of sophomore English.

**4346. Twentieth Century British Literature. 3(3-0)**

Chief modern British writers of poetry, prose and drama. Prerequisite: 6 semester hours of sophomore English.

**4361. Studies in the American Novel. 3(3-0)**

Study of significant American novels. Emphasis may be on historical development, certain periods, special topics treated by American novelists or varieties of American fiction. Prerequisite: 6 semester hours of sophomore English.

**4365. Colonial and Nineteenth Century American Literature. 3(3-0)**

Survey of the chief nineteenth century poets and prose writers, with some attention to their colonial predecessors. Prerequisite: 6 semester hours of sophomore English.

**4366. Twentieth Century American Literature. 3(3-0)**

Survey of the chief twentieth century American poets and prose writers. Prerequisite: 6 semester hours of sophomore English.

**4370. Special Topics in Literature or Language. 3(3-0)**

Selected topics in British or American literature and/or world literature and language. A topic for intensive investigation will be selected for each offering of the course. May be repeated once for credit. Prerequisite: 6 semester hours of sophomore English. (Credit may not be obtained in both ENGL 4370, and, when topic is taught from a women's studies perspective, WMST 4370.)

**4375. Studies in Women's Literature. 3(3-0)**

Study of women's literature based on a selected period, nationality, and/or issue. Can be team-taught from an interdisciplinary perspective. (Credit may not be obtained in both ENGL 4375 and WMST 4375.) Prerequisite: 6 semester hours of sophomore English.

**4384. Studies in Drama. 3(3-0)**

Selected topics in American, British or Continental drama. Emphasis may be on historical development, certain periods or some other approach to the study of drama. May be repeated once when a different topic is scheduled. Prerequisite: 6 semester hours of sophomore English.

**4385. Studies in Multi-ethnic Literatures. 3(3-0)**

Study of multicultural literatures based on a selected period, nationality, and/or issue. Can be team-taught from an interdisciplinary perspective. Prerequisite: 6 semester hours of sophomore English.

**4392. Teaching Literature. 3(3-0)**

Required course for ENGL with Teaching Certification students. The course focuses on teaching novels, short stories, poetry, drama, and film to students in grades 4-12. Students will create classroom activities and lesson plans, research and analyze pedagogy, and complete a teaching portfolio. Prerequisite: 9 advanced hours of English.

**4395. Visual Studies. 3(3-0)**

Study of film, television, advertising, photography, and/or graphic novels. Can be team-taught. Prerequisite: 6 hours of sophomore English.

**4398. Senior Seminar. 3(3-0)**

An intensive examination of a critical literary approach or a special topic in literary and cultural studies requiring the production of an extensive research-based project. Prerequisite: completion of either the British or American

literature requirement (ENGL 4322, 4325, 4327, 4331, 4341, 4342, 4344, 4346, 4361, 4365, or 4366)

**5300. Research Methods. 3(3-0)**

Methods of research in literature, linguistics and rhetoric and composition. Must be taken by all graduate English majors and supporting fields during the first year of enrolling in the program. Prerequisite: 12 semester hours of advanced English.

**5301. Topics in Rhetoric and Composition. 3(3-0)**

Study of a specific topic in the art of writing and/or in the teaching of that art. May be repeated when a different topic is scheduled. Prerequisite: 12 semester hours of advanced English.

**5305. Graduate Research Project. 3(3-0)**

A graduate research project must be completed and submitted to the Graduate Office for a grade to be assigned, otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisite: departmental approval.

**5306. Thesis. 3(3-0)**

This course is for Plan I students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

**5310. Topics in Linguistics. 3(3-0)**

Study of a specific topic in descriptive, contrastive, variational, or historical linguistics. May be repeated when a different topic is scheduled. Prerequisite: 12 semester hours of advanced English or equivalent.

**5320. Topics in British Literature. 3(3-0)**

Study of an author, literary period or other specific topic in British literature. May be repeated when a different topic is scheduled. Prerequisite: 12 semester hours of advanced English.

**5330. Gender Studies. 3(3-0)**

Study of gender in literature and theory. Can be team-taught from an interdisciplinary perspective. Prerequisite: 12 semester hours of advanced English.

**5340. Major Authors. 3(3-0)**

Study of one or two major authors, their canonical and noncanonical works, as well as related literary criticism. Prerequisite: 12 semester hours of advanced English.

**5350. Studies in Multi-Ethnic Literatures. 3(3-0)**

Study of multicultural literature and theory. Can be team-taught from an interdisciplinary perspective. Prerequisite: 12 semester hours of advanced English.

**5360. Topics in American Literature. 3(3-0)**

Study of an author, literary period or other specific topic in American literature. May be repeated when a different topic is scheduled. Prerequisite: 12 semester hours of advanced English.

**5370. Special Topics in Literature. 3(3-0)**

Study of a specific topic in literature written in or translated into the English language. May be repeated when a different topic is scheduled. Prerequisite: 12 semester hours of advanced English.

**5380. Visual Studies. 3(3-0)**

Study of film, television, advertising, graphic novels, and/or photography as well as current theory. Can be team-taught. Prerequisite: 12 semester hours of advanced English.

**FINANCE (FINC)**

**3328. Internship in Finance. V:1-3**

An off-campus learning experience allowing the acquisition and application of finance skills in an actual work setting. Prerequisites: Successful completion of the business prerequisites. Approval of a faculty coordinator, the department chair, and School of Business Head.

**3333. Commercial Bank Management. 3(3-0)**

Problems confronting commercial banks: development and application of credit standards, decisions on loan applications, liquidity management and profit sensitivity to varying interest rates. Prerequisite: ECON 3331. Successful completion of the business prerequisites.

**3337. Business Finance. 3(3-0)**

Determining and analyzing the forms of business enterprise. Analysis of the techniques, methods and procedures used in the acquisition and proper employment of funds in the business entity. Prerequisite: BUAD 3301 Successful completion of the business prerequisites.

**3338. Financial Statement Analysis. 3(3-0)**

Analysis and interpretation of financial statements for the guidance of management, stockholders and other stakeholders. Establishment of firms' business profiles; quality of earnings issues; and stock valuation. Prerequisite: Successful completion of the business prerequisites.

**3345. Real Estate Finance. 3(3-0)**

Real estate valuation and methods of financing real estate transactions, property management and taxation. Instruments and sources of real estate credit. Real estate appraisal theory and practice. Real estate investment trusts (REIT). Prerequisite: Successful completion of the business prerequisites.

**3351. Insurance and Risk Management. 3(3-0)**

Principles and practices of risk management and insurance. Property and casualty insurance, fire insurance, consequential loss, transportation insurance, automobile insurance, crime insurance and disaster insurance. Individual life insurance, annuities and health insurance products with emphasis on policy coverage. Prerequisite: Successful completion of the business prerequisites

**4331. Investments. 3(3-0)**

Principles governing the proper investment of personal and institutional funds; the characteristics of a sound investment and the analysis of the different securities offered to investor. Prerequisites: FINC 3337. Successful completion of the business prerequisites

**4332. Portfolio Management. 3(3-0)**

Analysis and evaluation of the decision-making process in investments. Asset valuation, portfolio and risk management and performance evaluation. Theoretical and analytical developments in security selection and portfolio management. Prerequisite: FINC 4331. Successful completion of the business prerequisites

**4336. Financial Management. 3(3-0)**

Finance function and its integration into the administration of the firm. Selected case studies and problems illustrate techniques used in financial decision making and optimum capital utilization. Prerequisite: FINC 3337. Successful completion of the business prerequisites

**4341. Financial Markets and Institutions. 3(3-0)**

Financial markets and institutions in the U.S. economy. Determinants of savings and investments, interest rates and flow of funds. Role of regulatory agencies governing financial markets and institutions. Money and capital market instruments and institutions. Prerequisite: ECON 3331. Successful completion of the business prerequisites

**4342. International Finance. 3(3-0)**

Foreign exchange markets, balance of international payments, short-term borrowing and investment decisions. Changes in exchange rates: pricing, profitability and output decision, international aspects of capital decisions. Prerequisite: FINC 3337. Successful completion of the business prerequisites

**4360.Options and Futures. 3(3-0)**

Structure of the options and futures markets and the trading system of derivatives. Options and futures pricing theory. Analysis of hedging strategies using options and futures. Role of options and futures trading strategies as part of portfolio management, performance evaluation and investment planning. Prerequisite: FINC 4331. Successful completion of the business prerequisites

**4362. Planning and Capital Budgeting. 3(3-0)**

Corporate analysis of valuations and investments, capital budgeting and financing, credit and debt management, risk management and taxation. Short-term planning including cash and working capital management. Long-term planning including debt and equity management. Prerequisite: FINC 3337. Successful completion of the business prerequisites

**4364. Business Forecasting. 3(3-0)**

Techniques for statistically sound business forecasting. Graphical analysis and concepts such as seasonality, trends and cycles. Advanced forecasting using ARMA modeling as well as regression. Prerequisite: BUAD 3355. Successful completion of the business prerequisites

**4366. Entrepreneurial Finance. 3(3-0)**

Financial issues affecting entrepreneurial investments associated with small or rapidly growing ventures. How investors and entrepreneurs create value. Strategic and business planning, financial forecasting, valuation, organizational design and financial contracting, and harvesting strategies.: Prerequisite: FINC 3337. Successful completion of the business prerequisites

**4393. Special Problems in Finance. 3(3-0)**

Special studies in finance. May be repeated once for credit. Prerequisite: consent of the instructor. Successful completion of the business prerequisites

**5150. Foundations of Finance. 1.5(1.5-0)**

An introduction to the principles of finance for graduate students with limited background in finance or business. The course will focus on the basic foundations of financial management of corporations and will include the study of valuation methods for financial assets, relationship between risk and return, the methods and procedures used in capital budgeting and financing of a corporation.

