

Graduate Bulletin of
TEXAS A&M UNIVERSITY-KINGSVILLE

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GRADUATE COURSES AND PROGRAMS
ANNOUNCEMENTS FOR SESSION 2017-2018

Accreditations, Certifications and Approved Programs

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

Department of Human Sciences' Didactic Program in Dietetics and Dietetic Internship by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) (120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 312-899-5400)

Chemistry Program by the American Chemical Society (certified program)

Graduate Program in Communication Sciences and Disorders accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association

Department of Music by National Association of Schools of Music

Program in Social Work by the Commission on Accreditation of the Council on Social Work Education

Teacher/Educator Certification Accredited by the Texas State Board of Educator Certification

Program Accredited by the Engineering Accreditation Commission of ABET: Architectural, Chemical, Civil, Computer Science, Electrical, Environmental, and Mechanical Engineering (415 North Charles Street, Baltimore, MD 21201; Telephone number 410-347-7700)

Industrial Management and Technology program accredited by the Association of Technology, Management and Applied Engineering (ATMAE)

Memberships

American Association of Colleges for Teacher Education
American Association of Family and Consumer Sciences
American Association of Hispanics in Higher Education
American Association of State Colleges and Universities
American Association of University Women
American College Personnel Association
American Council on Education
American Kinesiology Association
American Library Association
American Society of Engineering Education
Association for the Advancement of Collegiate Schools of Business
Association for Computing Machinery
Association of Institutional Research
Association of Texas Colleges and Universities
Association of Texas Graduate Schools

Conference of Southern Graduate Schools
Council for Opportunity in Education
Council for Undergraduate Research
Council of Higher Education Accreditation
Council of Public University Presidents
Hispanic Association of Colleges and Universities
International Association of University Presidents
National Association for Bilingual Education
National Association of Schools of Music
National Association of Student Financial Aid Administration
National Collegiate Athletic Association
National Intramural Recreational Sport Association
Texas Association of Chicanos in Higher Education
The College Board

Kingsville, Texas 78363-8202
361-593-2111

A Member of The Texas A&M University System

GENERAL INFORMATION

Purpose of the Catalog

This catalog is the official bulletin of Texas A&M University-Kingsville for the 2017-2018 academic year. It includes descriptions of academic programs and courses as well as regulations, fees, and policies in effect. Fees and policies (except standards and requirements for degrees) are, however, subject to change. This catalog may be viewed via the Internet at <http://www.tamuk.edu/academics/catalog/>.

The courses of instruction announced herein are those that are available for offering during the sessions of 2017-2018. Courses to be offered during any one semester or summer term are announced in the *Blue and Gold Connection (Web for Students/Faculty)* 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-Kingsville 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 regulations 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-Kingsville is open to all persons regardless of race, color, religion, sex, national origin, age, disability or veteran's status who are otherwise eligible for admission as students. Texas A&M University-Kingsville does not discriminate on the basis of disability in admission or access to its programs.

Texas A&M University-Kingsville 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, disability, sexual orientation, gender identity or veteran's status in any personnel action. This university will not knowingly enter into contractual agreements for services or supplies with any firm failing to follow fair employment practices.

Contact the Compliance Office, Lewis Hall, Room 130 – (361) 593-4758 for additional information.

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-Kingsville 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, enrollment status (e.g., undergraduate or graduate, full-time or part-time), classification, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees, honors, and awards received and most recent 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.

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 and regulations 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.

Standards of conduct for university employees are detailed in the Texas A&M University *System Policies*. The Texas A&M University-Kingsville *Faculty Handbook* sets forth rules and regulations governing academic freedom and responsibility, sexual harassment, substance abuse, conflict of interests, research policies and other professional issues. Grievance procedures are set forth there.

In order to create a healthy and pleasant atmosphere, a campus-wide smoking policy designates only certain areas for smoking.

Hazing

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

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 Dean of Students.

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 Dean of Students 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's right to enforce its own penalties against 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 library.

University Assessment

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

Supplementary University Publications

Student Handbook (published by the Student Affairs Office)

Faculty Handbook (published by the Academic Affairs Office)

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ACADEMIC CALENDAR

Academic Year 2017-2018

*Dates and Times Subject to Change.
([Academic Calendar Webpage](#))*

Fall Semester 2017

Apr. 3	8 a.m.	Priority Registration begins for Fall 2017 Semester.
Aug. 1	5 p.m.	<u>Graduate and Undergraduate Students</u> - Deadline to file Application for Degree Candidacy in December with Academic College Dean.
Aug. 1		Tuition Payment Plans open for enrollment.
Aug. 1		Late Registration begins. A \$35 Late Registration Fee will be assessed to students registering late.
Aug. 11	4 p.m.	Payment Deadline. A \$35 Late Payment Fee will be assessed for registering and/or paying after this date.
Aug. 21	9 a.m.	Residence Halls open.
Aug. 21		Employee Tuition Assistance Scholarship Deadline.
Aug. 21		General Faculty/Staff Meeting, Jones Auditorium.
Aug. 22		Meetings of deans with departmental chairs and departmental meetings.
Aug. 23		First Class Day of all regular students.
Aug. 26		First Class Day of all Saturday students.
Aug. 29		Fifth Class Day. Students will be dropped from classes if they have not paid or made payment arrangements.
Aug. 30		A \$100 Reinstatement Fee will be assessed to students requesting reinstatement.
Aug. 30		Permission to register or change classes is required from the adviser and professor.
Sept. 1		Meal Plan Payment Deadline.
Sept. 4		Labor Day Holiday.
Sept. 5		Deadline for students applying for graduation to complete the Change of Name Request form with the Office of the Registrar.
Sept. 8	5 p.m.	NO REGISTRATION AFTER THIS DATE. Twelfth Class Day. Census Date. Student will be dropped from classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
Sept. 9		Three-peat charges are added to student account
Sept. 9		A \$100 Reinstatement Fee will be assessed to students requesting reinstatement.
Sept. 12		A listing of students who will complete graduation requirements in December will be submitted by Academic Deans to the Office of the Provost and Vice President for Academic Affairs.
Sept. 20	5 p.m.	Final Day to submit Non-Funded Late Registration for Fall 2017. All non-funded registered students must be paid in full to avoid being dropped.
Oct. 2		Period for students planning May or August graduation to apply for Application for Candidacy forms with deans of their colleges.
Oct. 19		Midsemester Point.
Oct. 20	Noon	Midsemester grades due for all students via Blue and Gold Connection.
Oct. 23	8 a.m.	Registration begins for all students for Winter 2017 Intersession.
Oct. 23	8 a.m.	Priority Registration begins for Spring 2018 Semester.
Oct. 30		Title IV 60% of semester.
Nov. 1	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of Q. Last day for faculty to drop for non-attendance.
Nov. 23-24		Thanksgiving Holidays.
Dec. 1		Graduate and Undergraduate Students - Deadline to file Application for Degree Candidacy in May with Academic College Dean.
Dec. 4-Dec. 7		Dead Week.
Dec. 6		Last Class Day.

Dec. 7	5 p.m.	Final Day to submit Drop/Withdraw appeal request for Fall 2017.
Dec. 7		Study Day (no classes).
Dec. 18-14		Final examinations.
Dec. 15		Commencement.
Dec. 15	6 p.m.	Residence Halls close.
Dec. 18	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Fall Semester 2017 – First Eight-Week Session

Aug. 23		First Class Day.
Aug. 23		Permission to register or change classes is required from the adviser and professor.
Aug. 30	5 p.m.	NO REGISTRATION AFTER THIS DATE. Sixth Class Day. Census Date. Student will be dropped from classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
Sept. 6	5 p.m.	Final Day to submit Non-Funded Late Registration for Fall 2017 (1st 8-wks).
Sept. 19		Midsemester Point.
Sept. 21	Noon	Midsemester grades due for all students via Blue and Gold Connection.
Sept. 25		Title IV 60% of semester.
Sept. 26	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of Q. Last day for faculty to drop for non-attendance.
Oct. 16		Final Examinations; Last Class Day.
Oct. 18	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Fall Semester 2017 – Second Eight-Week Session

Oct. 18		First Class Day.
Oct. 18		Permission to register or change classes is required from the adviser and professor.
Oct. 25	5 p.m.	NO REGISTRATION AFTER THIS DATE. Census Date. Student will be dropped from classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
Oct. 31	5 p.m.	Final Day to submit Non-Funded Late Registration for Fall 2017 (2 nd 8-wks).
Nov. 14		Midsemester Point.
Nov. 16	9 a.m.	Midsemester grades due for all students via Blue and Gold Connection.
Nov. 18		Title IV 60% of semester.
Nov. 21	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of Q. Last day for faculty to drop for non-attendance.
Dec. 8		Final Examinations; Last Class Day.
Dec. 18	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Winter Intersession 2017

(Classes held December 18-22; January 2-12)

Oct. 23	8 a.m.	Registration begins for all students for Winter 2017 Intersession.
Dec. 11		Payment Deadline. A \$35 Late Payment Fee will be assessed for registering and/or paying after this date.
Dec. 11		Employee Tuition Assistance Scholarship Deadline.
Dec. 18		First Class Day.
Dec. 18		Permission to register or change classes is required from the adviser and professor.
Dec. 19	5 p.m.	NO REGISTRATION AFTER THIS DATE. Census Date. Students will be dropped from classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.

Dec. 21	5 p.m.	Final Day to submit Non-Funded Late Registration for Winter Intersession 2017. All non-funded registered students must be paid in full to avoid being dropped.
Jan. 4		Midsemester Point.
Jan. 5	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of <i>Q</i> . Last day for faculty to drop for non-attendance.
Jan. 10		Last Class Day.
Jan. 10	5 p.m.	Final Day to submit Drop/Withdraw appeal request for Winter Intersession 2017.
Jan. 11		Final Examinations.
Jan. 12	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Spring Semester 2018

Oct. 23	8 a.m.	Priority Registration begins for 2018 Spring Semester.
Dec. 1		<u>Graduate and Undergraduate Students</u> - Deadline to file Application for Degree Candidacy in May with Academic College Dean.
Jan. 2		Tuition Payment Plans open for enrollment.
Jan. 9		Late Registration begins. A \$35 Late Registration Fee will be assessed to students registering late.
Jan 9	4 p.m.	Payment Deadline. A \$35 Late Payment Fee will be assessed for registering and/or paying after this date.
Jan. 9		Employee Tuition Assistance Scholarship Deadline.
Jan. 11		General Faculty Meeting, Peacock Auditorium (BESB 100).
Jan. 12		Meetings of deans with departmental chairs and departmental meetings.
Jan. 14	9 a.m.	Residence Halls open.
Jan. 15		Martin Luther King, Jr. Day Holiday.
Jan. 16		First Class Day of all regular students.
Jan. 20		First Class Day of all Saturday students.
Jan. 22		Fifth Class Day. Students will be dropped from classes if they have not paid or made payment arrangements by this date.
Jan. 23		A \$100 Reinstatement Fee will be assessed to students requesting reinstatement.
Jan. 23		Permission to register or changes classes is required from the adviser and professor.
Jan. 31		Meal Plan Payment Deadline.
Jan. 31	5 p.m.	NO REGISTRATION AFTER THIS DATE. Twelfth class day. Census Date. Students will be dropped from classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
Feb. 1		A \$100 Reinstatement Fee will be assessed to students requesting reinstatement.
Feb. 1		Three-peat charges are added to student account.
Feb. 2		Deadline for students applying for graduation to complete the Change of Name Request form with the Office of the Registrar.
Feb. 9		A listing of students who will complete graduation requirements in May will be submitted by the Academic Deans to the Office of the Provost and Vice President for Academic Affairs.
Feb. 12	5 p.m.	Final Day to submit Non-Funded Late Registration for Spring 2018. All non-funded registered students must be paid in full to avoid being dropped.
Mar. 10	6 p.m.	Residence Halls close for Spring Break.
Mar. 12-16		Spring Break.
Mar. 13		Midsemester Point.
Mar. 18	2 p.m.	Residence Halls re-open after Spring Break.
Mar. 19	8 a.m.	Classes resume.
Mar. 20	Noon	Midsemester grades due for all students via Blue and Gold Connection.
Mar. 30		Good Friday – no classes held.
Apr. 1		Title IV 60% of semester

Apr. 2	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of <i>Q</i> . Last day for faculty to drop for non-attendance.
Apr. 2	8 a.m.	Registration begins for all students for 2018 Spring Intersession.
Apr. 2	8 a.m.	Priority Registration begins for Summer 2018 Sessions and Fall 2018 Semester.
May 1		<u>Graduate and Undergraduate Students</u> – Deadline to file Application for Degree Candidacy in August with Academic College Dean.
May 3-8		Dead Week.
May 7		Last Class Day.
May 7	5 p.m.	Final Day to submit Drop/Withdraw appeal request for Spring 2018.
May 8		Study Day (no classes).
May 9-15		Final examinations.
May 18		Commencement.
May 18	6 p.m.	Residence Halls close.
May 21	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Spring Semester 2018 – First Eight-Week Session

Jan. 16		First Class Day.
Jan. 16		Permission to register or change classes is required from the adviser and professor.
Jan. 23		NO REGISTRATION AFTER THIS DATE. Sixth Class Day. Census Date. Student will be dropped from classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
Jan. 29	5 p.m.	Final Day to submit Non-Funded Late Registration for Spring 2018 (1 st 8-wks). All non-funded registered students must be paid in full to avoid being dropped.
Feb. 9		Midsemester Point.
Feb. 13	Noon	Midsemester grades due for all students via Blue and Gold Connection.
Feb. 13		Title IV 60% point of semester.
Feb. 14	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of <i>Q</i> . Last day for faculty to drop for non-attendance.
Mar. 7		Final Examinations; Last Class Day.
Mar. 9	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Spring Semester 2018 – Second Eight-Week Session

Mar. 19		First Class Day.
Mar. 19		Permission to register or change classes is required from the adviser and professor.
Mar. 26	5 p.m.	NO REGISTRATION AFTER THIS DATE. Census Date. Student will be dropped from classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
Apr. 2	5 p.m.	Final Day to submit Non-Funded Late Registration for Spring 2018 (2 nd 8-wks). All non-funded registered students must be paid in full to avoid being dropped.
Apr. 13		Midsemester Point.
Apr. 17	Noon	Midsemester grades due for all student via Blue and Gold Connection.
		Title IV 60% of semester.
		Last day to drop a course or withdraw from the university. Course dropped will receive a grade of <i>Q</i> . Last day for faculty to drop for non-attendance.
May 9		Final Examinations; Last Class Day.
May 21	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Spring Intersession 2018

Apr. 2	8 a.m.	Registration begins for all students for 2018 Spring Intersession.
May 9		Late Registration begins. A \$35 Late Registration Fee will be assessed to students registering late. Payment Deadline. A \$35 Late Payment Fee will be assessed for registering and/or paying after this date.
May 16		First Class Day.
May 16		Permission to register or change classes is required from the adviser and professor.
May 17	5 p.m.	NO REGISTRATION AFTER THIS DATE. Census Date. Students will be dropped from classes if they have not paid in full or made payment arrangements with the Business Office.
May 21		Final Day to submit Non-Funded Late Registration for Spring Intersession 2018.
May 23		Midsemester Point.
May 25	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of <i>Q</i> . Last day for faculty to drop for non-attendance.
May 28		Memorial Day Holiday – no classes held.
May 31	5 p.m.	Final Day to submit Drop/Withdraw appeal request for Spring Intersession 2018.
May 31		Last Class Day.
June 1		Final Examinations.
June 4	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

First Summer Semester 2018 - First Five-Week Session

Classes meet Monday-Friday Except Where Noted

Apr. 2	8 a.m.	Priority Registration begins for Summer 2018 Sessions.
May 1		<u>Graduate and Undergraduate Students</u> - Deadline to file Application for Degree Candidacy in August with Academic College Dean.
May 21		Tuition Payment Plans open for enrollment
May 28	4 p.m.	Payment Deadline. A \$35 Late Payment Fee will be assessed for registering and/or paying after this date.
May 28		Employee Tuition Assistance Scholarship Deadline.
May 29		Late Registration begins. A \$35 Late Registration Fee will be assessed to students registering late.
June 1		Deadline for students applying for graduation to complete the Change of Name Request form with the Office of the Registrar.
June 3	9 a.m.	Residence Halls open.
June 4		First Class Day.
June 7	5 p.m.	Permission to register or change classes is required from adviser and professor. NO REGISTRATION AFTER THIS DATE. Fourth Class Day. Census Date. Final Payment Deadline. Students will be dropped from Summer I classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
June 7		Meal Plan Payment Deadline.
June 8		A listing of students who will complete graduation requirements in August will be submitted by Academic Deans to the Office of the Provost and Vice President for Academic Affairs.
June 13		Final Day to submit Non-Funded Late Registration for Summer 2018 (1st 5-wks). All non-funded registered students must be paid in full to avoid being dropped.
June 19		Midsemester Point.
June 21	Noon	Midsemester grades due for all students via Blue and Gold Connection.
June 23		Title IV 60% of semester.