**5331. Managerial Finance. 3(3-0)**

An advanced study of the theoretical framework of corporate financial management. Combines theory and case analysis to integrate principles with practice. Emphasis on the relevant theory and the application of theory to managerial problems. Applies concepts of corporate finance, accounting principles and quantitative analysis. Prerequisite: FINC 5150 or equivalent.

**5336. Investment Analysis. 3(3-0)**

A study of the financial markets, investment theory, security valuation, investment goals and portfolio selection. Professional investment management techniques are examined in the context of modern portfolio theory. A unified systems approach is adopted for investment selection and control. Prerequisite: FINC 5331.

**5339. Special Problems in Finance. 3(3-0)**

Special studies or internship in finance. May be repeated once for credit.

**5341. Financial Markets & Institutions. 3(3-0)**

Nature and role of financial markets and institutions in the U.S. economy. Determinants of savings, investments, interest rates, and flow of funds. Role of regulatory agencies and regulations governing financial markets and institutions. Studies of various money and capital market instruments and institutions. Prerequisite: FINC 5331.

**5342. International Financial Management. 3(3-0)**

Financial management of the multinational firms. The determinants of exchange rates and the management of exchange rate risk. The financial analysis and control of foreign investment decisions, management of working capital, participation in the international capital markets, financing of international trade, and management of corporate risk. Prerequisite: FINC 5331.



**5360. Financial Derivatives. 3(3-0)**

Structure of the options and futures markets and the trading system of derivatives. Options and futures pricing theory. Analysis of hedging strategies using options and futures. Role of options and futures trading strategies as part of portfolio management, performance evaluation, and investment planning. Prerequisite: FINC 5336.

**5362. Corporate Valuation & Strategy. 3(3-0)**

Corporate financial analysis of valuations and investments, capital budgeting and financing, credit and debt management, risk assessment and management. The techniques and issues involved in strategic long-term investment decisions. Analysis of the concepts of the cost of capital and financial structure, dividend policy, forecasting, cash flow analysis, short-term and long-term financial planning. Prerequisite: FINC 5331.

**GEOGRAPHY (GEOG)**

**3305. Environmental Geography. 3(3-0)**

The nature, geographic distribution, use and misuse of global resources with emphasis on those of North America. Ecosystems, air, water, soil, mineral and energy resources will be considered. Prerequisites: 3 semester credit hours of Geography or a science course (see General Education Requirements *Natural sciences* component).

**3331. United States and Canada. 4(3-3)**

The regional aspects of landforms, climate, resources and peoples of United States and Canada. Prerequisite: 12 semester hours of social sciences.

**HISTORY (HIST)**

**4301. Methods of Historical Research. 3(3-0)**

Procedures and methods of historical research. Introduction to types of historical data, the analysis of sources, the use of computer techniques in historical research and the methods of historical writing. Prerequisite: 6 semester hours of history.

**4312. Europe in the Middle Ages. 3(3-0)**

Political, economic and cultural developments in Europe from the fall of the Roman Empire to the Renaissance. Prerequisite: 12 semester hours of History and/or Political Science.

**4315. Early Modern Europe to 1815. 3(3-0)**

Political, economic, and cultural developments in Europe including the Renaissance, Reformation, and Enlightenment periods. Prerequisite: 12 semester hours of History and/or Political Science.

**4316. Europe, 1815-1914. 3(3-0)**

Political, social and economic developments in Europe from the Congress of Vienna to the outbreak of World War I with emphasis on the rise of liberalism, nationalism and imperialism. Prerequisite: 12 semester hours of History and/or Political Science.

**4318. Europe Since 1914. 3(3-0)**

Political, social and economic developments in Europe from World War I to the present. Prerequisite: 12 semester hours of History and/or Political Science.

**4319. The Holocaust. 3(3.0)**

Origins, history, and course of the National Socialist effort to annihilate the Jews of Europe. Prerequisite: 12 semester hours of History and/or Political Science.

**4330. Colonial America to 1763. 3(3-0)**

English colonization, Anglo-Indian relations, the emergence of slavery, Puritanism, ending with the French & Indian War. Prerequisite: 12 semester hours of History and/or Political Science.

**4331. American Revolution and Early Republic, 1763-1850. 3(3-0)**

American rebellion, the Revolution, the Confederation period, the Constitution, the Federalist, Jeffersonian, and Jacksonian eras, ending with the Mexican American War and the Compromise of 1850. Prerequisite: 12 semester hours of History and/or Political Science.

**4334. The Civil War and Reconstruction. 3(3-0)**

Secession, formation of the Confederacy, military campaigns and Reconstruction. Prerequisite: 12 semester hours of History and/or Political Science.

**4335. Gilded Age and the Progressive Era, 1877-1920. 3(3-0)**

Industrial revolution, labor-business struggles, rise of Jim Crow, urbanization, immigration, Populism, Progressivism, World War One. Prerequisite: 12 semester hours of History and/or Political Science.

**4336. America's Rise to World Power, 1920-1945. 3(3-0)**

The 1920s, the Great Depression, and World War II. Prerequisite: 12 semester hours of History and/or Political Science.

**4338. The United States Since 1945. 3(3-0)**

Post-war abundance, the Cold War, social and cultural changes, the Vietnam era and the post-Nixon years. Prerequisite: 12 semester hours of History and/or Political Science.

**4340. United States Social and Cultural History. 3(3-0)**

The development of American society and culture with emphasis on religious trends, ethnic groups and the family. Prerequisite: 12 semester hours of History and/or Political Science.

**4342. United States Foreign Policy. 3(3-0)**

American foreign relations from the Revolution to the present with emphasis on the 20th century. Prerequisite: 12 semester hours of History and/or Political Science.

**4344. American Frontier. 3(3-0)**

The influence of successive frontiers upon American political, economic and social development from the earliest settlements to 1890. Prerequisite: 12 semester hours of History and/or Political Science.

**4346. Texas History. 3(3-0)**

Spanish background, Anglo-American settlement, the Revolution and Republic, statehood; economic, cultural and political development. Prerequisite: 12 semester hours of History and/or Political Science.

**4348. History of the Mexican-American in the Southwest. 3(3-0)**

A survey from the first Spanish settlers to the present. Prerequisite: 12 semester hours of History and/or Political Science.

**4351. Latin America I: Colonial Era. 3(3-0)**

Historical background of early Latin America from pre-Columbian times to the 19<sup>th</sup> century. Prerequisite: 12 semester hours of History and/or Political Science.

**4352. Latin America II: Modern Era. 3(3-0)**

Historical background of contemporary Latin America. Prerequisite: 12 semester hours of History and/or Political Science.

**4356. Mexico. 3(3-0)**

Political, economic and social history of Mexico from pre-Columbian times to the present. Emphasis on the last century. Prerequisite: 12 semester hours of History and/or Political Science.

**4358. Asian History. 3(3-0)**

An introduction to political, social, cultural and economic Asian history from antiquity to the present. Emphasis on the study not only of important Asian leaders, cultures and societies, but also of the various religions and philosophies which originated in Asia. Prerequisite: 12 semester hours of History and/or Political Science.

**4360. Women in History. 3(3-0)**

Investigation of the social, economic and political position of women from the Renaissance to contemporary America and a comparison of the ideal expounded by different historical epochs with woman's actual role in each society. (Credit may not be obtained in both HIST 4360 or WMST 4360.) Prerequisite: 12 semester hours of History and/or Political Science.

**4361. African American History. 3(3-0)**

A survey of the African American experience from the colonial period to the post-civil rights era. Prerequisite: 12 semester hours of History and/or Political Science.

**4363. War and Society. 3(3-0)**

The social, economic, political, and technological impact of warfare in world history.

Prerequisite: 12 semester hours of History and/or Political Science and HIST 2321 and HIST 2322.

**4370. Crucial Topics in European History. 3(3-0)**

Intensive seminar on a specialized topic in European history, culminating in the production of a significant research paper. May be repeated for credit as the topic changes. Prerequisite: 12 semester hours of History and/or Political Science.

**4380. Crucial Topics in United States History. 3(3-0)**

Intensive seminar on a specialized topic in United States history, culminating in the production of a significant research paper. May be repeated for credit as topic changes. Prerequisite: 12 semester hours of History and/or Political Science.

**4392. Crucial Topics in Latin American History. 3(3-0)**

Intensive seminar on a specialized topic in Latin American history, culminating in the production of a significant research paper. May be repeated for credit as the topic changes. Prerequisite: 12 semester hours of History and/or Political Science.

**4396. Crucial Topics in Non-Western History. 3(3-0)**

Intensive seminar on specialized topics in Non-Western history, culminating in the production of a significant research paper. May be repeated for credit as the topic changes. Prerequisite: 12 semester hours of History and/or Political Science.

**4398. History Internship. 3(3-0)**

Supervised professional experience in a museum, archive, public history site, or other community setting. Student may repeat this class for a maximum of 6 semester credit hours. Prerequisite: Approval of History faculty.

**MATHEMATICS (MATH)**

**3415. Calculus III. 4(3-0-2)**

This course covers sequences and series, functions of several variables, three dimensional geometry, partial derivatives, multiple integrals, line and surface integrals, Green's Theorem, Stroke's Theorem, and applications. Prerequisite: MATH 2314 or MATH 2414.

**3320. Differential Equations. 3(3-0)**

The ordinary differential equations of physics, chemistry and engineering; methods for their solution and the properties of their solution. Introduction to partial differential equations. Prerequisite: MATH 2414.

**3325. An Introduction to Mathematical Proofs. 3(3-0)**

Principles and techniques of discovering and writing correct mathematical proofs. Independently prove theorems from various areas in mathematics, which may include topics from logic, the structure of the real number system, number theory, geometry and algebra. Prerequisite: MATH 2413.

**3340. Linear Algebra with Applications. 3(3-0)**

Systems of linear equations, matrices, determinants, vector spaces, eigenvectors, eigenvalues, orthogonality, linear transformations and their representations by matrices, and applications. MATH 2413. Laboratory fee, \$5.

**3350. Probability and Statistics for Teachers. 3(3-0)**

Principles and practices of probability and statistics designed for education students seeking a Generalist (4-8) with Math concentration degree. The course explores statistical applications applying descriptive statistics, interval estimates, hypothesis tests, linear regression with an emphasis on data description and interpretation. Prerequisite: Math 1314.

**3360. Modern Geometry. 3(3-0)**

An axiomatic approach to geometry to include contrasting traditional and modern approaches to geometry, an introduction to non-Euclidean geometry with historical perspectives, and applications. Prerequisite: Math 3325.

**3370. Discrete Mathematics. 3(3-0)**

This course covers many topics in mathematics which are important in computer science. Some of these topics are sets, relations, functions, algorithms, graphs, monoids, lattices, Boolean algebras and graphs. Prerequisite: 3 semester hours of advanced mathematics.

**3371. Problem Solving with Computers. 3(3-0)**

Brief historical overview of computing and computers; strategies for solving problems by computers; programming in a higher level language. Not applicable for credit in the physical sciences or engineering. Prerequisite: MATH 2413.

**3390. Selected Topics in Mathematics. 3(3-0)**

Different topics will be covered at varying times. May be repeated for credit with consent of the instructor. Prerequisite: 3 semester hours of advanced mathematics.

**4301. Biostatistics. 3(3-0)**

For students in biology, health sciences, human sciences and wildlife science. Descriptive and inferential statistics, basic probability concepts, probability distributions, estimation, hypothesis testing, correlation, simple linear regression, principles of epidemiology, statistical vs. clinical significance and quasi-statistical methods. Prerequisite: MATH 1314. Laboratory fee: \$5.

**4303. Statistical Methods. 3(3-0)**

Calculus-based probability, discrete and continuous random variables, joint distributions, sampling distributions, the central limit theorem, descriptive statistics, interval estimates, hypothesis tests, ANOVA, correlation and simple regression. Prerequisite: MATH 2414.

**4321. Real Variables. 3(3-0)**

The real number system, its structure and properties. Properties of real functions and sequences, including uniform continuity and the Cauchy criterion. Introduction to the theory of sets. Theory and application of the derivative. Introductory concepts of function spaces, norms and metrics. Prerequisite: 6 semester hours of advanced mathematics, including MATH 3325.

**4330. Number Theory. (3-0)**

The course explores fundamental concepts in elementary number theory to include divisibility, congruence relations, rational integers, Diophantine equations, quadratic reciprocity, integral domains, and related topics. Prerequisites: Math 3325 and Math 3370.

**4340. Modern Algebra. 3(3-0)**

Properties of the Integers: divisibility, prime factorization and congruences. Integral domains, rings and fields. Groups, permutations and cosets. A historical development of these topics is included. Not applicable for credit in the physical sciences or engineering. Prerequisite: MATH 3325.

**4341. Linear Algebra and Matrix Theory. 3(3-0)**

Vector spaces, subspaces, bases and dimension. Orthogonality, normal forms, eigenvalues, linear and special

transformations, and applications. Prerequisite: 6 semester hours of advanced mathematics or permission of instructor. Laboratory fee, \$5.

**4345. Communicating Mathematics in the Workplace. 3 (3-0)**

This course is designed to connect the application of mathematical concepts from various core courses to communicate mathematical results effectively within a work environment. Topics include different roles a mathematician may take within an organization with emphasis on communicating and presenting results when applying various levels of modeling, analysis, and mathematical concepts. Prerequisite: Math 3320 and Math 3370.

**4350. Probability. 3(3-0)**

Sample spaces, combinatorics, independence, conditional probability and Bayes' rule. Discrete and continuous probability distributions, Chebychev's inequality and limit theorems. Prerequisite: MATH 3415 or consent of instructor.

**4370. Vector Analysis. 3(3-0)**

Vector algebra and geometry. Scalar and vector products. Vector functions and motion in polar coordinates. Scalar and vector fields with applications to line and surface integrals. Prerequisites: MATH 3415 and MATH 3320 or equivalent.

**4371. The Laplace Transformation and its Applications. 3(3-0)**

An introduction to the theory of the Laplace Transformation. Applications to the solution of ordinary and partial differential equations, integral equations, difference equations and integro-differential equations. An introduction to other types of integral transformations. Prerequisites: MATH 3415 and MATH 3320.

**4374. Numerical Analysis. 3(3-0)**

The mathematical formation of the concepts in numerical analysis. These concepts include the theory of errors, roots of equations, interpolation, linear systems of equations, numerical differentiation, and integration and solutions of ordinary differential equations. Prerequisites: MATH 3415 and MATH 3320.

**MANAGEMENT (MGMT)**

**3311. Principles of Management. 3(3-0)**

Introduction to the management of business organizations. The functions of management and role of the manager. Managerial decision-making, communication, social responsibility and business ethics. How organizational power and politics affect the manager.

**3314. Principles of Business Logistics. 3(3-0)**

A total systems approach to managing the logistical activities of the firm. Analysis of total cost balanced against customer service. Warehousing, transportation, inventory control, packaging, handling and order processing activities are surveyed. Cross-listed with MKTG 3314 Prerequisite: MKTG 3361. Successful completion of the business prerequisites.

**3320. Supply Chain & Operations Management. 3(3-0)**

A survey of lean, quality, supply chain, and other operations management guiding concepts and quantitative tools utilized to plan, design, control physical resources/business information to produce/provide goods /services from raw material supplier to end customer. Prerequisite: Senior standing.

**3325. Human Resources Management and Procedures. 3(3-0)**

Human resources planning, employment, appraisal, training and pecuniary compensation; applicable federal and state legislation.

**3328. Internship in Management. V:1-3**

An off-campus learning experience allowing the acquisition and application of management skills in an actual work setting. Prerequisites: Approval of a faculty coordinator, the department chair, and the school of business head. Prerequisite: Successful completion of the business prerequisites.

**4311. Project Management. 3(3-0)**

This course examines the concepts, principles, and applications of project management in the business environment, including the study of project management procedures, project management tools, organizational structure, management of project team members, and the planning, organizing, and control activities necessary for good project. There will be an emphasis of information technology (IT) in the course lectures; however, projects do not have to include an IT component. Cross-listed with CISA 4311. Prerequisite: Successful completion of the business prerequisites.

**4312. Risk Management. 3(3-0)**

This course is an overview of the basic components of risk as they pertain to technical projects. Topics include risk identification, risk impact analysis, risk response planning, mitigating risk, and risk management techniques. Cross-listed with CISA 4312. Prerequisite: CISA/MGMT 4311. Successful completion of the business prerequisites.

**4323. Total Quality & Lean Management. 3(3-0)**

The design, evaluation, employment, and integration of total quality and lean management principles and practices within a supply chain environment. Includes customer focus, statistical process control, design for quality, waste reduction, continuous improvement, standardized work, workplace organization, set-up time reduction, lot size reduction, preventive maintenance, management and workforce practices, and pull production systems are emphasized. Prerequisite: MGMT 3320. Successful completion of the business prerequisites.

**4326. Labor Relations & Collective Bargaining. 3(3-0)**

This course offers students a survey of the historical, legal and social framework for and the process of negotiating a labor contract and handling typical grievance issues. Students will examine key elements to the organizing process, contract negotiations, and contract administration. Cognitive elements emphasized include knowledge, comprehension, application, and analysis. Students will have the opportunity to develop skills important to the performance of managing labor relations activities. Prerequisite: senior standing. Successful completion of the business prerequisites.

**4325. Management Decision-Making and Business Policy. 3(3-0)**

To provide a capstone course for the graduating senior majoring in business that will allow him or her to practically apply the concepts and theories learned in the undergraduate program. The student will do this through integrating those principles with the ones that serve as the theoretical framework for the field of strategic management. The end result of this process will be a student who is able to analyze complex business problems and to effectively make decisions that affect the entire organization. Prerequisite: Completed in the final semester of the B.B.A. program.