June 25	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of Q. Last day for faculty to drop for non-attendance.
July 4		Independence Day Holiday – no classes held.
July 5		Last Class Day.
July 6		Final examinations.
July 6	6 p.m.	Residence Halls close.
July 9	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Second Summer Semester 2018 - Second Five-Week Session

Apr. 2	8 a.m.	Priority Registration begins for 2018 Summer Sessions.
June 25		Tuition Payment Plans open for enrollment.
July 2		Late Registration begins. A \$35 Late Registration Fee will be assessed to students registering late.
July 8	9 a.m.	Residence Halls open.
July 9	4 p.m.	Payment Deadline. A \$35 Late Payment Fee will be assessed for registering and/or paying after this date.
July 9		Employee Tuition Assistance Scholarship Deadline.
July 9		First Class Day.
July 9		Permission to register or change classes is required from adviser and professor.
July 12	5 p.m.	NO REGISTRATION AFTER THIS DATE. Fourth Class Day. Census Date. Final Payment Deadline. Students will be dropped from Summer II classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
July 12		Meal Plan Payment Deadline.
July 18	5 p.m.	Final Day to submit Non-Funded Late Registration for Summer 2018 (2 nd 5-wks). All non-funded registered students must be paid in full to avoid being dropped.
July 24		Midsemester point.
July 26	Noon	Midsemester grades due for all students via Blue and Gold Connection.
July 28		Title IV 60% of semester.
July 30		Last day to drop a course or withdraw from the university. Course dropped will receive a grade of Q. Last day for faculty to drop for non-attendance.
Aug. 1		<u>Graduate and Undergraduate Students</u> - Deadline to file Application for Degree Candidacy in December with Academic College Dean.
Aug. 7		Last Class Day.
Aug. 9		Final examinations.
Aug. 10		Commencement.
Aug. 11	12 p.m.	Residence Halls close.
Aug. 13	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Summer Session 2018 – Ten-Week Session

Apr. 2	8 a.m.	Priority Registration begins for Summer 2018 Sessions.
May 29		Late Registration begins. A \$35 Late Registration Fee will be assessed to students registering late.
June 4		First Class Day.
June 4		Permission to register or change classes is required from adviser and professor.
June 19	5 p.m.	NO REGISTRATION AFTER THIS DATE. Twelfth Class Day. Census Date. Final Payment Deadline. Students will be dropped from Summer 10-Week classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes. No additional Emergency Loans beyond this date.
June 29	5 p.m.	Final Day to submit Non-Funded Late Registration for Summer 2018 (10-wks). All non-funded registration students must be paid in full to avoid being dropped.

July 6		Midsemester Point.
July 9	Noon	Midsemester grades due for all students via Blue and Gold Connection.
July 14		Title IV 60% of semester.
July 16	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of Q. Last day for faculty to drop for non-attendance.
Aug. 8		Last Class Day.
Aug. 8	5 p.m.	Final Day to submit Drop/Withdraw appeal request for Summer 2018.
Aug. 9		Final examinations.
Aug. 10		Commencement.
Aug. 13	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due.

Summer Session 2018 – Eight-Week Session

Apr. 2	8 a.m.	Registration begins for all students for Summer 2018 session.
May 29		Late Registration begins. A \$35 Late Registration Fee will be assessed to students registering late.
June 4		First Class Day.
June 4		Permission to register or change classes is required from the adviser and professor.
June 11	5 p.m.	NO REGISTRATION AFTER THIS DATE. Twelfth Class Day. Census Date. Final Payment Deadline. Students will be dropped from Summer 8-Week classes if they have not paid in full or made payment arrangements with the Business Office. No reinstatement of classes.
June 15	5 p.m.	Final Day to submit Non-Funded Late Registration for Summer 2018 (8-wks). All non-funded registered students must be paid in full to avoid being dropped.
June 26		Midsemester Point.
June 28	Noon	Midsemester grades due for all students via Blue and Gold Connection.
July 1		Title IV 60% of semester.
July 2	5 p.m.	Last day to drop a course or withdraw from the university. Course dropped will receive a grade of Q. Last day for faculty to drop for non-attendance.
July 18		Last Class Day.
July 19		Final examinations.
July 23	Noon	Grades due via the web at Blue and Gold Connection and I-Contracts due

TEXAS A&M UNIVERSITY-KINGSVILLE

The Texas A&M University System

John Sharp, *Chancellor*

Board of Regents

Charles W. Schwartz, Houston, *Chairman*
Elaine Mendoza, San Antonio, *Vice Chairman*
Phil Adams, Bryan/College Station
Robert L. Albritton, Fort Worth
Anthony G. Buzbee, Houston

Morris E. Foster, Austin
Tim Leach, Midland
Bill Mahomes, Dallas
Cliff Thomas, Victoria
Stephen F. Shuchart, Houston, *Student Regent*

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

Steven H. Tallant, *President*
College Hall 201. MSC 101. Extension 3207.

J. Randy Hughes, *Chief of Staff*
College Hall 201. MSC 101. Extension 3207.

Heidi M. Anderson, *Provost and Vice President for Academic Affairs*
College Hall 250. MSC 102. Extension 3108.

Terisa Riley, *Senior Vice President for Student Affairs, Enrollment Management, and University Administration*
College Hall 201. MSC 103. Extension 3612.

Raajkumar S. Kurapati, *Vice President for Finance and Chief Financial Officer*
College Hall 206. MSC 144. Extension 2410

Scott Gines, *Vice President for Intercollegiate Athletics and Campus Recreation*
McCulley Hall 112. MSC 136. Extension 2800.

George A. Rasmussen, *Vice President for Research and Graduate Studies*
College Hall 150. MSC 118. Extension 2809.

Bradley Walker, *Vice President for Advancement and External Relations*
Memorial Student Union Building. MSC 173. Extension 3918

Duane Gardiner, *Associate Vice President for Academic Affairs*
College Hall 250. MSC 102. Extension 3098.

Maria L. Gonzalez, *Associate Vice President for Student Access*
College Hall 230. MSC 181. Extension 2129.

Joanne Macias, *Interim Associate Vice President for Fiscal Affairs and Comptroller*
College Hall 122A. MSC 104. Extension 2897

Nancy KingSanders, *Associate Vice President for Student Success*
College Hall 234. MSC 133. Extension 2157

Robert Paulson, *Associate Vice President for Information Technology/Chief Information Officer*
College Hall 230. MSC 185. Extension 5002.

Ralph Stephens, *Associate Vice President for Support Services*
College Hall 121. MSC 212. Extension 3717.

Cheryl Cain, *Associate Vice President of Marketing and Communications*
College Hall 130D. MSC 114. Extension 2138.

Kirsten Compary, *Assistant Vice President of Student Affairs & Dean of Students*
Memorial Student Union. MSC 122. Extension 3606.

Michelle Duran, *Assistant Vice President of Teaching and Learning*
Jernigan Library 213. MSC 197. Extension 4749.

Regents Professors

1997	Dr. James R. Norwine	2007	Dr. Michael Tewes
1998	Dr. Leslie G. Hunter	2008	Dr. Scott Henke
1999	Dr. John C. Perez	2009	Dr. David Sabrio
2000	Dr. Timothy E. Fulbright	2010	Dr. Mauro Castro
2001	Dr. Jacqueline Thomas	2012	Dr. Kathleen Rees
2002	Dr. Jo Beran	2013	Dr. Nestor Sherman
2004	Dr. Steven Lukefahr	2014	Dr. Karen Sue Bradley
2005	Dr. Paul Hageman	2016	Dr. Kim Jones

Chancellor's Academy of Teacher Educators

2012	Dr. Karen Sue Bradley	2015	Dr. Randall Williams
2013	Dr. Jack Bradley	2016	Dr. Lorraine Killion
2014	Dr. Greta Schuster		

Faculty Lecturers

1981	Dr. Robert B. Davidson	1998	Mr. Clark Magruder
1982	Dr. Jan Bogdan Drath	1999	Dr. Joseph O. Kuti
1983	Dr. Sandy Burton Hicks	2000	Dr. Gary R. Low
1984	Dr. Leo L. Bailey	2001	Dr. Ward Albro
1985	Mr. Maurice Schmidt	2002	Dr. Mark Walsh
1986	Dr. Mary Mattingly	2003	Dr. Steven D. Lukefahr
1987	Dr. David T. Deacon	2004	Dr. Cathy Downs
1988	Dr. Thomas C. Pierson	2005	Dr. Kim Jones
1989	Dr. Emil A. Mucchetti	2006	Dr. Nirmal Goswami
1990	Dr. Robert McLauchlan	2007	Dr. Brenda Melendy
1991	Dr. Rosario Torres Raines	2008	Dr. Jim Norwine
1992	Dr. Francisco Lopez	2009	Dr. Duane Gardiner
	Dr. Bill Chandler	2010	Dr. Dean Ferguson
	Dr. Ward Albro	2011	Dr. Anders Greenspan
1993	Dr. Charanjit Rai	2012	Dr. Stephen Oller
1994	Dr. David Sabrio	2013	Dr. Apu Bhattacharya
1995	Dr. Nicholas Beller	2014	Dr. Michelle R. Garcia
1996	Dr. Jacqueline Thomas	2016	Dr. Joachim Reinhuber
1997	Dr. Daniel J. Suson		

Professors Emeriti

- 1982 Dr. Edwin R. Bogusch
Mr. John E. Conner
Dr. Frank H. Dotterweich
Dr. John W. Howe
Dr. J.R. Manning
Dr. George W. McCulley
Dr. Robert D. Rhode
Dr. Ralph C. Russell
- 1984 Mr. Emerson Korges
Dr. Robert D. Perry
Dr. John C. Rayburn
- 1986 Dr. John W. Glock
Mr. Ben J. South
Mr. Alfred E. Tellinghuisen
- 1987 Dr. James C. Jernigan
Dr. Hildegard Schmalenbeck
Dr. May Campbell
- 1988 Dr. Dennis B. Ford
Dr. D. Jack Stinebaugh
Mr. Mark Stupp
- 1989 Dr. George A. Cook
Mr. S. Burgin Dunn
Mr. C. Van Mooney
- 1990 Dr. Joseph L. Bellamah
Dr. Ruth Gauldin
Mrs. Johnnie Mae Haun
- 1991 Dr. Allan H. Chaney
Dr. David D. Neher
- 1993 Dr. Leo L. Bailey
Dr. George O. Coalson
Dr. William J. Hall
Dr. J. Talmer Peacock
Dr. Rosalina R. Rovira
- 1994 Dr. Richard A. Hensz
Dr. Olan E. Kruse
Dr. Gerald B. Robins
- 1995 Dr. Billy J. Chandler
Dr. Floyd W. Cokendolpher
Dr. Robert B. Davidson
- 1996 Dr. Jerry Bogener
Dr. Randall J. Buchanan
Dr. Virgil C. Kowalik
Dr. Thomas Pierson
- 1997 Dr. Ward S. Albro
Dr. Frederick G. Harvey
Dr. Edward V. Ruhnke
- 2000 Dr. Carl Wood
Dr. Julia Smith
- 2001 Dr. B. Stanley Bittinger
Dr. Janice C. Williams
Mr. Marc Cisneros
- 2002 Dr. Charles DeYoung
Mr. Homi Gorakhpurwalla
Dr. D. Wayne Gunn
- 2003 Dr. Donald A. Hegwood
Dr. Earl Herrick
- 2004 Dr. Robert O. Kirby
Mr. Maurice Schmidt
- 2006 Dr. David T. Deacon
Dr. Gustavo Gonzalez
Dr. Janis B. VanBuren
- 2009 Dr. Leslie Hunter
Dr. Gary Low
Dr. Donald Nixon
- 2010 Dr. Maria Morales
Mr. William Renfrow
Dr. Robert Scott
- 2011 Dr. Allen Ketcham
Dr. Alberto Olivares
Dr. John Perez
Dr. J.D. Phaup
- 2012 Dr. David Cecil
Dr. Grace Hopkins
Dr. James Norwine
- 2014 Ms. Livia Diaz
Dr. J. Victor French
Dr. Carol Tipton
- 2015 Dr. Robert Diersing
Dr. David Sabrio

LOCATION

Texas A&M University-Kingsville is located in Kingsville, home of the legendary King Ranch. Kingsville is a city of approximately 25,000 that grew out of ranching, railroad and oil industry. The city is centrally located between the Rio Grande Valley to the south and Corpus Christi and San Antonio to the north. In addition to the university and King Ranch, the city also is home to Naval Air Station-Kingsville, one of the U.S. Navy's premier locations for jet aviation training.

Buildings and Grounds

Texas A&M University-Kingsville has more than 1,600 acres of land located at 13 different sites. The main campus occupies approximately 250 acres and the University Farm consists of 545 acres of land located about one-half mile north of the main campus. The university also operates sites specifically dedicated to research including the Citrus Center near Weslaco, Texas, a marine sciences ecology research area on Baffin Bay, a wildlife part on the north edge of the main campus and natural wildlife habitat about three miles south of the main campus. In addition to its research facility, the university offers classes for selected degree programs in Weslaco. The university also owns two commercial farms that are currently leased to private farmers providing a source of revenue to partially support scholarships.

HISTORY

Texas A&M University-Kingsville had its origin as a public institution in the teacher college movement that swept Texas in the early 1900s. Shortly after the institution's inception as South Texas State Teachers College in 1925, its role was expanded to embrace a wider array of programs typically authorized for comprehensive universities, including the graduate program that began in 1935. The historical expansion of the university's role was reflected in the change of its name to Texas College of Arts and Industries in 1929 and to Texas A&I University in 1967. The university became the nucleus of the University System of South Texas in 1972. In 1989, the university, along with other USST institutions, became a member of The Texas A&M University System. The System Board of Regents in 1993 voted to change the name of the university to Texas A&M University-Kingsville, effective September 1, 1993.

MISSION OF THE UNIVERSITY

The mission of Texas A&M University-Kingsville is to enrich lives through education, discovery and service in South Texas and beyond.

VISION

Texas A&M University-Kingsville is committed to being a renowned, diverse community of learners and innovators.

CORE VALUES

- Excellence: Continuous achievement of high standards
- Integrity: Ethical conduct in all endeavors
- Opportunity: Pursuit of personal and professional growth
- Discovery: Expansion and application of knowledge
- Service: Actions beneficial to others

GRADUATE DEGREES AND MAJORS OFFERED

DEGREES

Doctor of Education

MAJORS

Bilingual Education

Educational Leadership

Doctor of Philosophy

Environmental Engineering

Hispanic Studies (*cooperative degree with Texas A&M University; Texas A&M University-Corpus Christi; Texas A&M International University*)

Horticulture (*cooperative degree with Texas A&M University*)

Sustainable Energy Systems Engineering

Wildlife Science

Master of Arts

Cultural Studies, Psychology, Sociology, Counseling Psychology

Master of Business Administration

Business Administration

Master of Education

Adult Education, Early Childhood, Special Education

Master of Engineering

Chemical Engineering, Civil Engineering, Electrical Engineering, Environmental Engineering, Mechanical Engineering, Natural Gas Engineering

Master of Music

Music Education, Music Performance

Master of Science

Agriculture Science, Animal Science, Bilingual Education, Biology, Chemical Engineering, Chemistry, Civil Engineering, Clinical Mental Health Counseling, Communication Sciences and Disorders, Computer Science, Counseling and Guidance, Criminology, Education, Educational Administration, Electrical Engineering, Environmental Engineering, Industrial Engineering, Industrial Management, Instructional Technology, Kinesiology, Mechanical Engineering, Natural Gas Engineering, Plant and Soil Science, Psychology, Ranch Management, Range and Wildlife Management, Reading Specialization, Sociology, Statistical Analytics Computing and Modeling.