**4327. Organization Theory and Human Behavior. 3(3-0)**

Various organizational structure models and supporting theory, organizations as complex systems, organizational behavior, individual and group dynamics in the business environment, organization development and change. Prerequisite: senior standing. Successful completion of the business prerequisites.

**4330. Purchasing & Supply Management. 3(3-0)**

Study of the procurement of goods and services resulting from internal needs assessment, and the application of principles of negotiation, purchasing processes, vendor relationship concepts, contract management, receiving, inventory and materials management, and production control, in a supply chain environment with domestic and international suppliers. Prerequisite: MGMT 3320. Successful completion of the business prerequisites.

**4331. International Management. 3(3-0)**

Management of the internationally competitive firm; topics considered include leadership, organizational structure, cultural differences and similarities and competitive analysis. Prerequisite: senior standing in Business Administration. Prerequisite: Successful completion of the business prerequisites.

**4333. Supply Chain Integration. 3(3-0)**

Supply chain management is the successful cross-functional integration of key business processes from the original suppliers of products, services, and information through the firm to its customers and stakeholders with an emphasis on value-added benefits. Content areas included management of demand determination and purchasing, resources and materials, quality, lean, logistics and distribution, and systems integration processes. This course incorporates

information technology exercises to integrate supply chain management processes. Cross-listed with CISA 4333. Prerequisite: Successful completion of the business prerequisites.

**4341. Compensation & Benefits. 3(3-0)**

This course identifies the key elements for developing a firm's strategic compensation program necessary to attract and retain a valued workforce. Students will study the bases for pay and benefit plans, and the design of compensation systems and benefit programs key to serving the internal workforce and compete in the external marketplace. Prerequisite: MGMT 3325. Successful completion of the business prerequisites.

**4342. Training & Development. 3(3-0)**

This course integrates training theory and application for the high performing organization. Students examine training systems, strategies and practices critical in driving high performing organizations. The training process is mapped and discussed within the overarching framework of designing and planning training activities to meet organizational needs that are both strategic and tactical. Prerequisite: MGMT 3325. Successful completion of the business prerequisites.

**4343. Performance Management. 3(3-0)**

This course emphasizes measuring and managing performance for the high performing enterprise. The key competitive advantage in today's globalized world lies, not in technology and products, but in its people and their collective performance. Students will learn the process for operational excellence by examining the design and implementation of a results-driven work structure. The course discusses the importance of efficient workflow, control of operational standards, alignment with key performance metrics, rewarding results, and engaging workforce behavior to achieve high-performance. Prerequisite: MGMT 3325. Successful completion of the business prerequisites.

**4344. Organizational Leadership. 3(3-0)**

This foundational course will help students develop an understanding of leadership theory while acquiring the necessary skills and insights to become effective leaders. The course blends theory and application, and integrates contemporary ideas and practices with established scholarly research. Students will examine the roles of self-leadership, and the binding relationships between leader and followers. The course considers how power, courage, vision, and morality influence leadership. Prerequisite: MGMT 3325. Successful completion of the business prerequisites.

**4345. International Human Resources Management. (3(3-0))**

This course captures the compelling realities facing HRM professionals practicing in multinational enterprises today. Students will learn the international business context in which IHRM operates by investigating topic areas as new strategic forms as they impact HRM capabilities and processes, effectiveness in repatriation, transpatriation practices and strategic uses of global careers, ROI of expatriate assignments, the complexities of standardizing and customizing HRM practices and activities across local environments. Prerequisite: MGMT 3325. Successful completion of the business prerequisites.

**4346. Seminar in Human Resources. 3(3-0)**

Advanced course permitting students to engage in independent reading and research on contemporary issues in Human Resources. Course offers students an opportunity to research recent developments to examine underlying forces contributing to the current dialogue, legislative debate, and legal precedence in developing policy affecting the workplace. Prerequisite: MGMT 3325. Successful completion of the business prerequisites.

**4355. Channel Marketing. 3(3-0)**

This course deals with the design and management of marketing channels. A marketing channel is viewed as an interorganizational flow system designed to deliver products and services from manufacturers to end consumers as well as reverse flows. This course specifically covers channel design, supply chain management and strategy including alliances and other collaborative relationships in a global environment. Special focus will be placed on trust between firms and its role in establishing a competitive advantage. Cross-listed with MKTG 4355. Prerequisite: MKTG 3361. Successful completion of the business prerequisites.

**4392. Special Problems in Management. 3(3-0)**

Special studies in management. May be repeated once for credit. Prerequisite: consent of the instructor. Successful completion of the business prerequisites

**5150. Foundations of Management. 1.5(1.5-0)**

An introduction to the principles of management for graduate students with limited background in management or business. The course will include the study of organizations and the people within them. In addition, topics central to the management of efficient business processes and operations will be examined.

**5311. Project Management. 3(3-0)**

This course examines the concepts, principles, and applications of project management in the business environment, including the study of project management procedures, project management tools, organizational structure, management of project team members, and the planning, organizing, and control activities necessary for good project. Cross-listed with CISA 5311.

**5312. Risk Management. 3(3-0)**

This course is an overview of the basic components of risk as they pertain to technical projects. Topics include risk identification, risk impact analysis, risk response planning, mitigating risk, and risk management techniques. Cross-listed with CISA 5312. Prerequisite: CISA/MGMT 5311

**5322. Seminar in Management. 3(3-0)**

Philosophy and concepts underlying modern management. Prerequisite: MGMT 5150 or equivalent.

**5324. Total Quality & Lean Management. 3(3-0)**

The design, evaluation, employment, and integration of total quality and lean management principles and practices within a supply chain environment. Includes customer focus, statistical process control, design for quality, waste reduction, continuous improvement, standardized work, workplace organization, set-up time reduction, lot size reduction, preventive maintenance, management and workforce practices, and pull production systems are emphasized.

**5325. Management Science. 3(3-0)**

Analysis of management science approach to business decisions. Emphasis on problem formulation, solution generation and sensitivity analysis of solution. Various specific tools and techniques will be covered each semester. Prerequisites: BUAD 5150 or equivalent. .

**5329. Special Problems in Management. 3(3-0)**

Special studies or internship in management. May be repeated once for credit.

**5330. Purchasing & Supply Management. 3(3-0)**

Study of the procurement of goods and services resulting from internal needs assessment, and the application of principles of negotiation, purchasing processes, vendor relationship concepts, contract management, receiving, inventory and materials management, and production control, in a supply chain environment with domestic and international suppliers.

**5333. Supply Chain Integration. 3(3-0)**

Supply chain management is the successful cross-functional integration of key business processes from the original suppliers of products, services, and information through the firm to its customers and stakeholders with an emphasis on value-added benefits. Content areas included management of demand determination and purchasing, resources and materials, quality, lean, logistics and distribution, and systems integration processes. This course incorporates information technology exercises to integrate supply chain management processes. Cross-listed with CISA 5333.

**5335. Advanced Business Policy. 3(3-0)**

Domestic and international strategic planning using case studies and simulation. Prerequisite: 24 hours of graduate business courses or final semester of graduate study.

**5337. Managerial Business Statistics. 3(3-0)**

Selected statistical methods involving quality control, forecasting, sampling and other business applications using



SAS software. Prerequisite: BUAD 5150 or equivalent

**5340. Organizational Development. 3(3-0)**

This course focuses on planning for organizational change with emphasis on workforce engagement. Students are introduced to contemporary thinking in organization development and change theory, concepts and applications. Students will learn the process of planning for change through optimizing an organization's architecture. The course emphasizes a process for organization query through collecting and analyzing data, diagnosing workflows, and changing work group behavior. Students will learn to design and implement work group interventions for leading and managing change.

**5343. Performance Management. 3(3-0)**

This course emphasizes measuring and managing performance for the high performing enterprise. The key competitive advantage in today's globalized world lies, not in technology and products, but in its people and their collective performance. Students will learn the process for operational excellence by examining the design and implementation of a results-driven work structure. The course discusses the importance of efficient workflow, control of operational standards, alignment with key performance metrics, rewarding results, and engaging workforce behavior to achieve high-performance.

**5344. Organizational Leadership. 3(3-0)**

This foundational course will help students develop an understanding of leadership theory while acquiring the necessary skills and insights to become effective leaders. The course blends theory and application, and integrates contemporary ideas and practices with established scholarly research. Students will examine the roles of self-leadership, and the binding relationships between leader and followers. The course considers how power, courage, vision, and morality influence leadership.

**5346. Seminar in Human Resources. 3(3-0)**

Advanced course permitting students to engage in independent reading and research on contemporary issues in Human Resources. Course offers students an opportunity to research recent developments to examine underlying forces contributing to the current dialogue, legislative debate, and legal precedence in developing policy affecting the workplace.

**5351. International Business Management. 3(3-0)**

Strategic and management issues that arise in international management including culture, corporate strategy and structure, cross-cultural communication, behavioral, negotiation, ethical, corporate social responsibility, risk, government relations, and other management issues.

**5353. Business Study Abroad. 3(3-0)**

Study abroad experience in a host country/world region. Activities consist of pre-travel background studies, such as reading and discussion of host country/region; pre-travel orientation and approval of research project; host country observation of business firms; discussions with host country business executives, professors and government officials; and concludes with post-travel reports (e.g., project and/or journal of experiences).

**5355. Channel Distribution. 3(3-0)**

This course deals with the design and management of marketing channels. A marketing channel is viewed as an inter-organizational flow system designed to deliver products and services from manufacturers to end consumers as well as reverse flows. This course specifically covers channel design, supply chain management and strategy including alliances and other collaborative relationships in a global environment. Special focus will be placed on trust between firms and its role in establishing a competitive advantage.

**5361. Healthcare Management & Marketing. 3(3-0)**

Introduction to the principles of management in the healthcare environment. Role of a manager in a healthcare organization and the various skills and knowledge required of a healthcare manager and how it differs from other managers. Management principles to perform three roles of hospital manager, physician practice manager and manager of a health insurance company. Difference between for-profit systems and non-profit systems and differences in management styles as a result of varying missions.

**5362. Health Policy Analysis. 3(3-0)**

Introduction to the core elements of health policy analysis: problem definition; background; political, economic, and social landscape; development of policy options; and recommendations. In-depth historical background related to the health policy issues. Policy analysis in the context of topical issues in federal health policy with a focus on the federal policy-making process and key issues in health policy.

**5363. Health Insurance System. 3(3-0)**

Principles of health insurance systems in the United States and comparison of the US systems to other countries. History of health insurance and the difference between a variety of systems such as HMOs, PPOs, Self-funded programs, Medicare, Medicaid, Medicare Advantage, VA, and other systems. Determination of insurance company premiums. Difference between for-profit systems and non-profit systems.

**5364. Public Health & Epidemiology. 3(3-0)**

Introduction to the principles of epidemiology as a diagnostic discipline of population health. Emphasis on understanding epidemiological information, the concept of risk, and the tools used to evaluate health problems and policies at a population level. Prerequisite: BUAD 5150 or equivalent.

**MARKETING (MKTG)**

**3314. Principles of Business Logistics. 3(3-0)**

A total systems approach to managing the logistical activities of the firm. Analysis of total cost balanced against customer service. Warehousing, transportation, inventory control, packaging, handling and order processing activities are surveyed. Prerequisite: MKTG 3361. Successful completion of the business prerequisites.

**3325. Selling and Sales Management. 3(3-0)**

The personal selling process and the use of a professional, customer-oriented problem-solving approach in selling situations. The sales job, selection of salespeople, sales training programs and coordination/control of the sales function. Development of fundamentals of professional selling skills. Prerequisites: junior standing and MKTG 3361. Successful completion of the business prerequisites.

**3328. Internship in Marketing. 3(3-0)**

An off-campus learning experience allowing the acquisition and application of marketing skills in an actual work setting. Prerequisites: MKTG 3361, junior standing, approval of a faculty coordinator, the department chair, and approval of the school of business head. Successful completion of the business prerequisites.

**3361. Principles of Marketing. 3(3-0)**

Examination of marketing of goods and services by organizations and individuals in a free-enterprise economy. Topics covered include product, channels, price, promotion, consumer behavior, the legal and other uncontrollable environments and research, international marketing, strategy and control.

**3362. Retail Marketing Management. 3(3-0)**

Analysis and conceptualization of the relationship among channels of distribution members emphasizing the merchandising function of retail store management. Introduce applications of electronic commerce to retailing practice. Prerequisite: MKTG 3361 and MKTG 3314 strongly recommended. Successful completion of the business prerequisites.

**3364. Promotional Strategy. 3(3-0)**

Demand-stimulation processes of all elements of the promotional mix at all levels of the channel of distribution. Analysis of theoretical models and pragmatic applications of promotion in an organization. Prerequisite: MKTG 3361. Successful completion of the business prerequisites.

**3365. Marketing Research. 3(3-0)**

Marketing research methods as applied to management problems involving marketing strategy and policy formulation, and economic-industry-firm-sales forecasts. Prerequisites: MKTG 3361, BCOM 3304 and BUAD 3355. Successful completion of the business prerequisites.

**3370. Internet as a Marketing Tool. 3(3-0)**

Combines traditional marketing (situation analysis, marketing planning and marketing implementation) with the enhanced capabilities of electronic resources. Emphasis on student group application through use of online exercises and critical analysis of existing Web sites. Computer literacy expected. Prerequisite: MKTG 3361. Successful completion of the business prerequisites.

**4350. Consumer Purchasing/Motivation. 3(3-0)**

Analysis and evaluation of the consumer's position in the marketing structure including patterns of consumer behavior and the psychological, social and cultural forces that underlie such patterns. Prerequisites: MKTG 3361, MKTG 3365. Successful completion of the business prerequisites.

**4355. Channel Marketing. 3(3-0)**

This course deals with the design and management of marketing channels. A marketing channel is viewed as an inter-organizational flow system designed to deliver products and services from manufacturers to end consumers as well as reverse flows. This course specifically covers channel design, supply chain management and strategy including alliances and other collaborative relationships in a global environment. Special focus will be placed on trust between firms and its role in establishing a competitive advantage. Cross-listed with MGMT 4355. Prerequisite: MKTG 3361. Successful completion of the business prerequisites.

**4361. Marketing Management. 3(3-0)**

Capstone Marketing course for majors. Marketing functions in the firm and marketplace from the viewpoint of the marketing manager. Concepts and analytical tools used by marketing managers. Prerequisites: MKTG 3325, MKTG 3364 and MKTG 4350; senior standing. Successful completion of the business prerequisites.

**4363. International Marketing. 3(3-0)**

Examines marketing in other countries, the marketing implications of cultural and environmental differences, international marketing research and adaptation of product, price, promotion and distribution decisions to international environments. Topics include international trade theory and the multinational firm. Prerequisite: MKTG 3361. Successful completion of the business prerequisites

**4396. Special Problems in Marketing. 3(3-0)**

Special studies in marketing. May be repeated once for credit. Prerequisite: consent of instructor. Successful completion of the business prerequisites.

**5150. Foundations of Marketing. 1.5(1.5-0)**

An introduction to the principles of marketing for graduate students with limited background in marketing or business. The course will include the study of marketing goods and services by organizations and individuals in a free enterprise economy.

**5314. Strategic Logistics Management. 3(3-0)**

Integration of transportation, inventory, facility location, informational flow, materials handling and protective packaging activities into a system for managing physical flow of inbound and outbound products and materials.

**5361. Seminar in Marketing. 3(3-0)**

Marketing theory and strategy emphasizing the utilization of marketing concepts in the organization. Prerequisite: MKTG5150 or equivalent.

**5xxx. Brand Management. 3(3-0)**

This course examines the importance of developing, supporting, and positioning a brand in an effort to develop a sustainable competitive advantage. Students will learn how brand elements (e.g. slogans, jingles, and logos) can be used to reinforce a brand's image.

**5xxx. Integrated Marketing Communications. 3(3-0)**

To familiarize students with the various methods of marketing communication in an effort to develop a comprehensive, relevant brand image.

**5xxx. Marketing Strategy. 3(3-0)**

Examines the role of the strategic marketing process in developing sound marketing strategy. Covers the development of solid marketing plans reflective of the various marketing environments. Considers marketing both as a department and as an organizational philosophy.

**5363. International Marketing Management. 3(3-0)**

Study of the competitive need to globalize marketing efforts by coordinating domestic and foreign marketing programs. Covers topics from strategic formulation through implementation of marketing programs.

**5369. Special Problems in Marketing. 3(3-0)**

Special studies or internship in marketing. May be repeated once for credit.

**MILITARY SCIENCE (MS)****3001. ROTC Lab. 0**

A two hour-orientation for cadets will need to know to prepare for success in the military. Subjects range from weapons familiarization (M16, M249 SAW, M67 Grenade, etc.) to the different types of battle drills, such as Ambush, Recon, or Deliberate Attack. The goal of the labs is to prepare cadets for the Leader Development and Assessment Course (LDAC), as well as our annual Field Training Exercise (FTX).

**3301. Advance Leadership and Management. 3(3-0)**

Performance oriented instruction in preparation for Advanced Camp. Analysis of psychological, physiological, and sociological factors which affect human behavior. Analysis of leadership and management processes. Techniques in planning, presenting and evaluating performance-oriented instruction. Prerequisites: MS 1101, 1102, 2201, and 2302, or permission of the Professor of Military Science.

**3302. Advanced Leadership and Management. 3(3-0)**

Advanced Camp Preparation. Development of the student's ability to express him/herself clearly and accurately, with emphasis on the analysis of military problems, and the preparation and delivery of logistical solutions. Analysis of the leader's role in planning, directing and coordinating the efforts of individuals and small units in the execution of offensive and defensive tactical missions. Prerequisites: MS 3301 or permission of the Professor of Military Science.

**3301. Military Physical Fitness. 3(3-0)**

This course is designed to provide ROTC students with an introduction to physical fitness training in preparation for a military career, improve quality of life, as well as developing one's physical and mental health.

**4301. Seminar in Leadership and Management. 3(3-0)**

Analysis of selected leadership and management problems. Responsibilities of the commander and staff in the areas of administration, personnel, operations, and logistics. Introduction to military justice and the army training system. Prerequisites: MS 3302 or permission of the Professor of Military Science

**4302. Seminar in Leadership and Management. 3(3-0)**

Analysis of selected leadership and management problems with a concentration on management problem analysis and decision making, planning and organizing, delegation and control, and interpersonal skills required for effective management. Prerequisite: MS 4301 or permission of the Professor of Military Science.