Master of Science in Human Sciences

Human Sciences

Master of Social Work

Social Work

GRADUATE TRANSCRIPTED CERTIFICATE PROGRAMS OFFERED

College

College of Education and Human Performance
Frank H. Dotterweich College of Engineering

Certificate

Higher Education Administration and Leadership (Doctoral Level)
Engineering Project Management Professional Certificate

GRADUATE NON-TRANSCRIPTED CERTIFICATE PROGRAMS OFFERED

College

College of Arts and Sciences
College of Business Administration

Certificate

Geographic Information Sciences (GIS)
Certificate in Energy Finance and Logistics
Forensic Accounting
Health Service Administration Certificate
Managing People in the Global Enterprise Certificate

ADMISSION TO THE UNIVERSITY

College of Graduate Studies
College Hall 150
361-593-2808

In order to apply for admission to the College of Graduate Studies, the applicant must submit an online application via [ApplyTexas Webpage](#) to the College of Graduate Studies. A student must be admitted both to the College of 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-Kingsville 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-Kingsville 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-Kingsville 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-Kingsville 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 College of Graduate Studies, Texas A&M University-Kingsville, MSC 118, Kingsville, Texas 78363 by the following deadlines to ensure the application is processed prior to the beginning of the semester:

Domestic Applicants	International Applicants
Fall Semester – July 1	Fall Semester – June 1
Spring Semester – November 15	Spring Semester – October 1
Summer Sessions – April 15	Summer Sessions – April 1

Departments 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 or doctoral programs at Texas A&M University-Kingsville must submit the following:

1. Completed application for admission, including the \$35 non-refundable application fee. The Apply Texas Application is available online at <https://www.applytexas.org>.
2. Official transcripts of college or university course work from all colleges or universities attended. Degrees received must be posted on the transcript of the awarding institution. A students must hold a baccalaureate degree or higher from a regionally accredited college or university.
3. Results of the nationally standardized examination sent directly to the College of Graduate Studies, Texas A&M University-Kingsville, MSC 118, Kingsville, Texas 78363 by the testing center. (GRE and GMAT code is 6822; MAT code is 2242)
4. Three (3) letters of recommendation are required for graduate students majoring in any doctoral program plus those seeking a master's degree in Communication Sciences and Disorders and those seeking a master's degree in Social Work.

Admission Requirements – International Applicants

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

1. Completed application for admission, including the \$50 non-refundable application fee (fee is subject to change). 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 credential issued in any language other than English.
4. Proof of English proficiency is required of all students (see Proof of English Proficiency below). Students who are not proficient in English and have no proof of TOEFL/IELTS will be required to participate in the English Language Training Center (ELTC) program before graduate admission.
5. Results of the nationally standardized examination sent directly to the College of Graduate Studies, Texas A&M University-Kingsville, MSC 118, Kingsville, Texas 78363 by the testing service. (GRE and GMAT code is 6822; MAT code is 2242) Students in the Intensive English Program must take the standardized examinations immediately following the completion of the program.
6. Three (3) letters of recommendation are required for graduate students majoring in any doctoral program plus those seeking a master's degree in Communication Sciences and Disorders.
7. Proof of ability to meet personal and academic expenses. A minimum of \$25,808 (U.S.) per year is currently required to meet such expenses. Valid financial support documents (dated less than one year from the program start date) must indicate the minimum U.S. dollar amount required by the university. The required minimum is subject to change without notice.

In terms of requirements for admission, students who have graduated from an accredited college or university in the United States will be treated as their Domestic counterparts.

Graduate Programs may have higher admission requirements than those set by the College of Graduate Studies; however, the Graduate Programs may not have lower requirements. Additional admission requirements may be required by the Graduate Programs.

Proof of English Proficiency

Texas A&M University-Kingsville 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 Test of English as a Foreign Language (TOEFL) score, Texas A&M University-Kingsville bases its minimum English language proficiency requirements on the TOEFL. Texas A&M University-Kingsville requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based) or 79 (Internet-based). This score must be sent directly from the Educational Testing Services (ETC) and dated within two (2) years of enrollment. Residual (Institutional) TOEFL exams taken at another institution will not be accepted. TOEFL (Code#6822).

The following are considered equivalent to the TOEFL scores of 79 (iBT)/550 (PBT):

- IELTS 6.0 or above overall band score.
- GRE Verbal Score 146 or higher.
- 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, Ireland, 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.

- Based on the review and decision of the College of Graduate Studies, students who have earned at least 12 credits with a grade of *B* (3.0 minimum GPA per course) or better in university-level courses from a U.S. institution or an institution in one of the countries listed above, may be exempt from TOEFL.
- Texas A&M University-Kingsville ELTC completion of program certificate with an Advanced Plan. (Texas A&M University-Kingsville ELTC placement test and recommendations from the ELTC director are considered.
- Completion of the advanced-level Texas Intensive English Program (TIEP) offered by the Texas International Education Consortium (TIEC).

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

Admission Categories

Full 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 College of Graduate Studies minimum requirement sets:

1. Have an undergraduate cumulative grade point average between 2.3-2.59 and a minimum GRE composite (Q+V) score of 294 or minimum MAT score of 398 (optional test to the GRE for Education majors only).
2. Have an undergraduate cumulative grade point average between 2.6 and above 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 284 or minimum MAT score of 388 (optional test to the GRE for Education majors only).
3. Business Administration majors must have an undergraduate cumulative grade point average of 2.6 or above, a minimum two years full-time work experience and a GMAT score of 420 or higher. For MBA majors only, TAMUK Alumni with an undergraduate institutional GPA of 3.5 may be exempt from the GRE/GMAT requirement.
4. For Doctoral Programs, successful completion of a Master's degree and a minimum GRE composite score of 294 or minimum MAT score of 398.

Additional admission requirements may be required by the Graduate Programs. Graduate Programs may have higher admission requirements than those set by the College of Graduate Studies; however, the Graduate Programs may not have lower requirements. Additional admission requirements may be required by the Graduate Programs.

Full Admission with Stipulations

Students who have earned a baccalaureate degree from a recognized college or university, but do not satisfy Full Admission Requirements, may be fully admitted with stipulations on a case by case basis. To be accepted in this status, a student's credentials will have to be reviewed and accepted by the graduate program to which the student is applying and approved by the graduate dean. Students are fully admitted, but may have additional stipulations to be met during the course of their study. Stipulations will be specified in writing by the graduate program to which the students have been admitted. These stipulations must be satisfied within the period indicated by the admitting graduate program. Failure to satisfy stipulations may result in the student being dismissed from the program. Stipulations are monitored by the department.

English Conditional

Students who meet the academic program requirements for admission, but do not meet English proficiency requirements, may join the English Language Training Center (ELTC) Program. These students will have to complete the ELTC Program before being allowed to register for any undergraduate/graduate courses as degree seeking students.

Non-degree Admission

A non-degree student can take up to 9 SCH of graduate course credit with the provision of taking additional course work upon obtaining approval from the graduate dean. A non-degree seeking student must: hold at least a baccalaureate degree from a regionally accredited college or university with a grade point average of at least 2.0 and be in good standing at the last institution attended.

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, except Social Work. Each department 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 have been inactive for two long semesters (fall and spring) must resubmit an application to be considered for readmission via www.applytexas.org. Students returning for certification must complete a new application for admission ([ApplyTexas Webpage](#)) to be admitted for the certification program.

Admittance to a Specific Program

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

Before admission to a specific degree program, the graduate coordinator for the program must accept the student. The program adviser 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 the chair and one member must be from the degree program.

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.

Senior Status (Undergraduate Students)

Concurrent enrollment in a graduate course may be allowed after an undergraduate student is classified as a senior. In such concurrent enrollment, the student must not enroll in excess of 15 SCH in a fall/spring semester and no more than 6 SCH in a summer term. The graduate course(s) can be used to satisfy either the baccalaureate degree or the master's degree requirements. In addition, the student is limited to a maximum of 9 SCH of graduate courses. The student must have an overall minimum GPA of 2.6 or better. This request must be approved before the student registers for the graduate courses. Forms for Concurrent Enrollment are available on the College of Graduate Studies' website <http://www.tamuk.edu/grad>.

Transfer Students and Transferred Grades

Only grades of *A* or *B* (3.0 minimum GPA per course) earned on applicable graduate level courses which have been approved in writing by the graduate coordinator/adviser and department chair 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 Dean of the College 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-Kingsville. Transferred courses must have been taken within the last seven years. Graduate credits older than those stipulated are not applicable toward a graduate degree without written approval of the graduate dean.

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 one-half of the total number of semester hours required for a master's degree (not including the Project, Thesis or Dissertation courses) and no more than one-half of the semester hours for the major subject area or for each supporting field may be transferred. Such courses must be approved by the Dean of the College 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.

Concurrent Enrollment at Other Institutions

Credit earned by a student at another institution while concurrently enrolled at Texas A&M University-Kingsville will be transferred only if the student has received written approval from the graduate coordinator/adviser and department chair.

Note: Applications to the graduate program are available at www.applytexas.org. Questions can be directed to the College of Graduate Studies, Texas A&M University-Kingsville, MSC 118, Kingsville, Texas 78363, phone (361) 593-2808, fax (361) 593-3412. gradschool@tamuk.edu

UNIVERSITY HOUSING AND RESIDENCE LIFE AND DINING SERVICES

Thomas D. Martin, *Executive Director of University Housing and Residence Life*
Lucio Hall, Room 119. MSC 108. Extension 3419.

Applying for University Housing and Residence Life

Students applying for housing must first be admitted to the University. Housing applications are available online at: [Blue and Gold Connection](#). A \$150 deposit must be submitted at least two weeks before move-in. Applications are processed in order of the date they are received and/or by the date of the verification of their Bacterial Meningitis vaccination. Contact the Department of University Housing and Residence Life Office at (361) 593-3419 for more Housing information. Students are encouraged to read the agreement along with the terms and conditions carefully before signing and submitting it to the university. Once the agreement is submitted online or signed and submitted to our office, it becomes a binding agreement between the student and the university for the entire academic year (both fall and spring semesters) and while the student is enrolled at Texas A&M University-Kingsville.

TEXAS STATE LAW – SB 1107 now TEC 51.9192

Bacterial Meningitis Vaccination is required for all new, transfer and returning students (who have had a Fall or Spring semester break in their attendance at an institution of higher education.) This law went into effect on October 1, 2013.

The State of Texas has passed a new law (SB 1107 now TEC 51.9192) that will require all new, transfer and returning students (who have had a fall or spring semester break in their attendance at an institution of higher education) to have a vaccination against bacterial meningitis. All first-time freshmen, transfer and returning students wishing to live on campus after October 1, 2013 must provide to our office the following before being assigned to campus housing:

1. Valid Proof of Vaccination
 - a) The signature or stamp of a physician or his/her designee or public health personnel on a form which shows the month, date and the year the vaccination dose or booster was administered.
 - b) An official immunization record generated from a state or local health authority.
 - c) An official record received from school officials, including a record from another state.

2. Valid Proof of Vaccination Exemption
 - a) An affidavit or a certificate signed by a physician who is duly registered and licensed to practice medicine in the United States, in which it is stated that, in the physicians opinion, the vaccination required would be injurious to the health and well being of the student.
 - b) An affidavit signed by the student stating that the student declines the vaccination for bacterial meningitis for reasons of conscience, including a religious belief. A conscientious exemption form from the State of Texas Department of State Health Services must be used and can be found at [Vaccination Affidavit Webpage](#)

3. Students to whom this New Law Does Not Apply
 - a) Student is 22 years of age or older by the first class day of the start of the semester.

Students are strongly encouraged to visit with their primary care physician or area health clinic as soon as possible to receive the appropriate vaccinations.

Room Reservation and Damage Deposit

The \$150 room reservation and damage deposit is retained throughout the period of residence of the student as a guarantee against damage and unwarranted depreciation. The deposit will be returned to the student after termination of residence with the amount assessed for damages or any other university debt, if any, deducted from the \$150.

The deposit will be forfeited if the student (a) cancels the room reservation after the stated cancellation deadline for the semester or session for which it was made; (b) moves from the residence hall before the end of the academic year (fall and spring semesters); (c) does not check in by the last day of regular registration for the semester or session for which the reservation was made; or (d) does not officially check out of the residence hall upon termination of residency.

Cancellation Dates

Should there be a change in your plans to enroll at Texas A&M University-Kingsville, written notice of cancellation must be received by the Department of University Housing Residence Life on or before the following deadlines in order to receive a refund of \$100 of the Housing Deposit.

July 1 – Fall Semester December 1 – Spring Semester May 1 – Summer I June 1 – Summer II

Written cancellation requests may be received in person, by mail, or email to the Department of University Housing & Residence Life, 700 University Blvd., MSC 108, Kingsville, TX 78363-8202. Notification submitted to other departments other than the Department of University Housing & Residence Life does not comply with this requirement; and thus requested action cannot be assured.

Termination/Cancellation after the Semester Deadline for 1st Time Applicants and Returning Residents: A Housing Exception Request Form must be submitted and if approved, the \$150 housing deposit will be forfeited.

<u>Effective Date of Cancellation</u>	<u>Cancellation Charge</u>
1. On or Before Semester Deadline	\$50 *
2. After Semester Deadline (Between 1-30 Days)	\$550 **
3. After Semester Deadline (After 30+ Days)	\$650 ***

*\$50 of your Housing Deposit will be forfeited.

**A Housing Exception Form must be submitted and if Approved the housing deposit will be forfeited and your Blue and Gold Student Account will be charged \$400 for Liquidated Damages.

***A Housing Exception Form must be submitted and if Approved the housing deposit will be forfeited and your Blue and Gold Student Account will be charged \$500 for Liquidated Damages.

Residence Halls

Rooms in each residence hall accommodate two students. Each hall has a laundry room, vending area, small kitchen and common lobby available for student use. Cable television and internet service is available in each student room. Students eat their meals in one of three cafeterias located on campus. Housing rates are listed at the end of this section. Rules governing residence hall living and dining room conduct are set forth in the *University Housing and Residence Life Guidebook*. All residence halls are smoke-free.

James E. Turner-Carrie Lee Bishop Hall is a three-story, air-conditioned complex accommodating 368 women and 392 men. The complex is located on the west end of the campus. Men live in Turner Hall, and women live in Bishop Hall. Each side of the complex has its own study room, lounge, computer lab and television room. Central bathroom facilities are located on each floor. Turner Hall has a courtyard equipped with a barbecue pit, picnic table and basketball half court. Bishop Hall has two courtyards, one of which features a volleyball court. Room furnishings in both halls include pull-out beds, built-in desks and bookshelves. Also provided are two bulletin boards, two chairs, two chest-of-drawers, two closets and two Ethernet ports.

John F. Lynch Hall is a two-story, air-conditioned hall for 200 women. It is located across the street from the Memorial Student Union. The hall has a large lounge/TV area, computer lab and a study room. Room furnishings include two height adjustable twin beds with lofting capabilities, desks and bookshelves, two chairs, a chest-of-drawers, two closets and two Ethernet ports. Lynch Hall has a sundeck available for its residents. Its two-person, suite-style design provides students with the opportunity to share a bathroom with suite mates connected to the adjoining rooms.

J. C. Martin Jr. Hall (B Side) is a three-story, air-conditioned residence hall for 204 men. Martin Hall is located across the parking lot from Turner-Bishop Hall on the west side of campus. The hall has a large lounge/TV area, a computer lab and a study room. Room furnishings include two beds and a chest of drawers, a built-in desk and bookcase, two closets, two chairs and two Ethernet ports. Central bathroom facilities are located on each wing. Martin (A side) can house up to 190 male students and up to 65 upperclassmen male students (21 years of age or who have 60 or more credit hours). Martin Hall has an outdoor courtyard which includes a basketball half court.

Mesquite Village West – Home of the Honors College is a 300 bed co-ed complex located across from Lucio Hall, with all the extras students require. The residence hall offers first priority to Honor students who have been accepted into the Honors Program. Students are assigned to a 2-bedroom, 1-bath or a 4-bedroom, 2-bath unit and share a living room area with a small kitchenette. Room furnishings will include a large, twin size bed, chest of drawers, a desk and chair and a closet. Each will have one or two bathrooms depending on the unit choice. While bedrooms will be private, residents will share a common living area and kitchenette. In addition, cable television and internet services will be provided in each room and living room. Residents will also have access to wireless internet, study labs, a large lounge and meeting rooms. On-site mail boxes and a conveniently located Dean's office are also located in this residence hall.

Eduardo and Josefa Lucio Hall is a 600 beds co-ed complex located across from Martin Hall, with all the extras students require. Students are assigned to a 2-bedroom, 1-bath or a 4-bedroom, 2-bath unit and share a living room area with a small kitchenette. Students under 21 years of age or less than 60 hours will be required to have a meal plan. Room furnishings will include a large, twin size bed, chest of drawers, a desk and chair, and a closet. Each will have one or two bathrooms depending on your choice of unit. While bedrooms will be private, residents will share a common living area and kitchenette. In addition, cable television and Internet services, will be provided in each room and living room. Residents will also have access to wireless internet, study labs, a large lounge and meeting rooms. On-site mail boxes, and conveniently located administrative offices.

Meal Plans

Students younger than 21 years of age will be required to have a meal plan. When applying for housing and during the fall and spring semesters, the student may select from a variety of meal plans on the housing agreement. Any changes to the student's initial meal plan selection must be made within seven days after check-in. (This does not include the block plan, which cannot be changed.) Requests for changes to the meal plan are handled at the University Housing and Residence Life Office.

Payment must be made for both the room and the meal plan. No credit will be allowed for nights not spent in the hall or meals missed. Meal plans are not transferrable from one person to another. Students who purchase a meal plan will be issued meal privileges on their student ID card. It is the student's responsibility to promptly make arrangements to pay room and board fees in order to obtain and maintain meal privileges. Failure to obtain an ID card/meal privileges does not exempt the student from the obligation to pay the full amount for room and board fees due. The student will be charged a replacement fee for the loss of the ID card. Replacements are obtained at the ID Center located in the Memorial Student Union.

Housing Payment Procedures

Upon being assigned to a residence hall, the housing fees will be added to the student's account (which includes tuition and other student fees). It shall be the student's responsibility to make prompt arrangements for payment.

The student may pay the full amount due or arrange to pay under the university's deferred payment plan. The first payment is equal to one-fourth of the charges due plus a \$30 administrative fee and is due on or before the designated payment deadline. The remaining amount is due in three quarter payments. Students selecting the deferred payment plan must arrange for and sign the payment plan at the Business Office. Make sure that all classes and housing charges are included as only one plan is allowed. The following policies and procedures will apply:

- a. Students receiving university-sponsored financial aid are expected to pay all financial obligations owed the university at the time they receive the financial aid.
- b. The Business Office will send invoices to the student's billing address. Hall payments must be made on or before the due date, or a \$15 late fee will be assessed.
- c. If a scheduled payment becomes 10 days delinquent, notification will be forwarded to stop meals. **The student will still be responsible for paying for meals which have been stopped because of non-**

payment. Students who have their meals stopped for non-payment are encouraged to meet with the business services manager, whose office is located in the Business Office at College Hall, to discuss payment arrangements.

- d. A “hold” will be placed on the student’s records for delinquent payments. A student will not receive his/her grades, transcript or be allowed to register for future semesters until such hold is cleared. Non-payment will also result in loss of future housing privileges.
- e. Failure to pay account in full by the end of each contracted semester or session will result in the student’s account being referred to the University Collection Department to begin collection procedures. If satisfactory payment arrangements are not made with the University Collection Department, the account will be sent to an outside collection agency. The student will then be responsible for paying additional collection agency fees of up to 33% of the unpaid balance.
- f. Refund of unused room and board fees due to early check-out will be paid in the following order when applicable: a) Financial Aid refund; b) outstanding university debts; c) remaining portion to the student.

Refunds

Students withdrawing or terminating from the university during a semester or term will receive a refund of housing fees prorated on a calendar basis up to the semester midpoint (and in accordance with financial aid guidelines where applicable). Students withdrawing or terminating from the residence hall after mid semester point will not be eligible to receive a housing and board refund. (Refer to housing agreement for further information.)

Miscellaneous Housing Information

- a. The university will make all residence hall, room assignments and reassignments as necessary. The university cannot guarantee assignment to a particular hall or a specific roommate. First preference is given to students who resided in the halls the previous long semester and contracted to return to the halls. New applicants are assigned on a space available basis, according to the date that the housing contract is received and provided that the student has been admitted to the university and cleared by the Bacterial Meningitis Vaccination requirement. Not placing a deposit or submitting incomplete application forms can also delay the assignment process.
- b. All students are initially assigned a roommate at the beginning of the semester. Should a student’s roommate not check- in to the hall, that student will be requested to consolidate with another person.
- c. Specific roommate requests are accommodated as possible. Students with roommate preferences must mutually request each other on the housing agreement, request the same hall and include their prospective roommate’s ID number. Both agreements must also be received by the June 1 priority deadline (for fall semester assignment). Not being admitted to the university, not placing a deposit or submitting incomplete forms can also delay assignment.
- d. Due to space limitations, private rooms cannot be reserved in advance. Private rooms are assigned from a waiting list after the 12th class day if space is available. There is an additional charge for a private room. The university does reserve the right to place two people in a room that has been assigned as a private room if space is needed. A refund will be made to the person who has paid for a private room (prorated from date the private room is relinquished).
- e. In signing a housing agreement, the student agrees to reside in that room for the time specified in the agreement. This agreement is personal and may not be transferred or assigned to another person. If the student fails to enroll at the university, advance notice of residence hall cancellation must be provided in writing. Under the terms of the housing agreement, moving from the residence hall without an authorized release from the agreement will not terminate the student’s fiscal obligations.
- f. Residence halls and dining halls are closed between the fall and spring semesters and during university holidays. The residence hall calendar and the housing and food service contract show the specific times that the residence halls are open and when meals are served. During periods when classes are not in session, housing may be made available if the university determines there is sufficient demand. In such instances, additional rent may be required of each student desiring accommodations. The amount will be determined by the Residence Life Office, and students will be consolidated into one hall.

Residence Hall Association

Composed of student representatives from each residence hall, the association represents the entire residence hall population. Its purpose is to provide effective lines of communication among the house councils and with the Residence Life Office; to coordinate the programs, activities and government of the individual residence halls; to

arbitrate any disputes pertaining to house council operating procedures; and to recommend policies affecting all residence halls. Each residence hall has its own house council.

ARAMARK DINING SERVICES

Jeffery McKinley, *Senior Director of Dining Services*
Memorial Student Union 212. MSC 124. Extension 3096.

Javelina Dining by ARAMARK is the sole provider of food services on campus. The Memorial Student Union (MSU) houses five retail options. They include Pizza Hut Express, Subway, Starbucks, Chik Fil-A Express and Sushic. Turner-Bishop Dining Hall is a full service dining option that is open during peak meal periods and offers continuous meal service. Provisions on Demand offers an array of convenience items as well as a grab and go program for lunch and dinner. Cup and Chaucer, located in Jernigan Library, provides quick snacks and coffee for breakfast and sandwiches, salads and drinks through the rest of the day.

Most meal plans include specific dollar allocations for retail purchases as well as regular meals. You can also purchase Javelina Dollars that are loaded on your student ID card and are accepted at any Javelina Dining retail and dining location.

Javelina Dining also offers a full-service catering operation that can provide anything from coffee service to full service dinner banquets to large wedding receptions as well as special events off campus. Visit [Javelina Catering Webpage](#) for catering menu options and a list of services provided. Concessions services are provided at all events held at Javelina Stadium, the Steinke Physical Education Center and softball and baseball fields. Visit [Javelina Catering Webpage](#) for more information.

SUMMARY OF HOUSING RATES

The university reserves the right to change housing fees on 30 days' notice

The Housing and Board Rates can be paid 2 different ways:

1. Making A **One Time Payment** at the beginning of the semester (or)
2. Signing Up for the **Deferred Payment Plan**: 1st payment due upon execution of note; one fourth of fees plus \$30, 2nd payment = one fourth of fees, 3rd payment = one fourth of fees, 4th payment = one fourth of fees

Semi-Private Room and Board Rates (Fall or Spring) With Carte Blanche meal plan and \$75 credit line

<i>Men's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Martin Hall – A	\$3,903.71	\$1,005.92	\$975.93	\$975.93	\$975.93
Martin Hall - B	\$3,903.71	\$1,005.92	\$975.93	\$975.93	\$975.93
Turner Hall	\$3,903.71	\$1,005.92	\$975.93	\$975.93	\$975.93

<i>Women's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Bishop Hall	\$3,903.71	\$1,005.92	\$975.93	\$975.93	\$975.93
Lynch Hall	\$4,118.71	\$1,059.67	\$1,029.68	\$1,029.68	\$1,029.68

<i>Co-ed Hall</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Mesquite Village West or Lucio Hall – 2 Bedroom	\$5,411.71	\$1,382.92	\$1,352.93	\$1,352.93	\$1,352.93
Mesquite Village West or Lucio Hall – 4 Bedroom	\$5,201.71	\$1,330.42	\$1,300.43	\$1,300.43	\$1,300.43

Semi-Private Room and Board Rates (Fall or Spring) with 14 Meals per week plan and \$100 credit line

<i>Men's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Martin Hall – A	\$3,810.71	\$982.67	\$952.68	\$952.68	\$952.68
Martin Hall - B	\$3,810.71	\$982.67	\$952.68	\$952.68	\$952.68
Turner Hall	\$3,810.71	\$982.67	\$952.68	\$952.68	\$952.68

<i>Women's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Bishop Hall	\$3,810.71	\$982.67	\$952.67	\$952.68	\$952.68
Lynch Hall	\$4,025.71	\$1,036.42	\$1,006.43	\$1,006.43	\$1,006.43

<i>Co-ed Hall</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Mesquite Village West or Lucio Hall – 2 Bedroom	\$5,318.71	\$1,359.67	\$1,329.68	\$1,329.68	\$1,329.68
Mesquite Village West or Lucio Hall – 4 Bedroom	\$5,108.71	\$1,307.17	\$1,277.18	\$1,277.18	\$1,277.18

**Semi-Private Room and Board Rates (Fall or Spring)
with 10 Meals per week plan and \$250 credit line**

<i>Men's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Martin Hall – A	\$3,815.18	\$983.78	\$953.80	\$953.80	\$953.80
Martin Hall - B	\$3,815.18	\$983.78	\$953.80	\$953.80	\$953.80
Turner Hall	\$3,815.18	\$983.78	\$953.80	\$953.80	\$953.80

<i>Women's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Bishop Hall	\$3,815.18	\$983.78	\$953.80	\$953.80	\$953.80
Lynch Hall	\$4,030.18	\$1,037.53	\$1,007.55	\$1,007.55	\$1,007.55

<i>Co-ed Hall</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Mesquite Village West or Lucio Hall – 2 Bedroom	\$5,323.18	\$1,360.78	\$1,330.80	\$1,330.80	\$1,330.80
Mesquite Village West or Lucio Hall – 4 Bedroom	\$5,113.18	\$1,308.28	\$1,278.30	\$1,278.30	\$1,278.30

**Semi-Private Room and Board Rates (Fall or Spring)
with 10 Meals per week plan and \$100 credit line**

<i>Men's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Martin Hall – A	\$3,630.74	\$937.67	\$907.69	\$907.69	\$907.69
Martin Hall - B	\$3,630.74	\$937.67	\$907.69	\$907.69	\$907.69
Turner Hall	\$3,630.74	\$937.67	\$907.69	\$907.69	\$907.69

<i>Women's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Bishop Hall	\$3,630.74	\$937.67	\$907.69	\$907.69	\$907.69
Lynch Hall	\$3,845.74	\$991.42	\$961.44	\$961.44	\$961.44

<i>Co-ed Hall</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Mesquite Village West or Lucio Hall – 2 Bedroom	\$5,138.74	\$1,314.67	\$1,284.69	\$1,284.69	\$1,284.69
Mesquite Village West or Lucio Hall – 4 Bedroom	\$4,928.74	\$1,262.17	\$1,232.19	\$1,232.19	\$1,232.19

**Semi-Private Room and Board Rates (Fall or Spring)
with 10 Meals per week plan**

<i>Men's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Martin Hall – A	\$3,543.55	\$915.88	\$885.89	\$885.89	\$885.89
Martin Hall - B	\$3,543.55	\$915.88	\$885.89	\$885.89	\$885.89
Turner Hall	\$3,543.55	\$915.88	\$885.89	\$885.89	\$885.89

<i>Women's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Bishop Hall	\$3,543.55	\$915.88	\$885.89	\$885.89	\$885.89
Lynch Hall	\$3,758.55	\$969.63	\$939.64	\$939.64	\$939.64

<i>Co-ed Hall</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Mesquite Village West or Lucio Hall – 2 Bedroom	\$5,051.55	\$1,292.88	\$1,262.89	\$1,262.89	\$1,262.89
Mesquite Village West or Lucio Hall – 4 Bedroom	\$4,841.55	\$1,240.38	\$1,210.39	\$1,210.39	\$1,210.39

**Room and Board Rates (Fall or Spring)
with 45 Meals Block Plan and \$75 Credit Line
(Must be 21 years)**

<i>Men's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Martin Hall – A	\$2,607.95	\$681.98	\$651.99	\$651.99	\$651.99
Martin Hall - B	\$2,607.95	\$681.98	\$651.99	\$651.99	\$651.99
Turner Hall	\$2,607.95	\$681.98	\$651.99	\$651.99	\$651.99

<i>Women's Residence Halls</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Bishop Hall	\$2,607.95	\$681.98	\$651.99	\$651.99	\$651.99
Lynch Hall	\$2,822.95	\$735.73	\$705.74	\$705.74	\$705.74

<i>Co-ed Hall</i>	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
Mesquite Village West or Lucio Hall – 2 Bedroom	\$4,115.95	\$1,058.98	\$1,028.99	\$1,028.99	\$1,028.99
Mesquite Village West or Lucio Hall – 4 Bedroom	\$3,905.95	\$1,006.48	\$976.49	\$976.49	\$976.49

Additional Cost for Private Room

	<i>One Payment Plan</i>	<i>Deferred Payment Plan 1st payment</i>	<i>Deferred Payment Plan 2nd payment</i>	<i>Deferred Payment Plan 3rd payment</i>	<i>Deferred Payment Plan 4th payment</i>
All Halls <i>\$400 is included</i>	\$400.00	\$130.00	\$100.00	\$100.00	\$100.00

EDUCATIONAL EXPENSES

Director of Student Accounts/Bursar, Business Office
College Hall 104. MSC 104. Extension 2616 option #1.

Estimated Nine-Month Budget

The following nine month budgets are offered as estimates of reasonable expected expenses. These estimates are based on a 10 credit hour course load and are subject to change.

Texas A&M University-Kingsville Budget for 2017-2018 (Texas Resident) Fall and Spring (award year/semester)

	On Campus	Off Campus
Tuition & Fees	\$5,882	\$5,882
Books & Supplies	\$995	\$995
Room & Board	\$8,530	\$7,466
Transportation	\$2,496	\$2,496
Miscellaneous	\$2,132	\$2,862
Total	\$15,209	\$19,701

Texas A&M University-Kingsville Budget for 2017-2018 (Nonresident) Fall and Spring (award year/semester)

	On Campus	Off Campus
Tuition & Fees	\$5,882	\$5,882
Non-Resident Fee	\$7,800	\$7,800
Books & Supplies	\$995	\$995
Room & Board	\$8,530	\$7,466
Transportation	\$2,496	\$2,496
Miscellaneous	\$2,862	\$2,862
Total	\$28,075	\$27,501

Married couples and single head of household may add additionally 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, receive official transcripts or enroll for another semester. Failure to make room and board payments on time may result in the loss of meal privileges and eviction from the university residence hall. In addition, the University has the right to forward any unpaid accounts to a collection agency. The student will be responsible for any attorney fees and/or any collection cost necessary for the collection of any amount not paid when due. In all cases, the student will be duly notified and given a reasonable length of time to clear the obligation before the enforcement of disciplinary action.