**POLITICAL SCIENCE (POLS)****3301. Introduction to Political Science. 3(3-0)**

This course introduces students to Political Science as both a field of academic inquiry and as a practical discipline. Each of the subfields – American politics (including public law and public administration), comparative politics, international relations, and public policy – will build upon their respective theoretical and methodological foundations. Prerequisites: GOVT 2301 and GOVT 2302.

**3302. Research and Analysis in Political Science. 3(3-0)**

The practice of political science. The construction of research designs; major research tools; methods of political analysis; political science writing. Prerequisite: 6 semester hours of Political Science.

**3310. American Political Institutions. 3(3-0)**

Explores the structure and major issues and controversies in the study of American political institutions; topics include executive, legislative, and judicial branches of government. Prerequisites: GOVT 2301 and GOVT 2302.

**3341. International Relations. 3(3-0)**

The underlying principles governing political relations among sovereign states and the application of these principles to contemporary international problems. Prerequisite: 6 semester hours of Political Science.

**3351. Comparative Politics. 3(3-0)**

The structures, functions and processes of selected political systems. May be repeated once for credit. Prerequisite: 6 semester hours of Political Science.

**4311. Voting Behavior and Public Opinion. 3(3-0)**

The relation of public opinion and voting behavior to democratic government; techniques employed in analyzing political attitudes and voting behavior. Prerequisite: 6 semester hours of Political Science.

**4312. Interest Groups and Political Parties. 3(3-0)**

Formation, structure and functions of interest groups and political parties within the political system. Prerequisite: 6 semester hours of Political Science.

**4314. State and Local Government and Administration. 3(3-0)**

Structure and functions of governmental institutions; administrative practices of state and local governments. Prerequisite: 6 semester hours of Political Science.

**4315. Urban Politics. 3(3-0)**

A study of urban political processes and major public problems confronting urban areas. Prerequisite: 6 semester hours of Political Science.

**4316. American Political Behavior. 3(3-0)**

An introduction to core theories and controversies about American mass political behavior; topics include electoral and non-electoral political participation, political socialization, and party identification. Prerequisites: GOVT 2301 and GOVT 2302.

**4317. Nuclear Proliferation and U.S. Non-Proliferation Policies. 3(3-0)**

Causes of and U.S. responses to, nuclear proliferation in Third World regions, focusing on "problem countries." Topics include the non-proliferation regime, the "nuclear repentants," nuclear arms control and the threat of nuclear terrorism. Prerequisite: 6 semester hours of Political Science or consent of instructor.

**4321. Political Theory: Ancient and Medieval. 3(3-0)**

The theories of the major thinkers of the periods and of their development. Prerequisite: 6 semester hours of Political Science.

**4322. Political Theory: Early Modern and Modern. 3(3-0)**

Theories of the major thinkers and the related intellectual and political movements. Prerequisite: 6 semester hours of Political Science.

**4324. Technology and Society. 3(3-0)**

A study of technology and society from the perspective of social values, ethics, sociology, social environment, politics and economics. Prerequisites: 6 semester hours of Political Science and six semester hours of History.

**4331. Constitutional Law. 3(3-0)**

This course focuses on institutional power and constraints. A survey of American constitutional law, using leading cases, both historic and contemporary, of the Supreme Court of the United States. Establishment of the federal

political system for which the Constitution provided and the judicial allocations of political and economic power within that system. (Credit may not be obtained in both POLS 4331 and CRIM 4331.) Prerequisite: 6 semester hours of Political Science.

**4332. Constitutional Law. 3(3-0)**

This course focuses on civil rights and civil liberties. A survey of American constitutional law using leading cases, both historic and contemporary, of the Supreme Court of the United States. Matters of rights and liberties, their recognition and definition, policies of rights developed by the Supreme Court of the United States. (Credit may not be obtained in both POLS 4332 and CRIM 4332.) Prerequisite: 6 semester hours of Political Science.

**4333. The American Judicial Process. 3(3-0)**

The federal judicial system in terms of structure, function and process with stress on court interaction at both intracourt and intersystem levels. (Credit may not be obtained in both POLS 4333 and CRIM 4333.) Prerequisite: 6 semester hours of Political Science.

**4342. International Organization. 3(3-0)**

Basic features, functions and problems of international organizations through the League of Nations, the United Nations and its specialized agencies and other important regional organizations in the context of the world situation. Prerequisite: 6 semester hours of Political Science.

**4343. International Law. 3(3-0)**

An introduction to the study of international law. This course examines the definition, object and sources of international law as well as its relationship to domestic law and to the study of international relations. Prerequisite: 6 semester hours of Political Science.

**4354. The Government and Politics of Latin America. 3(3-0)**

The structures, functions and processes of the political systems of the nations of Central America, the Caribbean and South America. Prerequisite: 6 semester hours of Political Science.

**4355. The Government and Politics of Mexico. 3(3-0)**

The structures, functions and processes of the political system of Mexico. Prerequisite: 6 semester hours of Political Science.

**4361. Public Administration. 3(3-0)**

The place of public administration in government; the relations of the bureaucracy to other government institutions and the public. Prerequisite: 6 semester hours of Political Science.

**4363. Policy and Policy-Making in the United States. 3(3-0)**

Public policy and its formation through the interaction of political groups and governmental institutions in selected areas of public policy; relevant comparisons to other national systems. Prerequisite: 6 semester hours of Political Science.

**4364. Women and Politics. 3(3-0)**

Description, analysis and assessment of women's place in a democracy through a focus on women's capacity to relate to and use political power. (Credit may not be obtained in both POLS 4364 and WMST 4364). Prerequisite: 6 semester hours of Political Science.

**4370. Special Studies in Political Science. V:1-3**

An intensive examination of special topics of study in political science. Course may be repeated for credit when the topic of study changes. Prerequisite: 6 semester hours of Political Science or consent of the instructor.

**PSYCHOLOGY (PSYC)**

**3088. Research Methods Lab. 0(0-0)**

Lab focusing on data analysis skills using statistical software. Must be taken concurrently with PSYC 3488.

**3301. Social Psychology. 3(3-0)**

Theory and phenomena of social psychology. The nature and type of social variables and the methods used to study them. The effect of social variables upon the behavior of individuals. (Credit may not be obtained in both PSYC 3301 and SOCI 3301.) Prerequisite: 6 semester hours of Psychology or 12 semester hours of social science.

**3303. Psychology of Personal Adjustment. 3(3-0)**

Adjustment problems of normal people. Principles of healthy psychological functioning in relation to family, peers, career, community and culture. Prerequisite: 6 semester hours of Psychology.

**3304. Introduction to Learning Psychology. 3(3-0)**

General principles of learning and memory and an introduction to learning theory. Emphasis on motivation, conditioning and problem-solving. Prerequisite: 6 semester hours of Psychology.

**3312. Motivation and Emotion. 3(3-0)**

Topics include examination of biological, physiological, learning, psychodynamic, cognitive, and purposive factors in the motivation of human behavior. Includes examination of nature and the roles of emotion in explaining motivational processes. Prerequisite: 6 semester hours of psychology.

**3314. Psychology of Adolescence. 3(3-0)**

Treats the definition of adolescence, research and theory concerning the biological, moral, sex-role, personality and emotional development. Prerequisite: 6 semester hours of social science approved by the instructor.

**3315. Health Psychology. 3(3-0)**

Examines and defines the nature of illness and healing through the integration of biophysiological, psychoneuroimmunological, psychological and environmental factors. Examines stress and stress management techniques. Prerequisites: 9 hours of social science and PSYC 2301.

**3322. Gender Issues. 3(3-0)**

Consideration of physiological and social-learning origins of sex differences and psychological theories of sex-stereotyped and sexual behavior. Topics may include androgyny versus sex-typed behavior, gender dysfunction, origins of sex stereotypes, sexual preferences, and sex differences in reasoning styles, aggression, sexual behavior, personality, and psychopathology. (Credit may not be obtained in both PSYC 3322 and WMST 3322.) Prerequisite: 6 semester hours of psychology.

**3324. Cross-Cultural Psychology. 3(3-0)**

An examination of the role of culture in the development and validation of psychological theories. Critical discussion of the application of Western theories to other cultural groups, including ethnic minority subgroups. Topics may include identity formation, cognitive and personality development, social and organizational behavior, intergroup relations, psychological assessment, and mental health. Prerequisite: 6 semester hours of psychology.

**3369. Human Sexuality. 3(3-0)**

Psychosocial factors in human sexuality with emphasis on sexual adjustment, sexual dysfunctions, sexual variations and new approaches in sex therapy. Appropriate field trips may be included. Prerequisite: 6 semester hours of psychology or sociology. (Credit may not be obtained in both PSYC 3369 and SOCI 3369.)

**3381. Statistics for the Behavioral Sciences. 3(3-0)**

Statistics for students in psychology, sociology and education. Emphasis upon descriptive and inferential techniques. Basic concepts in sampling data organization and statistic selection. (Credit may not be obtained in both PSYC 3381 and SOCI 3381.) Prerequisite: 6 semester hours of social science.