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: Census day 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, all classes will be dropped for non-payment. The census day of the long semesters (fall and spring) is the 12th class day. The census day for the summer terms is the 4th class day. Census day is a drop day, if all tuition and mandatory fees are not paid in full.

Mandatory Tuition and Fees

Students who do not pay mandatory tuition and fees in full by established deadlines will be dropped from more classes, according to the unpaid balance due. Students who establish a valid payment plan by established deadlines will not be dropped.

Payment Plans

The following plans are available to assist students with the payment of tuition, fees, room and meals.

1. Installment Payment Plan of Tuition and Fees

Students selecting the installment payment plan may pay tuition and fees in payments. There is a \$15 or \$30 administrative fee for choosing the payment plan depending on the plan you choose. Students who select a payment plan 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 payment plan will be applied to account balance until paid in full.
- b. A late payment penalty of \$25 or \$50 will be assessed for any payment not made on or before the due date.
- c. 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.

Charge Card Privilege

Students may pay tuition and fees, including room and board, with American Express, Discover, MasterCard and VISA. Credit card payments may be made via MoneyConnect, by logging into the Blue and Gold Connection and selecting MoneyConnect Login.

Concurrent Enrollment at Other Public Institution of Higher Education

Students must present to the Registrar on the day they register evidence of previous enrollment for the same semester, number of hours enrolled and receipt showing the total tuition and other registration fees paid at another public institution in order to be eligible for 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 mail 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 \$30 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. 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, checks will no longer be accepted for 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.

Resident vs. Nonresident Student Status

All students attending Texas A&M University-Kingsville who are nonresidents of Texas will be charged additional tuition in accordance with state law. The responsibility of registering under the proper residence is placed upon the student. If there is any possible question of the right to legal residence in Texas under state law and university rules, the student must raise the question with the Office of Admissions 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 fee at the beginning of each semester or term for which they register. An 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 or the Office of Admissions. Additional information concerning tuition rates can be found in Texas Education Chapter 54 Tuition and Fees.

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-KINGSVILLE
2017-2018 FALL/SPRING TEXAS RESIDENT FEES
APPROVED BY BOARD OF REGENTS
GRADUATE

Hours	Tuition	Graduate Differential	Designated Tuition	Student Service Fee	Athletic Fee	Hospital Fee	Student Center Fee	Rec Sports Fee	University Services Fee	Total
1	120.00	27.00	102.36	16.94	20.00	57.00	80.00	150.00	131.00	704.30
2	120.00	54.00	204.72	33.88	40.00	57.00	80.00	150.00	171.00	910.60
3	150.00	81.00	307.08	50.82	60.00	57.00	80.00	150.00	211.00	1,146.90
4	200.00	108.00	409.44	67.76	80.00	57.00	80.00	150.00	251.00	1,403.20
5	250.00	135.00	511.80	84.70	100.00	57.00	80.00	150.00	291.00	1,659.50
6	300.00	162.00	614.16	101.64	120.00	57.00	80.00	150.00	331.00	1,915.80
7	350.00	189.00	716.52	118.58	140.00	57.00	80.00	150.00	371.00	2,172.10
8	400.00	216.00	818.88	135.52	160.00	57.00	80.00	150.00	411.00	2,428.40
9	450.00	243.00	921.24	152.46	180.00	57.00	80.00	150.00	451.00	2,684.70
10	500.00	270.00	1,023.60	169.40	200.00	57.00	80.00	150.00	491.00	2,941.00
11	550.00	297.00	1,125.96	186.34	220.00	57.00	80.00	150.00	531.00	3,197.30
12	600.00	324.00	1,433.04	203.28	240.00	57.00	80.00	150.00	571.00	3,658.32
13	650.00	351.00	1,433.04	220.22	260.00	57.00	80.00	150.00	611.00	3,812.26
14	700.00	378.00	1,433.04	237.16	260.00	57.00	80.00	150.00	651.00	3,946.20
15	750.00	405.00	1,433.04	250.00	260.00	57.00	80.00	150.00	691.00	4,076.04
16	800.00	432.00	1,433.04	250.00	260.00	57.00	80.00	150.00	731.00	4,193.04
17	850.00	459.00	1,433.04	250.00	260.00	57.00	80.00	150.00	771.00	4,310.04
18	900.00	489.00	1,433.04	250.00	260.00	57.00	80.00	150.00	811.00	4,427.04
19	950.00	513.00	1,433.04	250.00	260.00	57.00	80.00	150.00	851.00	4,544.04
20	1,000.00	540.00	1,433.04	250.00	260.00	57.00	80.00	150.00	891.00	4,661.04

Add \$50.00 tuition & \$35 University Services Fee for each hour over 20.

All other fees remain the same

MINIMUM TUITION: \$120.00

Non-refundable Fees: Late Registration Fee, Late Payment Fee, Reinstatement Fee, and Deferred Payment Plan Processing Fee.

Total does not include Lab fees that vary per course

TEXAS A&M UNIVERSITY-KINGSVILLE
2017-2018 FALL/SPRING NON-RESIDENT – U.S. & FOREIGN FEES
APPROVED BY BOARD OF REGENTS
GRADUATE

Hours	Tuition	Graduate Differential	Designated Tuition	Student Service Fee	Athletic Fee	Hospital Fee	Student Center Fee	Rec Sports Fee	University Services Fee	Total
1	465.00	27.00	102.36	16.94	20.00	57.00	80.00	150.00	131.00	1,042.30
2	930.00	54.00	204.72	33.88	40.00	57.00	80.00	150.00	171.00	1,720.60
3	1,395.00	81.00	307.08	50.82	60.00	57.00	80.00	150.00	211.00	2,391.90
4	1,860.00	108.00	409.44	67.76	80.00	57.00	80.00	150.00	251.00	3,063.20
5	2,325.00	135.00	511.80	84.70	100.00	57.00	80.00	150.00	291.00	3,734.50
6	2,790.00	162.00	614.16	101.64	120.00	57.00	80.00	150.00	331.00	4,405.80
7	3,255.00	189.00	716.52	118.58	140.00	57.00	80.00	150.00	371.00	5,077.10
8	3,720.00	216.00	818.88	135.52	160.00	57.00	80.00	150.00	411.00	5,748.40
9	4,185.00	243.00	921.24	152.46	180.00	57.00	80.00	150.00	451.00	6,419.70
10	4,650.00	270.00	1,023.60	169.40	200.00	57.00	80.00	150.00	491.00	7,091.00
11	5,115.00	297.00	1,125.96	186.34	220.00	57.00	80.00	150.00	531.00	7,762.30
12	5,580.00	324.00	1,433.04	203.28	240.00	57.00	80.00	150.00	571.00	8,638.32
13	6,045.00	351.00	1,433.04	220.22	260.00	57.00	80.00	150.00	611.00	9,207.26
14	6,510.00	378.00	1,433.04	237.16	260.00	57.00	80.00	150.00	651.00	9,756.20
15	6,975.00	405.00	1,433.04	250.00	260.00	57.00	80.00	150.00	691.00	10,301.04
16	7,440.00	432.00	1,433.04	250.00	260.00	57.00	80.00	150.00	731.00	10,833.04
17	7,905.00	459.00	1,433.04	250.00	260.00	57.00	80.00	150.00	771.00	11,365.04
18	8,370.00	489.00	1,433.04	250.00	260.00	57.00	80.00	150.00	811.00	11,897.04
19	8,835.00	513.00	1,433.04	250.00	260.00	57.00	80.00	150.00	851.00	12,429.04
20	9,300.00	540.00	1,433.04	250.00	260.00	57.00	80.00	150.00	891.00	12,961.04

Add \$465.00 tuition & \$40 University Service Fee for each hour over 20.

All other fees remain the same.

MINIMUM TUITION: \$465.00

Non-refundable Fees: Late Registration Fee, Late Payment Fee, Reinstatement Fee, and Deferred Payment Plan Processing Fee.

Total does not include Lab fees that vary per course

MANDATORY FEES

(All fees are payable at registration.)

Student Service Fee

A service fee of \$16.94 per semester credit hour (\$250 maximum) is charged to all students attending the university. This fee is used to support student activities such as the Student Government Association, student musical organizations, *The South Texan*, the New Student Orientation and numerous other student activities

Athletic Fee

An athletic fee of \$20 per semester credit hour (\$260 maximum) is charged to all students attending the university. Students are entitled to free admission to all varsity and recreational sports, athletic contests and other special activities.

Hospital Fee

A flat fee charged at the rate of \$57 per semester. Funds are used to support the Student Health Center, supplies and all operational needs of that center.

Student Center Fee

A flat fee charged at the rate of \$80 per semester. Funds are used to support special activities for the students. In addition, a portion has been used for the renovation of the Memorial Student Union.

Rec Sports Fee

This is a flat fee that is charged at \$135 per semester. Funds will be used to maintain and operate recreational sports facilities and programs.

University Services Fee

Created to consolidate previously separated fees and used to support the following areas:

Computer Use – Used to support information technology infrastructure including purchasing computers to maintain student labs on campus and to create new facilities for students.

Library Access – Used to fund the electronic network and the maintenance of the library.

Instructional Enhancement – Used to provide additional learning materials that will enhance the educational value for the student.

International Education – Used to support cultural diversity within the student body and to enhance student knowledge of other countries through international study and scholarships.

Transcripts – Used to pay the cost of printing transcripts upon request for current and former students as well as to enhance our ability to serve our students' needs through the electronic transcript process.

ID Cards – Used to support the new student IDs and the cost of operation.

Graduation – Used to offset the costs associated with the commencement ceremony, diplomas, diploma covers and conducting the commencement ceremonies held each May, August and December.

Environmental Service – Used to provide environmental improvements at the institution through services related to recycling, energy efficiency, renewable energy, transportation, employment, product purchasing, planning and maintenance or irrigation.

Transportation and Safety – Used to provide unlimited free access to all students to the on-campus and off-campus services, expanded service and for the operating expenses of the transportation facilities on campus.

Advising – Used to support advising, mentoring and academic support for students.

MISCELLANEOUS FEES

Laboratory Fee

For each laboratory course a fee of \$2 to \$30 is charged depending upon cost of materials used in the course.

Kinesiology Fee

For each kinesiology service course, EDKN 1102 through EDKN 1249, the student will be charged a special fee of \$4 for towel service. In specified courses, an additional fee may be charged.

Applied Music Fees

For personal lessons on keyboard, wind, string or percussion instrument or voice lessons, a fee of \$75 per semester credit hour is charged.

Music Fees

Marching Band members for two uniform cleanings\$25 Fall semester

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.

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. All student vehicles operated on the university campus must be registered within one week after classes begin. No refunds will be issued after one week from the date classes begin. 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.

Other Fees

Reinstatement Fee.....	\$100
Late Registration Fee.....	\$35
Late Payment Fee.....	\$35
Graduate (domestic) Application Fee	\$35
International Application Fee	\$50
R.O.T.C. Special Service Fee, Per Semester	\$5

Fines and Breakage 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, he/she is authorized a refund of tuition and fees based on the date of the withdrawal and the number of weeks of the enrolled semester/term/session. The refund policy is based on legislative law found under the Texas Education Code, Chapter 54, Article 54.006. The code outlines the following refund policy:

All Semesters/Terms/Sessions

Prior to the 1st Class Day, the refund percentage – 100%

Semesters/terms of 10-weeks or Longer (i.e., Fall/Spring Semesters; 10-week Summer Term)

- a. 1st, 2nd, 3rd, 4th and 5th class day, the refund percentage - 80%
- b. 6th, 7th, 8th, 9th and 10th class day, the refund percentage - 70%
- c. 11th, 12th, 13th, 14th and 15th class day, the refund percentage - 50%
- d. 16th, 17th, 18th, 19th and 20th class day, the refund percentage - 25%
- e. after the 20th class day, the refund percentage – 0%

Terms/Sessions of More Than 5-weeks but Less Than 10-weeks (i.e., 8-week Session During Fall/Spring Semesters)

- a. 1st, 2nd and 3rd class day, the refund percentage - 80%
- b. 4th, 5th and 6th class day, the refund percentage - 50%
- c. after the 6th class day, the refund percentage – 0%

Terms/Sessions of 5 weeks or Less (i.e., Fall/Spring or Summer Intersessions; 5-week Summer Session)

- a. 1st class day, the refund percentage - 80%
- b. 2nd class day, the refund percentage - 50%
- c. after the 2nd class day, the refund percentage – 0%

The “first class day” is determined by the beginning of a semester, summer session or intersession. 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 wholly returned to the student only if he/she did not receive financial assistance from Federal Title IV programs. A Return to Title IV calculation must be performed to determine if the student is eligible to retain any of the Federal funds received. [Return of Title IV Funds Webpage](#)

Refund Policies

The following policies are used for refunds:

- a. Refunds are mailed according to published schedules from the Business Office. All refunds are processed through the BankMobile with the exception of students with State Holds, as mandated by the Texas Comptroller's Office. The BankMobile carding process will be initiated 1 business day after initial course enrollment and mailed to the most current US mailing address provided by the student. Cards cannot be mailed to an international address.

- b. Financial aid residual balances may be directly deposited into an appropriate bank account as specified by the student on the BankMobile website.
- c. Any financial obligations owed the university will be deducted from the refund before the balance is issued to the student.
- d. 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.
- e. Fees paid for correspondence and/or extension courses will not be refunded after the student receives the lesson outline in correspondence courses or after the first meeting of the extension center course.
- f. No refunds will be made on visitors' fees.

STUDENT FINANCIAL AID PROGRAMS

Arnold Trejo, *Executive Director*

Memorial Student Union 132. MSC 115. Extension 3911.

The Office of Student Financial Aid assists students in obtaining financial help through a variety of federal, state, institutional, 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.

Applicant Eligibility – Federal Title IV

To be considered for financial aid, an applicant must:

- Be a citizen or permanent resident of the United States.
- Have completed the Free Application for Federal Student Aid (FAFSA) by the appropriate deadline.
- Be enrolled at least half-time.
- Not be in default on a student loan.
- Not owe a refund on a federal grant.
- Demonstrate financial need.
- Students must re-apply for financial assistance every year by completing the requirements stated above. The award does not continue automatically beyond the award period.
- Meet the requirements of the Satisfactory Academic Progress Policy.

Federal regulations require a student to be making satisfactory progress toward the completion of a degree or certificate in order to be eligible to receive Title IV funds. The Office of Student Financial Aid Services applies this rule to ALL students applying for any aid. Students should review the Satisfactory Academic Progress Requirements.

FINANCIAL AID AND SCHOLARSHIP APPLICATION DEADLINES AND PROCESSES

Time is a very critical part when applying for financial aid. The following are the institutional priority deadlines for Texas A&M University-Kingsville:

Fall/Spring – March 15

Spring only - November 1

Summer Sessions – May 1

Application Process

1. A student must be admitted into a degree-seeking program to be eligible for financial aid. An application for admission to Texas A&M University-Kingsville can be completed on line at: [ApplyTexas Webpage](#).
2. Create a FSA ID (user name and password) online at [FAFSA Website](#). Your FSA ID will allow you to access and sign your Free Application for Federal Student Aid (FAFSA). For more information on setting up your FSA ID, please see the following [link](#).
3. Complete the Free Application for Federal Student Aid (FAFSA). Students must list Texas A&M University-Kingsville as one of the college/university choices on the FAFSA to be considered for financial aid at this university. Our School Code is 003639. Completion of the FAFSA requires certain financial information including the student's and/or parent's income tax return. Those who do not file a tax return must use proper income or benefit sources to complete it. These include child support and other untaxed income or benefits. It is recommended that the FAFSA be completed on the web at <http://www.fafsa.ed.gov>.

4. The Processing Center will return an acknowledgment to the student that a Student Aid Report (SAR) has been produced and is ready for review. This acknowledgment should be kept for personal records.
5. The Office of Student Financial Aid will retrieve an electronic version of the Student Aid Report. If a student is selected for verification, he/she will need to submit an Institutional Verification Form along with a copy of his/her and his/her parents' U.S. Income Tax Return and W-2 forms, and any other documents used to complete the FAFSA.

Financial Aid Process

1. Once the application process is completed, the Office of Student Financial Aid Services will prepare a financial aid package to help meet the student's financial need. The amount of the financial aid awarded is dependent on the student's enrollment status. The aid award will be disbursed each semester.
2. The school will first use the aid to pay tuition and fee charges and room and board. Any remainder will be disbursed to the student either through direct deposit to the student's bank account, (if the student has signed up for direct deposit) or, if not, a paper check will be mailed to the student.
3. Funds from grants and scholarships will be readily available, but loans require additional steps to be completed at Studentloans.gov.
4. Work-study is awarded to those students who meet the priority deadline, but the individual student must find a position in order to receive the funds. Work-study funds are disbursed as they are earned.
5. It is the responsibility of the student to have other resources available should the financial assistance not cover the total educational expenses.

General Information

Applicants must be accepted for admission, pre-registered for classes and have all financial aid documents completed and on file before financial aid funds can be disbursed.

Students must reapply each year for financial aid and scholarships. Applicants must maintain satisfactory academic progress to be eligible for financial aid. Students must complete a separate Summer Application to be considered for summer financial aid.

Awards are subject to revision based on academic or enrollment status.

For more information, please contact the Office of Student Financial Aid Services at (361) 593-3911; Office of Student Financial Aid, MSC 115, Kingsville, Texas 78363, email: financial.aid@tamuk.edu; Webpage: [Financial Aid](#)

SATISFACTORY ACADEMIC PROGRESS POLICY

To receive funds administered by the Office of Student Financial Aid (OSFA) at Texas A&M University-Kingsville (TAMUK), students must be making measurable academic progress toward completion of an eligible degree program. Accordingly, the following Satisfactory Academic Progress (SAP) Policy for students who receive financial aid is in place. These standards require that a student make academic progress during all periods of enrollment, including periods when a student did not receive financial aid. TAMUK will be **consistent in applying the SAP policies to full & part time, independent and dependent students.**

Students enrolling at TAMUK for the first time (including transfers) are initially considered to be meeting SAP. The measurement of academic progress will be made at the conclusion of the first enrollment term and will include all acceptable transfer credits that the TAMUK academic record contains.

Minimum Financial Aid Satisfactory Academic Progress Standards

- Maintain required cumulative Grade Point Average (GPA) based on the matrix below, or higher (a qualitative measure) **and**

Student Type	Required Cumulative GPA
Graduate Student	3.0 GPA for all coursework completed at TAMUK
Doctoral Students	3.0 GPA for all coursework completed at TAMUK

- Successfully complete at least 67% of the cumulative attempted credit hours (a quantitative measure) **and**
- Make positive progress toward a program of study **within** 150 percent of the average published program length (credits needed to earn a degree).

Financial Aid Eligibility Statuses

- **Eligible** – Student is meeting the minimum academic standards or has no academic history. Fully **Eligible** for financial aid.
- **Warning** – Student did not meet minimum standards for cumulative GPA and/or 67% completion rate in the previous evaluation period. Student is still **Eligible** for financial aid, but must reach all minimum standards by the end of the next evaluation period to maintain eligibility.
- **Ineligible** – Student has failed to meet minimum standards for cumulative GPA and/or 67% completion rate SAP at the end of the evaluation period. Student is Ineligible for financial aid.
- **Timeframe** – Graduate and Doctoral students must earn their degree within 150% of the timelines set by the Graduate or Doctoral School per their program. If a student exceeds these credit hour limits, they are **not** making progress toward a degree within the 150% federal requirement. Student is **Ineligible** for financial aid.

How is the 67% completion rate calculated? The calculation is made as follows: earned credit hours divided by attempted credit hours = completion rate (result will be rounded to closest whole number).

Successful completion of a class is defined as earning a grade of A, B, C, D, or Pass (plus and minus grades may be attached to letter grades) and will be used to determine cumulative GPA, Completion Rate and Timeframe.

Non-Passing Grades: Unsuccessful grades of E, F, W, WD, WF, WP, NG, X or I will be used in determining completion rate and timeframe. Letter grades of E and F are used toward the completion rate and cumulative GPA. Courses with grades of S are included as both hours attempted and earned but will not factor into the GPA. **In the case of X and I grades, students are responsible for notifying the OSFA if these grades changes so that SAP can be recalculated.**

Withdrawals: All institutional withdrawals are factored into the completion rate and the maximum timeframe.

When is Academic Progress Evaluated? A student’s satisfactory academic progress will be evaluated at the end of each semester (Fall, Spring and Summer). Students will not be eligible for federal funding during this time if in an **ineligible** SAP status.

New Financial Aid Students with prior academic history: TAMUK students with prior academic history will be evaluated at the time they apply for financial aid. They will receive one of three financial aid statuses.

- **Eligible** – Student is meeting the minimum academic standards or has no academic history. Fully **Eligible** for financial aid.
- **Warning** – Student is below minimum standards in his/her previous academic history. Student is still **Eligible** for financial aid, but must reach the minimum standards at the end of the next evaluation period to maintain eligibility.
- **Timeframe** – Graduate and Doctoral students must earn their degree within 150% of the timelines set by the Graduate or Doctoral School per their program. If a student exceeds these credit hour limits, they are

not making progress toward a degree within the 150% federal requirement. Student is **Ineligible** for financial aid.

Transfer Students and Transfer credit hours: Students transferring to TAMUK are required to have all prior college transcripts evaluated for transfer credits. All credit hours accepted by TAMUK will be used to determine 67% completion rate and maximum timeframe of 150%.

Repeat Courses: Students repeating courses, for the first time only can receive aid for that repeated course. All repeat courses will be used in determining completion rate and timeframe. Actual letter grades are included in the cumulative GPA.

Audited Credit Hours: Courses taken on an audit basis are not counted when determining the completion percentage or for purposes of determining your cumulative GPA.

Second Degree/Double Majors: Undergraduate students seeking second degrees and students with double majors are monitored like any other students under this policy. If the OSFA determines that the student will exceed maximum timeframe or when the students exceed the maximum timeframe allowed for their respective programs, the student will not be eligible for additional aid. Students can appeal for additional time as outlined below.

Likewise, when determining eligibility for graduate and doctoral students who complete one graduate degree program at TAMUK and begin another graduate degree program, hours from the prior degree are calculated toward maximum time frame. If the OSFA determines that the student will exceed maximum timeframe or when the students exceed the maximum timeframe allowed for their respective programs, the student will not be eligible for additional aid. Students can appeal for additional time as outlined below. If the appeal is approved, the hours from the prior graduate degree will be removed from the maximum timeframe calculation.

How to Re-establish Eligibility?

- A student must bring his/her GPA and completion rate up to the minimum standards of the required cumulative GPA, and 67% completion rate. A student will be **Ineligible** for financial aid and cannot be reimbursed during this time.
- Mitigating Circumstances: If a student has experienced mitigating circumstances (illness, family illness, change of major) during the most recent evaluation period, they may submit an Appeal to reinstate financial aid eligibility. A deadline for appeal submission will be published each semester. Appeals received after the deadline will not be reviewed until the next semester.

The student must explain, in the appeal, what has changed that will now allow them to meet the SAP requirements. The student must also submit supporting documentation with the appeal. The following may be considered acceptable documentation to support reason for appeal:

- Statement from physician or health professional reflecting condition, dates of occurrence, treatment and resolution
- Copy of death certificate, obituary or statement from physician
- Other documentation that support circumstances and resolution

Appeals that are incomplete, and/or lack supporting documentation are not reviewed and the student is notified. If the request is granted, the student will be placed on one of two Financial Aid Eligibility Statuses:

- **Probation** – The student is expected to improve to minimum standards by the end of the next evaluation period. The student is Eligible for financial aid, but must meet minimum standards by the next evaluation period. A student cannot be on probation for two consecutive semesters.
- **Academic Plan** – The student cannot be expected to improve to minimum standards by the next evaluation period. The student and TAMUK have agreed to an academic plan to allow the student to meet minimum standards within a fixed number of evaluation periods. The student is fully **Eligible** for financial aid as long as they are strictly following the academic plan. If at any time the student stops following the plan and they

are not meeting minimum standards they will become **Ineligible** for financial aid. If a student meets minimum standards at any time while on an academic plan their Financial Aid Eligibility Status will be updated to **Eligible**.

If the request is not granted, the student will remain **Ineligible** for financial aid until they meet all minimum standards.

- **Timeframe Mitigating Circumstances:** If a student has not completed their program of study within the 150% timeframe and there are mitigating circumstances (illness, job related, family illness, change of major), they may submit an Appeal to reinstate financial aid eligibility. If this application is granted, the student will be placed on the following Academic Eligibility Status:
- **Timeframe Academic Plan** – The student and TAMUK have agreed to an academic plan. The student is fully Eligible for financial aid, as long as they are strictly following the success plan. If at any time the student stops following the academic plan, they will become **Permanently Ineligible** for financial aid.

If the request is not granted, the student will be **Ineligible** for financial aid. All students are limited to one Timeframe Academic Plan.

- All appeals are reviewed by the Financial Aid Appeals Committee. All committee decisions are final.

Availability of SAP Policy: The SAP policy is available to students on the OSFA website. Office staff may also print copies of the policy in the office if a request is made. The policy is updated as needed or whenever changes in federal regulations occur.

STUDENTS WILL BE NOTIFIED BY EMAIL, OF THEIR SAP STATUS, AT THE END OF EACH SEMESTER.

INSTITUTIONAL GRANTS

General requirements for grant programs stipulate that the student must be in good standing (a 3.0 overall grade point average), must be maintaining satisfactory academic progress, must not be in default on any loan made from a student loan fund at any institution and must not owe a refund on any grant previously received.

These grants may be awarded to graduate students who meet the priority deadlines, complete a Free Application for Federal Student Aid (FAFSA) every year and demonstrate financial need.

Resident Public Educational Incentive Grant (RPEG)

This grant is available to Texas residents. Grant awards range from \$400 to \$2000 per academic year.

Non-resident Public Educational Incentive Grant (NPEG)

This grant is available to students who are not considered Texas residents. Grant awards range from \$400 to \$2000 per academic year.

Graduate Tuition Grant

The Graduate Tuition Grant is awarded to resident graduate students who meet the priority deadlines, complete a Free Application for Federal Student Aid (FAFSA) every year and demonstrate financial need. The maximum award is \$3000 per year.

LOANS

General Requirements

The Office of Student Financial Aid administers a number of loan programs for students whose needs cannot be fulfilled in any other manner. The university participates in several low-interest, long-term loans sponsored by the federal and state governments. Applicants for all loans must complete the Free Application for Federal Student Aid (FAFSA) as part of the application process. Instructions for completing and submitting the FAFSA are included with

the form. The loans are administered in adherence with accepted business practices in an effort to provide borrowers with an educational experience in personal finances as well as to ensure the continuance of existing loan funds through prompt repayment. Loan funds administered by the university vary somewhat in qualifications required, amounts that may be borrowed and terms of repayment. Specific details concerning each loan fund, including the rights and responsibilities of a borrower and the repayment schedule, may be obtained from the Office of Student Financial Aid.

The personnel in the Office of Student Financial Aid are available as financial advisors to **all** students whether or not they are qualified to borrow from one of the university's student loan funds. Through interviews and realistic examination of expenses and income, students often discover that borrowing is only one of the possible solutions to financial problems.

General requirements stipulate that the student must be accepted for enrollment or, if a continuing student, must be maintaining satisfactory academic progress, must not be in default on any loan made from a student loan fund at any institution, must not owe a refund on any grant previously received and **must** complete a Loan Entrance Counseling session before receiving the first disbursement and **must** complete a Loan Exit Counseling session whenever the student's enrollment status falls below half-time, the student withdraws, or graduates from the university. Loan funds will not be disbursed until a student is registered for at least half-time status. Late registration will result in delayed financial aid disbursement.

Federal Direct Student Loan Program (Unsubsidized)

The Federal Direct Loan is designed to assist students who are maintaining Satisfactory Academic Progress toward a degree. In order to receive a Federal Direct Student loan, a FASFA must be completed as part of the application process. A student must be enrolled at least half-time and demonstrate financial need as determined by the information on the FASFA in order to receive a student loan.

Unsubsidized loans are when the student is responsible for paying the interest for the duration of his or her college career. The student also has the option to have the interest capitalized or added on to the total amount of the loan. Federal Direct Loans are a major form of self-help aid. The payments on the Federal Direct loans must be started six months after you graduate, leave school or drop below half-time enrollment.

A student must be enrolled at least half-time and demonstrate financial need as determined by the information on the FAFSA in order to receive a student loan.

The amount that a graduate student can borrow under the Federal Direct Student Loan Program is stated below:

Year	Max. (unsubsidized)
For any year of study	\$20,500 **
Graduate and professional students	\$138,500 – no more than \$65,500 of this amount may be subsidized

**As long as the student does not exceed his/her cost of attendance.

The total amount of debt that the student can have from all Stafford loans combined is \$138,500 as a graduate or professional student (no more than \$65,000 of this amount may be subsidized loans). The graduate debt limit includes any Stafford loan received as an undergraduate.

If the student is a first-time borrower at Texas A&M University-Kingsville, he/she will have to participate in a Pre-loan Counseling Session offered by the Office of Student Financial Aid Services. For more information on **Pre-loan Counseling Sessions** go to Studentloans.gov

The payments on the loans will start after the student has graduated, leaves school or has dropped below half-time. The student has a six-month grace period before he/she begin to repay the loans. When a student leaves school or drops below half-time, enrollment notification will be sent as to when repayment of loans are due to begin. However, the student is responsible for beginning repayments even if he/she does not receive this information. Also, if a student withdraws or falls below half-time enrollment, the student will need to complete Loan Exit Counseling at Studentloans.gov. This also applies to graduating students.

RETURN OF FEDERAL TITLE IV FUNDS

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.

If it is determined that funds must be returned to Title IV programs, funds will be returned in the following order: Unsubsidized Loan, Subsidized Loan, Perkins Loan, PLUS Loan, Pell Grant, ACG Grant, SMART Grant and FSEOG 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.

Federal Policy Regarding “Unofficial Withdrawals

The Federal Regulations GEN 0403 provides guidance on the application of Return to Title IV aid requirements. This 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 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-Kingsville to formally document the attendance of students who receive 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.

**** Please note that information in the preceding section on Financial Aid is subject to change. For current information, please refer to the [Financial Aid Webpage](#).**

ACADEMIC REGULATIONS

Students should review the earlier section of the catalog entitled "Academic Regulations" for rules which apply for all programs, graduate and undergraduate. Academic regulations that apply specifically to graduate students are listed below.

Degree Plans

The student must file a signed initial degree plan with the department, through the graduate coordinator/adviser, on or before or during the second semester of graduate course work. A hold may be placed on a student who does not submit their initial degree plan. A final degree plan must be submitted when the student files for candidacy. A copy of the signed final degree plan with any revisions must also be forwarded to the graduate dean at the time of candidacy.

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 faculty 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. For specific dates and information on registration, the student should consult 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 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 hours (five academic courses) during the fall or spring semester or 6 hours (two academic courses) each summer term. No graduate student may enroll in more than 12 credit hours during the Summer term (Summer I, Summer II, Summer 10 Week sessions combined).

A graduate student taking 9 hours of course work during long semesters will be classified as a full-time student, for academic purposes. If a student finishes all required course work and is only registered for 3 credits of research project, thesis or dissertation, the student may be considered full-time. For financial aid purposes, a student may maintain full-time status by registering for additional graduate courses as needed. Please visit a financial aid officer for financial aid questions.