**3488. Research Methods. 4(2-2)**

Introduction to basic research methods including designing and evaluating behavioral research and ethics of research. Statistical methods will be discussed as they pertain to research design and interpretation. Must be taken concurrently with PSYC 3308. Prerequisite: PSYC 3381.

**4155 . Internship in Psychology. 1(1-0)**

Psychology internship taken for 1 credit hour. Please see PSYC 4355 for description.

**4255. Internship in Psychology. 2(2-0)**

Psychology internship taken for 2 credit hours. Please see PSYC 4355 for description.

**4302. Industrial Organizational Psychology. 3(3-0)**

Application of psychological principles to the world of work and to organizations. Topics include recruitment and selection of employees, evaluation of job performance, motivation, training, leadership, job satisfaction and work teams. Prerequisites: 12 semester hours of social science and senior standing.

**4308. Psychological Testing. 3(3-0)**

An introduction into the rationale of psychological measurement. Test construction, validity, reliability, standardization and statistical treatment of test results. Various accepted tests will be examined as they present measurement of significant individual characteristics. Prerequisites: 9 semester hours of Psychology, including PSYC 3381 or its equivalent.

**4310. Cognitive Psychology. 3(3-0)**

Examination of current information-processing models of human cognition. Visual & auditory information processing, memory processes, information processing, language, thinking, and problem solving. Prerequisite: 6 hours of psychology.

**4312. Physiological Psychology. 3(3-0)**

Introduction to the physiological substrata of behavior; including basic neuroanatomy, research techniques, basic physiology, sensory processes and central nervous system functions. Prerequisites: PSYC 2301 and PSYC 2302.

**4315. Selected Topics in Psychology. 3(3-0)**

Literature and research in areas of psychology not otherwise treated in depth in available courses. May be repeated once as topics change. Prerequisite: 12 semester hours of Psychology.

**4322. Psychology of Personality. 3(3-0)**

A comparison of personality theories and the implications for personality development and change. Prerequisite: 6 semester hours of Psychology.

**4323. History and Systems of Psychology. 3(3-0)**

Important historical antecedents and contemporary psychological systems. A capstone course that integrates diverse material encountered in the discipline. Prerequisites: 12 semester hours in Psychology; must be taken in last semester.

**4325. Abnormal Psychology. 3(3-0)**

Personality development and adjustment, causes of abnormal behavior, neuroses, psychoses, suicide, personality disorders and crime. Prerequisite: 6 semester hours of Psychology.

**4327. Lifespan Development. 3(3-0)**

A survey of development from birth through childhood, adolescence, adulthood, old age, and death. Physical, cognitive, socioemotional, and social issues over the lifespan will be examined. Prerequisite: 6 semester hours of Psychology.

**4328. Psychology of Perception. 3(3-0)**

Analysis of basic perceptual phenomena and theories of perception. Emphasis on sensation, attention, meaning and structural concepts. Prerequisite: 6 semester hours of Psychology.

**4335. Introduction to Clinical Psychology. 3(3-0)**

This advanced course surveys the science and practice of clinical psychology and its specialty areas, including discussions of the origins/ development of the field, ethical and cultural issues, diagnostics and assessment as well as empirically-validated interventions and prevention strategies for use with clinical populations. Prerequisites: Declared Major or Minor in Psychology AND PSYC 2301 (Intro) AND 4325 (Abnormal).



**4342. Substance Abuse. 3(3-0)**

A general survey of current research on psychological, social, legal and situational factors involved in substance usage and its effect on human behavior and criminal activity. Includes a treatment of therapeutic procedures and facilities. (Credit may not be obtained in both PSYC 4342 and CRIM 4342.) Prerequisite: 6 semester hours of Criminology or Psychology.

**4349. Mental Illness and Violence. 3(3-0)**

This course examines the relationship of mental illness to violent crime by reviewing current empirical research. Specifically, topics include risk factors for violence, the correlation between substance use and violent behavior, and programs and policies concerning the treatment of mentally disordered persons. Prerequisite: 3 semester hours of upper division advanced Psychology.

**4351. Directed Research in Psychology. V:1-3**

Individual instruction course for advanced and qualified undergraduates to obtain supervised research experience in psychology. Student will assist with a research project by working under the individual guidance of a psychology faculty member. Requirements may entail library research, data collection, data entry, statistical analysis and or assistance in planning and conducting parts of a research project. A paper on the research experience is required. Consent of instructor required. May be repeated for a maximum of 3 semester credit hours. Prerequisites: PSYC 3381, PSYC 3488 or SOCI 4382 and 6 additional semester hours of Psychology.

**4352. Forensic Psychology. 3(3-0)**

This course examines the dynamics of human behavior within forensic contexts, including an analysis of the psychology of criminal behavior, as well as current research in the areas of police and investigative psychology (e.g., eyewitness identification, false confessions), psychology in the courts, mental illness in the justice system, and correctional psychology. (Credit may be obtained in only one of CRIM 4352 or PSYC 4352.) Prerequisite: 3 semester hours of upper division advanced psychology.

**4355, 4255, or 4155. Internship in Psychology. 3(3-0)**

Applied experience at an off-campus site where psychological principles are applied. Jointly supervised by on-campus faculty and off-campus representatives at the internship site. Students must have departmental approval before registering. Prerequisites: GPA of 2.5; Psychology faculty approval following application process. Course may be taken for 1, 2, or 3 credits. (PSYC 4355, 4255, or 4155)

**4388. Advanced Experimental Psychology. 3(3-0)**

Advanced instruction in designing, conducting, and evaluating behavioral research in psychology. Prerequisites: PSYC 3381, PSYC 3488/3088 AND consent of instructor.

**4360. Seminar in Advanced Psychology. 3(3-0)**

This advanced seminar course is offered for upper division students and will integrate theory, research and practice in the field of psychology broadly. Subject matter will be determined by faculty interests. Prerequisites: Psychology major/Senior standing, AND consent of instructor.

**SOCIOLOGY (SOCI)****3301. Social Psychology. 3(3-0)**

Theory and phenomena of social psychology. The nature and type of social variables and the methods used to study them. The effect of social variables upon the behavior of individuals. (Credit may not be obtained in both SOCI 3301 and PSYC 3301.) Prerequisite: 6 semester hours of Psychology or 12 hours of social science.

**3302. Social Deviance. 3(3-0)**

Survey of the sociological and psychological aspects of deviant behavior. Nature of deviance, types of deviant behavior, causal theories and social policy implications. (Credit may not be obtained in both SOCI 3302 and CRIM 3302.) Prerequisites: SOCI 1301 and 3 semester hours of Sociology or Criminology.

**3303. Developing a Sociological Skill Set. 3(3-0)**

This course will provide students with the tools necessary to complete upper division studies in sociology including a review of sociological history and key theories; introduction to research tools; effective study, presentation and writing skills; and introduction to foundational analysis concepts; and careers in sociology. Prerequisite: Junior standing or higher.

**3322. Juvenile Delinquency. 3(3-0)**

Incidence, types, causation, patterns, processes, treatment agencies and research as related to juvenile delinquency. Selected practical experiences such as trips to juvenile institutions. (Credit may not be obtained in both SOCI 3322 and CRIM 3322.) Prerequisite: SOCI 1301.

**3332. An Introduction to Group Work. 3(3-0)**

A study of the dynamics of groups with emphasis on theories and findings concerning groups. Prerequisite: SOCI 1301 or 6 hours of social science.

**3351. Urban Sociology. 3(3-0)**

The culture, history and growth patterns of cities; demographic, ecological patterns and trends. Problems of housing and community organization. Prerequisite: SOCI 1301.

**3363. Women, Change, and Society. 3(3-0)**

Interdisciplinary approach utilizing political, historical and sociological factors to analyze the status of American women. Aspects of sex role socialization, institutional interaction, social problems and social movements are analyzed. Prerequisite: SOCI 1301 or 6 hours of social science. Credit may not be obtained in both SOCI 3363 and WMST 3363.

**3369. Human Sexuality. 3(3-0)**

Psychosocial factors in human sexuality with emphasis on sexual adjustment, sexual dysfunctions, sexual variations and new approaches in sex therapy. Appropriate field trips may be included. Prerequisite: 6 semester hours of psychology or sociology. (Credit may not be obtained in both PSYC 3369 and SOCI 3369.)

**3381. Statistics for the Behavioral Sciences. 3(3-0)**

Statistics for students in psychology, sociology and education. Emphasis upon descriptive and inferential techniques. Basic concepts in sampling data organization and statistic selection. (Credit may not be obtained in both SOCI 3381 and PSYC 3381.) Prerequisite: 6 semester hours of social science.

**4303. Sociology, Graduation and Beyond. 3(3-0)**

In this course, students will apply social theories to the hands-on process of transition from university study to graduate school or employment. Students will use research methods and tools to compile information about employment or graduate school opportunities and then apply social theories to the process of job or graduate school applications. Prerequisite: Senior standing.

**4307. The Family and Marriage. 3(3-0)**

History and development of the family as an educational and social institution, factors involved in family integrity, role of the individual in family relations, marital adjustments and family conservation in light of the present-day social and economic conditions. Prerequisite: SOCI 1301 or 6 semester hours of social science.

**4308. Selected Topics in Sociology. 3(3-0)**

Literature and research in areas of sociology not otherwise treated in depth in available courses. May be repeated once for credit when topics differ. Prerequisite: 12 semester hours of Sociology.

**4310. Population Problems. 3(3-0)**

Introduction to demographic concepts, such as fertility, mortality and migration of human populations in a larger social and cultural context, and to population problems in modern society. Prerequisites: SOCI 1301 or 6 semester hours of social science.

**4312. Social Stratification. 3(3-0)**

Examination of patterns and distribution of stratification and social inequalities in modern society. Prerequisites:

SOCI 1301 or 6 semester hours of social science.

**4320. Law and Society. 3(3-0)**

An in-depth examination of law and society through the philosophy and evolution of legal systems and legal institutions. The major functions of law as agents of social control, dispute resolution and societal engineering are addressed. (Credit may not be obtained in both SOCI 4320 and CRIM 4320.) Prerequisites: SOCI 1301 and 3 semester hours of Sociology or Criminology.

**4324. Technology and Society. 3(3-0)**

A study of technology and society from the perspective of social values, ethics, sociology, social environment, politics and economics. Prerequisite: 12 semester hours of social science.

**4325. Sociology of Corrections. 3(3-0)**

Overview of social, psychological, cultural, sociological and political factors related to the correctional enterprise. Includes treatment of the context of corrections, correctional practices, correctional issues, correctional institutions and correctional perspectives. May include field trips to correctional institutions. (Credit may not be obtained in both SOCI 4325 and CRIM 4325.) Prerequisite: SOCI 3321 or CRIM 3321.

**4341. Sociology of Aging. 3(3-0)**

Study of the last stage in the life-cycle of man. The course emphasizes the interdisciplinary approach necessary in the field of gerontology, the biological, psychological and social aspects of the aging process, along with the social impact of growing proportions of aged persons within the social structure of society. Prerequisite: SOCI 1301.

**4342. Sociology of Death. 3(3-0)**

Sociological perspectives of the dying process and death itself, including the cultural and institutional means of aiding survivors through the grief, mourning and bereavement process. Prerequisite: 12 semester hours of Sociology.

**4362. Race Relations. 3(3-0)**

Critical analysis of the concept of race; analysis of subordinate peoples in various world societies and in the United States; emphasis on dynamics of problems of subordinate groups. Prerequisite: 6 semester hours of Sociology.

**4364. Minority Women in U.S. Society. 3(3-0)**

An integrated study of the impact that socioeconomic and ethnic/racial factors have on minority women within the United States. (Credit may not be obtained in both SOCI 4364 and WMST 4300.) Prerequisite: SOCI 1301 or 6 semester hours of social science.

**4382. Methods of Social Research. 3(3-0)**

Introduction to the study of the scientific method as applied to social research including the logic of science, covering the nature of data, hypotheses, concepts and objectivity. Prerequisites: ANTH 2302 or SOCI 1301 and 3 semester hours of advanced Anthropology or Sociology. (Credit may be obtained in only one of SOCI 4382 or CRIM 4382.)

**4383. Social Theory. 3(3-0)**

Development of social theory as represented by Comte, Spencer, Durkheim and Weber, to contemporary schools of thought, including functionalism, conflict, symbolic interactionism, structuralism and world systems theory. Prerequisite: ANTH 2302 or SOCI 1301 and 6 semester hours of advanced Anthropology or Sociology.

**4386. Directed Research in Sociology. V:1-3**

Individual instruction course for advanced and qualified undergraduates to obtain supervised research experience in sociology. Student will assist with a research project by working under the individual guidance of a sociology faculty member. Requirements may entail library research, data collection, data entry, statistical analysis and/or assistance in planning and conducting parts of a research project. A paper on the research experience is required. Consent of instructor required. May be repeated for a maximum of 3 semester credit hours. Prerequisites: SOCI 3381, SOCI 4382 or PSYC 3387 and 6 other semester hours of Sociology.

**SPANISH (SPAN)**

**3300. Mexican American Literature. 3(3-0)**

Selected Mexican American literature and its accompanying thought covering various periods and the following genres: poetry, the short story, the novel, the theater and the essay. Conducted in Spanish and English.

**3301. Advanced Spanish Grammar. 3(3-0)**

A review of the basic principles of Spanish grammar to be followed by a detailed study of the finer points of grammar and syntax. Prerequisite: SPAN 2302 or SPAN 2312.

**3302. Spanish Composition. 3(3-0)**

Literary and technical writing and composition; instruction and practice in basic writing; analysis of different literary prose pieces as models for writing. Conducted in Spanish. Prerequisite: SPAN 2302 or SPAN 2312.

**3311. Professional Spanish. 3(3-0)**

Enables students to interact and work effectively with the international and domestic Spanish-speaking medical, legal and business worlds. Emphasizes interaction between both English-speaking and Spanish-speaking professional communities and within the Spanish-speaking professional community. Prerequisite: SPAN 2302 or SPAN 2312.

**3321. Survey of Spanish Peninsular Literature. 3(3-0)**

The history of Spanish literature from its beginning to the present. Conducted in Spanish. Prerequisite: SPAN 2302 or SPAN 2312.

**3361. Survey of Spanish-American Literature. 3(3-0)**

The history of Spanish-American literature from its beginning to the present. Conducted in Spanish. Prerequisite: SPAN 2302 or SPAN 2312.

**4311. Spanish Linguistics. 3(3-0)**

A detailed linguistic study of Spanish and a contrastive comparison with English. Prerequisite: SPAN 2302 or SPAN 2312.

**4319. Hispanic Culture. 3(3-0)**

Survey of Hispanic culture. Main aspects of culture as found in Spain, Spanish America and the Hispanic communities in the U.S.A. Conducted in Spanish. Prerequisite: SPAN 2302 or SPAN 2312.

**4320. Topics in Spanish Literature. 3(3-0)**

Topics in Spanish American and Spanish Peninsular literature. Conducted in Spanish. May be repeated as topics change. Prerequisite: SPAN 2302 or SPAN 2312.

**STATISTICS (STAT)**

**4301. Biostatistics. 3(3-0)**

For students in biology, health sciences, human sciences and wildlife science. Descriptive and inferential statistics, basic probability concepts, probability distributions, estimation, hypothesis testing, correlation, simple linear regression, principles of epidemiology, statistical vs. clinical significance and quasi-statistical methods. Prerequisite: MATH 1314. Laboratory fee: \$5.

**4303. Statistical Methods. 3(3-0)**

Calculus-based probability, discrete and continuous random variables, joint distributions, sampling distributions, the central limit theorem, descriptive statistics, interval estimates, hypothesis tests, ANOVA, correlation and simple regression. Prerequisite: MATH 2414.

**4350. Probability. 3(3-0)**

Sample spaces, combinatorics, independence, conditional probability and Bayes' rule. Discrete and continuous probability distributions, Chebychev's inequality and limit theorems. Prerequisite: MATH 3415.

## **WOMEN'S STUDIES (WMST)**

### **3322. Gender Issues. 3(3-0)**

Consideration of physiological and social-learning origins of sex differences and psychological theories of sex-stereotyped and sexual behavior. Topics may include androgyny versus sex-typed behavior, gender dysfunction, origins of sex stereotypes, sexual preferences, and sex differences in reasoning styles, aggression, sexual behavior, personality, and psychopathology. (Credit may not be obtained in both PSYC 3322 and WMST 3322.)

Prerequisite: 6 hours of psychology.

### **3363. Women, Change, and Society. 3(3-0)**

Interdisciplinary approach utilizing political, historical and sociological factors to analyze the status of American women. Aspects of sex role socialization, institutional interaction, social problems and social movements are analyzed. Prerequisite: SOCI 1301 or 6 hours of social science. Credit may not be obtained in both SOCI 3363 and WMST 3363.

### **4300. Minority Women in US Sociology. 3(3-0)**

An integrated study of the impact that socioeconomic and ethnic/racial factors have on minority women within the United States. (Credit may not be obtained in both SOCI 4364 and WMST 4300.) Prerequisite: SOCI 1301 or 6 semester hours of social science.

### **4360. Women in History. 3(3.0)**

Investigation of the social, economic and political position of women from the Renaissance to contemporary America and a comparison of the ideal expounded by different historical epochs with woman's actual role in each society. (Credit may not be obtained in both HIST 4360 or WMST 4360.) Prerequisite: 12 semester hours of History and/or Political Science.

### **4364. Women in Politics. 3(3.0)**

Description, analysis and assessment of women's place in a democracy through a focus on women's capacity to relate to and use political power. (Credit may not be obtained in both POLS 4364 and WMST 4364). Prerequisite: 6 semester hours of Political Science.

### **4370. Special Topics in Literature or Language. 3(3-0)**

Selected topics in British or American literature and/or world literature and language. A topic for intensive investigation will be selected for each offering of the course. May be repeated once for credit. (Credit may not be obtained in both ENGL 4370, and, when topic is taught from a women's studies perspective, WMST 4370.) Prerequisite: 6 semester hours of sophomore English.

### **4375. Studies in Women's Literature. 3(3.0)**

Study of women's literature based on a selected period, nationality, and/or issue. Can be team-taught from an interdisciplinary perspective. Prerequisite: 6 semester hours of sophomore English. (Credit may not be obtained in both ENGL 4375 and WMST 4375).