Credit by Examination

Credit by examination for graduate courses may be available to students for organized graduate courses. The graduate student should contact the department in which the course is offered for information about the examinations. Eligibility will be determined by the department and will be dependent on a student's particular qualifications due to study or work experience. Through a documented evaluation, the department will determine that enough knowledge has been gained in all topics covered by the organized graduate course and whether any further requirements for credit are to be met. The department recommendation and evaluation documents will be sent to the graduate college for final approval. Students may not receive credit by local examination for more than 9 credits hours in any graduate degree without written approval of the Graduate Dean. Students must be currently enrolled in a degree program and be in good academic standing. There is no fee charged for these examinations.

Schedule Changes

Dropping a Course

A course may be dropped by a student without approval from his/her academic adviser or other university official. However, athletes must have approval from the athletic adviser to insure eligibility requirements. 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 on-line 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 on-line 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 midsemester point, the student will receive an automatic grade of *Q* in each course. If the withdrawal is after the midsemester 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 (*Auditing a Course*)

Any person may request permission of the Office 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; 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; freedom from ridicule, discrimination, harassment or accusations in the presence of other students or faculty members; and 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. Depending on the severity of the case, it may also lead to expulsion. 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 dean of the

college 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.

Class Attendance

A vital part of every student's education is regular attendance of class meetings. Every faculty member is encouraged 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 Holy Days

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 before or after the absence. The student should notify each faculty member of this proposed absence as early in the semester as possible. The instructor may appropriately respond if a student fails to complete the assignment or examination within a reasonable time after the absence.

"Dead Week and Study Day"

To support the learning environment, the university will adhere to a four school day period of student study before the first scheduled final examinations each term. During this time, no required quizzes, tests or examinations (except for make-up tests) shall be administered. The latter does not preclude the introduction of new material in class or the administering of laboratory final examinations, nor does it create any implication that class attendance is not expected during this period. The day before final examinations are scheduled to begin will be designated as a study day. No classes will be held on this day to allow preparation time for students and faculty. Scheduling of other university events or functions that involve students is discouraged and should be limited during this period.

Research on Human Subjects

Research that involves human subjects must be approved by the Institutional Review Board for the Protection of Human Subjects. Training in the use of human subjects in research is available through the Collaborative Institutional Training Initiative (CITI) and the National Institute of Health (NIH). Training is mandatory, either through CITI or NIH. Visit the Office of Research and Sponsored Programs' website for further information: <http://www.tamuk.edu/osr>.

Research on Animals

Research that involves animal subjects must be approved by the Institutional Animal Care and Use Committee (IACUC). An initial protocol must be reviewed and approved prior to the initiation of animal use.

Research on Recombinant DNA

Research that involves recombinant DNA, infectious agents, biotoxins or select agents, human tissue, blood, body fluids, animal use that result in exposure to infectious agents must be approved prior to initiation by the Institutional Biosafety Committee (IBC).

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 the approved degree plan for the graduate program or graduate certificate. 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.

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. (May not apply towards a graduate degree in some programs.)
<i>D</i>	Passing, 60-69. (Does not apply towards a graduate degree.)
<i>F</i>	Failure, below 60. (Does not apply towards a graduate degree.)
<i>I</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>I</i> has been assigned. The grade of <i>I</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>I</i> reverts to a grade of <i>F</i> one year from the close of semester/term in which the grade was originally recorded if the course requirements have not been satisfied. Not valid for Research/Project/Thesis/Dissertation courses.
<i>Q</i>	Dropped: given when a student has officially dropped or withdrawn from the university before or on the midsemester point as indicated on the official university calendar, regardless of student's standing in class. Also given after the midsemester 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 <i>F</i> under such circumstances.)
<i>S</i>	Satisfactory: used to report research project, thesis and dissertation progress in master's and doctoral programs. Satisfactory progress but not yet completed the proposal or final defense.
<i>U</i>	Unsatisfactory: used to report research project, thesis and dissertation progress in master's and doctoral programs.
<i>X</i>	No grade posted by instructor: used to indicate that no grade was posted by the instructor teaching the course.
<i>CR/NC</i>	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.

The instructor may assign an (*S/U*) grade if the student (does/does not) make satisfactory progress. An instructor must assign a letter grade (*A, B, C, D, F*) when a student completes the research project, thesis proposal, thesis final defense, dissertation proposal and dissertation final defense on or before the published deadlines.

Student must continuously register for research project/thesis/dissertation classes until the final graduate requirements are completed.

Satisfactory (*S*)/Unsatisfactory (*U*)

If a student does not complete his/her dissertation, thesis or project during a given semester or term, and he/she is making satisfactory progress in that semester or term, the notation SATISFACTORY (*S*) OR UNSATISFACTORY (*U*) is given as a grade. An *S* or *U* notation in the research project, thesis or dissertation courses remain *indefinitely* as *S* or *U* on the student's transcript should the student's committee approve the student for a nonthesis degree program at some later date, or should the student not complete the degree. The *S* or *U* 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 of the discrepancy. 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 your 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 graduate dean. The student will be screened by the graduate dean in consultation with the graduate coordinator and program adviser 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 dean, 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.

THE STUDENT'S PERMANENT RECORD

Transcripts

Official transcripts of the student's academic record may be requested in writing or in person from the Office of the Registrar at no cost. The student should list the complete name as recorded while attending the university, social security number, date of birth, first and last enrollment, number of transcripts requesting and the address where the transcript(s) are to be mailed. 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.

Hold

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 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 academic dean, closes all student records and codes the student information system to block mailings to the deceased.

UNIVERSITY SUPPORT SYSTEMS

A university consists of more than classrooms. In addition to teaching, faculty members are engaged in research, publication, professional growth and development activities, university service and advisement. Students grow through participation in the extracurricular activities the university sponsors. The following sections offer some indication of campus life at Texas A&M University-Kingsville. More detail can be found in the *Student Handbook* and the *Faculty Handbook*.

This survey omits a number of very important components of the university whose work, nevertheless, contributes to campus comfort and the smooth functioning of university operations including such divisions as accounting, bursar, development, facilities management, human resources, payroll, physical plant, procurement and general services, among others.

CAMPUS GOVERNING BODIES

The Student Government Association is the highest governing body for students at Texas A&M University-Kingsville. It makes recommendations to the university administration for improving student life. The student government is composed of the executive, legislative and judicial branches. The student body elects the President, Vice-President and the Senators during a general student election held each spring. The Dean of Students or his/her designee advises the SGA.

The Faculty Senate, established by the Constitution of the General Faculty, is a body of faculty members elected from the undergraduate college and the library. The Faculty Senate is an advisory body to the President regarding education policies and noncurriculum matter to the university.

In 1990, the Staff Council was created to address the various specific concerns of four groups of personnel: secretarial-clerical, nonfaculty professional, and technical. Consisting of 24 members elected for two-year terms, the council provides a means for this important group of campus employees to voice those concerns to the administration.

The Graduate Council shall be the body responsible for recommending policy standards, criteria, regulations and procedures for graduate study in accordance with policies of the Board of Directors, Texas A&M University-Kingsville, The Texas A&M University System and the Texas Higher Education Coordinating Board. It is the responsibility of the Graduate Council to review all proposals for graduate degree programs and courses and, at its option, existing programs; to establish and review the criteria for membership on the Graduate Faculty. Furthermore, the council is to establish the minimum admission standards, the standards for continuation of graduate students and the residency requirements; to act upon petitions and appeals from the decision of the Graduate Dean; to consider any other matters relevant to the College of Graduate Studies; and to authorize, recommend or instruct the Graduate Dean to take appropriate actions to effect the results of its decisions.

EXTRACURRICULAR ACTIVITIES

Although the focus of the university is intellectual, it also fosters the broad mental, physical and spiritual well-being of the campus community. To this end, a variety of non-academic programs are offered to enhance student learning and personal development.

Dean of Students

Kirsten Compary, *Assistant Vice President of Student Affairs & Dean of Students*
Memorial Student Union 306. MSC 122. Extension 3606.

The Associate Vice President and Dean of Students (DOS) exercises broad responsibility for the student services of the university. The 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 working with all academic colleges and departments as an advocate for students' rights. The Associate Vice President and Dean of Students assists the Vice President for Student Affairs in creating and implementing programs, services and activities which are consistent with the university's mission. The Associate

Vice President and Dean of Students oversees the Memorial Student Union, Student Leadership Development, Student Activities, New Student Orientation, the Student Government Association, the ID Center, the Post Office, student discipline, shuttle service and specific retention programs. In addition, the office has a liaison relationship with Sodexo on Campus Food Services and Barnes and Noble Javelina Bookstore. The Associate Vice President and Dean of Students also has oversight of certain councils and committees that are charged with providing cultural and enrichment programs to the University community.

Memorial Student Union

Crispin Trevino, *Director, Memorial Student Union and Student Activities*
Memorial Student Union 301. MSC 133. Extension 2769.

The Memorial Student Union (MSU) is the center of social life on the campus. It includes multiple dining areas, student lounges, the CueShack Game Room, two large ballrooms, meeting areas, ID Center and student related offices. The Memorial Student Union sponsors dances, games and tournaments, welcome and hospitality programs and campus food service. Recognized student organizations may schedule use of the facilities; there is no charge for normal use. Outside organizations must pay a fee. The Office of the Associate Vice President and Dean of Students is located in the Memorial Student Union, along with the Office of Student Activities, the Women's Center, Student Financial Aid Office, Barnes and Noble Javelina Bookstore, the Post Office, Student Government Association, Food Service and *The South Texan* student newspaper.

Student Activities

Crispin Trevino, *Director, Memorial Student Union and Student Activities*
Memorial Student Union 301. MSC 133. Extension 2769.

The Department of Student Activities serves as the resource hub for all student organizations. Student Activities provides many services to the Texas A&M University-Kingsville student organizations, such as registering organizations, producing directories, providing advising services and helping student groups with operational assistance. The department provides many cultural, educational, recreational and social programs for the campus community. Some examples are Homecoming, Family Day, Fall Carnival, Spring Fling and the Mr. and Miss Texas A&M University-Kingsville Scholarship Pageants. In addition to serving over 125 student organizations, Student Activities also provides a variety of specialized leadership programs such as the Women's Leadership Institute, Freshman Leadership Academy and the South Texas Leadership Institute. The department provides full-time support to Greek Life, Orientation Programs, the Javelina Mentor Program and the Campus Activities Board. The department also includes activities related to Recreational Sports and Community Services. Believing campus involvement is essential to student success, the Texas A&M University-Kingsville Department of Student Activities completes a student's education.

Orientation Programs

Assistant Director of Student Activities
SUB 301. MSC 133. Extension 4064.

Hoggie Days pre-orientation and registration programs are offered throughout the summer and provide the first step for all newly admitted students on their way to becoming Texas A&M University-Kingsville community members. Participation in a Hoggie Days session is a requirement for all new, first-time students with less than 30 credit hours.

Javelina Welcome, the University's official welcome week, begins the first week of fall semester classes. During this program, students will move into their residence halls, attend study skill seminars and information sessions, as well as participate in several campus activities and traditions. Families are welcomed to attend; participation by new students is required at some events.

The South Texan

The South Texan, a weekly newspaper, offers a means to bring student concerns to the academic community, to ascertain and express student opinion, to train future professional journalists, to publish official announcements and policies and to provide the campus with a general interest newspaper from the student perspective. The newspaper also has an online site (tamuk.edu/southtexan) that is updated daily with news and information about the university

and its surrounding community. The website features photos, video updates and a news and information program. Both the print and online editions are supervised by a student staff and led by an editor who is selected by the Student Publications/Media Committee. The editor must have taken basic journalism classes and have an overall grade point average of 2.5 or better. A paid staff, chosen by the editor with the advice and consent of the faculty adviser, is chiefly responsible for newspaper production. Volunteer help from throughout the student body is always welcome.

Department of Campus Recreation and Fitness

Charles Espinosa, *Director*

Student Recreation Center. MSC 208. Extension 3059.

Cheerleading

Javelina cheer team strives to promote spirit and traditions. The Cheer Team consists of co-ed cheerleaders and the Javelina mascot “Porky”. The team’s main focus is to build campus spirit, unity, pride and serve as role models for the university. The cheer team members primarily lead cheers at home football and home men’s and women’s basketball games. Cheerleading/Mascot Tryouts are held every spring semester.

Intramural Sports

Intramural Sports offers students, faculty and staff the opportunity to participate in their favorite sport on a competitive or recreational level in a wide variety of team sports and individual/dual sports. In a select number of sports, opportunities are available to compete at a regional and/or national level through extramural sport tournaments. Outdoor sports like flag football, soccer and softball are played on the department’s lighted outdoor Intramural natural turf fields. Sign-ups are held at the Member Services desk in the Student Recreation Center. Contact number (361) 593-3059.

Student Recreation Center: Recreation and Fitness

The \$9.6 million Student Recreation Center is located in the northwest side of campus near the Irma Lerma Rangel School of Pharmacy and Nolan Ryan Baseball Field. The Student Recreation Center (SRC) was completed in Spring 2010. The SRC is a 33,000 sq. ft. state-of-the-art facility which provides unlimited opportunities for TAMU-K students, faculty and staff to participate in open recreation, intramural sports and fitness programs throughout the year. The Fitness program offers personal training services and a large venue of Group X and Mind-Body classes for members. The SRC includes a 5,493 sq. ft. cardio/weight room, two full size multi-purpose gymnasiums, elevated indoor track (1/12 mile), an outdoor basketball court and men/women locker rooms. Membership to use the SRC is included in tuition for students. Faculty and staff have the opportunity to use the SRC on a paid membership basis.

Intercollegiate Athletics

D. Scott Gines, *Vice President for Intercollegiate Athletics and Campus Recreation*

McCulley Hall 112. MSC 202. Extension 2800.

Nationally ranked athletic teams for men and women are a tradition at the university. Athletic teams for women include volleyball, basketball, cross country, track and field, softball, golf and tennis. Athletic teams for men include football, basketball, baseball, cross country and track and field. Each enrolled student may attend all scheduled home athletic events free of charge with a validated Student I.D.

STUDENT SERVICES

The university provides a number of services for the university community. Many are free of charges.

Barnes and Noble Javelina Bookstore

Mary Garza-Gutierrez, *Manager*

Memorial Student Union. MSC 127. Extension 2601.

The Barnes and Noble Javelina Bookstore provides the campus community with new, used, rental and digital textbooks, other required course material, trade and reference books. We are also a source for office supplies, academically priced software, imprinted clothing and gift and academic regalia. We are more than just books. Simple, easy, convenient. Visit the bookstore at [TAMUK Bookstore Webpage](#) or on Facebook at www.facebook.com/TAMUKbookstore.

Career Services Center

Christian Ferris, *Director*

Eckhardt Hall 102. MSC 106. Extension 2217.

The mission of the Career Services Center is to provide assistance to students and alumni in career planning and securing employment, including developing, evaluating and effectively initiating and implementing career education and employment decisions and plans. The Career Services Center is designed to provide a diverse student population with a variety of information and assistance to achieve their professional goals. It is the aim of Career Services to provide a quality center that meets the needs of the students, alumni, employers, faculty and staff and to provide a superior level of service.

Students should register with Career Services in order to obtain assistance with their employment search. There are no charges for services. On-campus interviews, job-skills workshops, career fairs and "how-to" information are available through the center. The Cooperative Education/Internship Program provides students with an opportunity to gain work experience in their major field of study by alternating paid work periods with semesters of school. Summer internships are also available. The Off-Campus Part-time Employment Program provides students with job opportunities in the local community while attending school. Students who have not yet chosen a major may contact the center for career guidance and counseling about various occupations. An interactive computer guidance program is available to help students with self- assessment and career exploration.

A resource room complete with current employment trends, job search guides and interactive videos is available for student use. For more information, visit the Career Services Center home page at www.tamuk.edu/csc.

Javelina Express Card

Memorial Student Union 110. MSC 133. Extension 2243. [Javelina Express Webpage](#)

Texas A&M University-Kingsville requires an identification card (ID) for students, employees and dependents of students and employees. The Javelina Express card must be presented upon request. All ID cards are issued from the Javelina Express Card Office. The Javelina Express Card is your access to various locations on the Texas A&M University-Kingsville campus. Students use the card to access their meal plans, residence halls, receive services from the Health Center, the Jernigan Library, Business Office, Student Recreation Center, swimming pool and to gain access to activities and athletic events on campus free of charge. Faculty/staff and guest/dependents can use their Javelina Express Card to gain access to the university swimming pool, fitness center and other approved secured locations on-campus. Access to the Student Recreation Center is available by purchasing a membership.

Initial employee and student ID cards are free, with a replacement fee of \$10. Dependent IDs carry an initial charge of \$10 with a replacement cost of \$10.

Questions concerning the Javelina Express Card should be referred to the Javelina Express Card Center, or for more information visit the Javelina Express Card website at <http://www.tamuk.edu/javelinaexpress>.

Mail Service

Tammy Rivas, *Postal Supervisor*
MSC 100. Extension 2400.

The federal post office located in the Memorial Student Union provides complete postal service to all faculty, staff, students and general public. Services include selling stamps, money orders, self-stamped envelopes, renting post office boxes and mailing packages. Other services include express mail, priority, registered, certified, insured and delivery confirmation. Next to the federal post office is the campus post office, which is responsible for delivering and processing all departmental mail. Mail service is also provided to the residence halls. Service window hours are 8:30 a.m. to 4 p.m. Monday through Friday. Lobby hours are from 7 a.m. to 7 p.m., seven days a week.

Marketing and Communications

Cheryl Cain, *Associate Vice President for Marketing and Communications*
Adriana Garza-Flores, *Director*
College Hall 130. MSC 114. Extension 3901.

The Office of Marketing and Communications strengthens the university's reputation and brand through a comprehensive array of communications tools. To accomplish this mission, this office disseminates news of the university's programs and people to media outlets; university donors, alumni and friends; and other external groups. The office also develops and implements strategic marketing communications programs for the university, including recruitment materials. The office is responsible for the university's graphic standards and licensing program along with its social media presence.

Office of International Student & Scholar Services

Peter Li, *Director*
Cousins Hall, Front Desk. MSC 176. Extension 3317

The Office of International Student & Scholar Services (OISSS) provides specialized services for international students attending Texas A&M University-Kingsville, primarily F-1 and J-1 students. These services include assistance in matters dealing with the Department of Homeland Security, employment, academic status and other related issues.

I-20s, DS-2019s and SEVIS Reporting

The Office is responsible for the following: advising students on immigration issues; initial issuance and updates to form I-20s and DS-2019s; monitoring and verifying students' legal non-immigrant status in SEVIS; updating changes to students' non-immigration status in SEVIS; approving and granting extensions to students' legal non-immigrant status; assisting students by providing them with Social Security Letters, issuing support letter to State and Federal agencies verifying current student status; and communicating and reporting student activity to various federal agencies under the Department of Homeland Security (DHS), such as Customs and Border Protection (CBP), Immigrations and Customs Enforcement (ICE) and U.S. Citizenship and Immigrant Services (USCIS) when necessary.

Curricular Practical Training (CPT) and Optional Practical Training (OPT)

The Office processes and approves Curricular Practical Training (CPT) for currently enrolled F-1 students, and Optional Practical Training (OPT) employment requests from students who have graduated from the university. The office maintains SEVIS records for all F-1 students that have been authorized to work under Post-Completions OPT Employment for 12 months, as well as students who qualify for the 24-Month OPT STEM Extension. Texas A&M University- Kingsville graduates currently working under CPT and OPT Extension are required to report any updates in their current residential address, phone, e-mail address and employment activity to our office within 10 days of any changes, or every six months. The office also provides these past students with updated documents for travel purposes, Dependent I-20s, Cap-Gap I-20 and other various documents as needed.

TAMU System Student Health Insurance Policy

International students on a F-1 or J-1 visa/status are required to purchase the TAMU System Student Health Insurance Plan (SSHIP) unless they have an alternate health insurance plan approved through the waiver process. This includes persons who are attending the English Language Training Center. The plan is automatically charged to

F-1 and J-1 international students' tuition and fee statement. J-2 dependents must be covered by health insurance as per the United States Department of State regulations.

Academic Health Plans (AHP) provides program management and administrative services for the student health plans of Blue Cross and Blue Shield of Texas.

PASE Applications

The Office of International Student & Scholar Services handles processing of PASE applications for Mexican national students. The PASE Application is a form of financial assistance for Mexican national students, and allows those who qualify to pay tuition as a Texas resident. These applications must be notarized and submitted with supporting documents to provide the amount of income and expenses that are reported. On average, applications take two-four weeks to process, and we have anywhere from 50-100 applicants per year.

Office of National Scholarships (ONS)

Nancy KingSanders, *Associate Vice President for Student Success*
College Hall 234. MSC 206. Extension 3290

The Office of National Scholarships offers advisement on national competitive scholarships, fellowships and internships. ONS offers application assistance to all TAMUK students at the undergraduate-, graduate- and doctoral-levels, including:

- notification of upcoming competitions
- application assistance for competitions and graduate/professional schools
- personal statements
- essay assistance
- mock interviews
- résumé/portfolio building

Please call the Office of National Scholarships at 361-593-3290 for more information or to set an appointment.

Office of Student Access

Mary L. Gonzalez, *Associate Vice President for Student Access*
College Hall 230. MSC 181. Extension 2129.

The purpose of the Office of Student Access is to promote the completion of high school, the pursuit of college and the acquisition of higher education degrees for first generation and low income students. The Office of Student Access has the unique concept of assisting first generation, low-income students in gaining opportunity to further their education. The department is located in College Hall, second floor. The following programs are housed within the area of the Office of Student Access.

Student Support Services

The Student Support Services (SSS) Program is an undergraduate program that provides academic support services, retention and financial aid assistance. The program provides opportunities for academic development, assists students with basic college requirements and services to motivate students toward the successful completion of their postsecondary education. The mission of Student Support Services is to facilitate a climate supportive of academic success and personal enrichment through proactive and individualized services available to the student from their first semester through graduation. SSS students are challenged to take charge of their learning and develop skills that will enable them to enhance their lives and become well rounded citizens of the Texas A&M University-Kingsville community. The program fosters an institutional climate supportive of the success of low income, first generation or students with disabilities. Student Support Services helps to increase college retention, graduation rates, and as appropriate, facilitate participants' entrance into graduate and professional programs.

Student Support Services-Science, Technology, Engineering, and Math (SSS-STEM)

The SSS-STEM program provides opportunities for academic development, assists 120 students with basic college requirements, and serves to motivate students toward the successful completion of their postsecondary education. The goal of SSS-STEM is to increase college retention and graduation rates of its participants and help students

make the transition from one level of higher education to the next. It fosters an institutional climate supportive of the success of low income and first generation college students and individuals with disabilities through services. SSS-STEM students are challenged to take charge of their learning and develop skills that will enable them to enhance their lives and become well rounded citizens of the Texas A&M University-Kingsville community.

Ronald E. McNair Scholars Program

The mission of the Texas A&M University-Kingsville Ronald E. McNair Post-baccalaureate Scholars Program is to prepare and increase the number of juniors and seniors in the fields of math, sciences and engineering to pursue doctoral studies. The program is named after the late Dr. Ronald E. McNair and is one of 176 McNair programs sponsored by the U.S. Department of Education under a TRIO grant. This grant supports undergraduate students' scholarly activities throughout the academic year and the summer. McNair Scholars are a talented and unique group of students that, through their participation in the program, receive advising, academic skills enhancement opportunities, faculty mentorship, research experiences, counseling, tutoring and other scholarly activities in preparation for their enrollment in graduate school. Students who participate in the program come from disadvantaged backgrounds, show strong academic potential and are committed to pursuing a doctoral degree. The McNair program prepares selected sophomores, juniors and seniors aspiring to study at the graduate level through involvement in research. The McNair Scholars Program works closely with the College of Graduate Studies in increasing the number, quality and diversity of Master's and Ph.D. graduates across all disciplines by: identifying opportunities for talented students to pursue graduate education; fostering opportunities for fellowships and assistantships; and producing new faculty to help close the gaps in higher education in Texas. The goal is to increase the attainment of Ph.D. degrees by students from underrepresented segments of society.

Minority-focused Engagement through Research and Innovative Training (MERIT)

The MERIT program focuses on engaging, mentoring and retaining minority engineering students in their first two years of college here at Texas A&M University-Kingsville. The mentors assist students with tutoring, mentoring, study skills, adjustment to the campus environment and gain and understand the fundamental concepts of engineering. Modules are developed by selective faculties which are used as supplemental mentoring and tutoring for bottleneck courses during the academic year. MERIT also hosts a three week Summer Research Program for campus students along with community college students.

The MERIT program will also prepare the students for difficult concepts in bottle neck courses all related to engineering. Retaining these students during their first two years of college will increase enrollment in the field of Engineering.

The GRE Review Resource Lab

The GRE Review Resource Lab has prepared and obtained resources, such as software and test manuals, on admission tests to various graduate programs. The resources are available to students all day, five days a week, and weekends upon request. Each fall and spring semester the Resource Lab hosts a Saturday workshop with materials provided by Kaplan. The Lab represents a big step in the implementation of graduate resources on campus. The Lab is located in Eckhardt Hall, Room 129.

Annual Javelina Research Symposium

Since 2008, the Office of Student Access, with the support of Texas A&M University-Kingsville has been the host for its annual Javelina Research Symposium. Every year, Texas A&M University-Kingsville invites Undergraduate and post graduate students to submit proposals to present their original scholarly work at the Annual Javelina Research Symposium. Presentations reflect completed or on-going research projects. Awards are presented for top three places in each classification (Undergraduate, Masters, Doctoral).

Student Health and Wellness (SHW)

Jo Elda Castillo-Alaniz, Director

1210 Retama Drive. MSC 112. Extension 3991.

[SHW Webpage](#)

Student Health and Wellness (SHW) serves the physical, emotional and distinct academic needs of Texas A&M University-Kingsville students. Our mission is to raise students' awareness on physical, emotional, social, spiritual, intellectual and occupational dimensions to produce life changing results and to provide a teaching and learning

environment which helps students acquire lifelong learning skills and obtain educational success. Units includes Counseling Services, Health Care Clinic, Disability Resource Center (DRC) and Wellness Program. All services and information provided to/from students is confidential and will not be released without written permission from the student. Office hours are Monday through Friday, 8:00 a.m. to 5:00 p.m., except on major holidays or during semester breaks.

Counseling Services

1210 Retama Drive. MSC 112. Extension 3991.

[SHW Webpage](#)

Personal Counseling can help with challenges, frustration, growth and change that are all a part of the college experience. Professionally trained staff are readily available to students to provide counseling for personal, educational and life-decision concerns. All services, with the exception of selected specialized tests, are free. All testing and counseling sessions are confidential to the limits provided by the law, and no information can be released within or outside the university without the individual's consent. Services provided include individual counseling, career counseling, crisis intervention, consultation and outreach. Scheduled appointments are preferred; walk-ins are welcomed.

Health Care Clinic

1210 Retama Drive. MSC 112. Extension 2904.

[SHW Webpage](#)

The Health Care Clinic provides quality care to students enrolled at Texas A&M University-Kingsville while classes are in session. All registered students pay a health service fee that includes unlimited visits to see a healthcare provider. Medications, lab services and immunizations have a minimal fee. Students are financially responsible for healthcare services received off campus which include but are not limited to: laboratory testing, radiology and imaging, hospital services and services provided by specialists. The health service fee is not to be misconstrued as health insurance. Student health insurance applications or information about purchasing student health insurance is available on the SHW website.

Visits to the Health Care Clinic are by appointment. Students may call or come by the clinic to schedule an appointment but are strongly encouraged to visit the SHW website to schedule appointments online. A limited number of walk-in appointments are available on a first come first serve basis. The Health Care Clinic provides ambulatory care services. Emergencies, minor emergencies and/or urgent care issues will be referred to local healthcare providers. Additionally, Health Care Clinic provides limited treatment to certain cases which are listed on the webpage <http://www.tamuk.edu/health-services/index.html>. Health Care Clinic hours are Monday through Friday from 8:00 a.m. to 5:00 p.m. Students are required to present a valid ID before healthcare services are provided.

All services provided are confidential. No information is released without the written permission of the student. Information on local healthcare providers, after hours care clinics and urgent care centers can be found on the SHW website. Emergency services are available at Christus Spohn-Hospital Kleberg, 1300 General Cavazos Boulevard, and can be reached at 361-595-1661. Fees, as well as transportation to these facilities, are the financial responsibility of the student. In the event of an emergency, students should call 911. For a complete listing of health services provided please visit our website.

Disability Resource Center (DRC)

1210 Retama Drive. MSC 112. Extension 3024.

[SHW Webpage](#)

The Disability Resource Center (DRC) promotes an inclusive environment at Texas A&M University-Kingsville that is free of physical and attitudinal barriers to ensure students with disabilities engage in a full range of college experiences. The DRC strives to be responsive to student needs by facilitating reasonable accommodations that aid in the student's academic success as well as empower students to be self-advocates.

It is the responsibility of the student to provide documentation which verifies that the student's condition meets the definition of a disability as defined by applicable laws (i.e., Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 and the ADA Amendments Act of 2008). Federal Law requires that requests for services for student with disabilities be considered on an individual, case-by-case basis.

The Disability Resource Center (DRC) offers the following services for students with disabilities: accommodations counseling, evaluation referral options, disability related information, adaptive technology, advocacy for students' rights, and intervention services with faculty members. The DRC does not diagnose or conduct disability testing; however, students may contact the DRC office for a referral list of qualified professionals in the surrounding area. Additionally, the DRC does not provide services such as tutoring, personal equipment, personal attendants, or scholarships.

In addition, DRC has a volunteer program. Students interested in volunteering as a note taker for students with disabilities should contact the DRC office at 361-593-3024.

Wellness Program

1210 Retama Drive. MSC 112. Extension 2382.

[SHW Webpage](#)

The Wellness Program strives to provide increased awareness on education, prevention and intervention services involving alcohol, tobacco and other drug use and abuse, HIV/AIDS and other STDs, while promoting positive decision-making and healthy lifestyles. The components in the Wellness Program are Don't Cancel Class, the Peer Educator Program (PEP Talk) and the Women's Enrichment Program. The Don't Cancel Class program is available to faculty, staff or student organizations requesting educational presentations on academic enhancement, alcohol and other drug abuse and prevention, health issues, relationships, wellness and sexual health.

The Peer Educator Program (PEP Talk) reaches out to the university community to increase awareness on health and safety issues. The goal of this program is to share, teach and empower peers to evaluate their lifestyles and make more responsible, healthier decisions.

The Women's Enrichment Program plays an important role in examining and defining the role and status of women in a variety of campus settings by providing and coordinating programs and resources. The program helps to assist with crisis intervention services and provides programs that educate and enhance awareness of women's issues on campus. Annual programs include Women's Retreat, Women's History Month, Sexual Assault Prevention, Breast Cancer Awareness and "Take Back the Night."

Also, join the Healthy Javelina Connection...make an appointment with the nutrition educator, join a fitness class or get going with a couple of sessions with a personal trainer. You can make the health connection through SHW or Campus Recreation and Fitness! For more information on the Wellness Programs contact (361) 593-2382.

The Marc Cisneros Center for Young Children

Marisol Loreda, *Director*

Marc Cisneros Center for Young Children. MSC 138. Extension 2219.

The center is the laboratory in which students observe and gain practical experience in working with young children and their parents. Several of the programs in the Department of Human Sciences require observation and/or participation at the center. Students from other disciplines, such as early childhood education, psychology, speech communications and kinesiology, are also provided opportunities to observe and interact with young children.

The Marc Cisneros Center for Young Children was established in 1941 and is located on the corner of University Boulevard and Santa Gertrudis Avenue. Occupying a new state-of-the-art building since June 2001, the Center is seeking reaccreditation from the National Association for the Education of Young Children. It meets the needs of 60 children aged three months through five years. Fenced playgrounds provide a large assortment of play structures and equipment, shade and sun areas and open play space. Developmentally appropriate learning centers are provided in each classroom to stimulate and encourage exploration and discovery. The philosophy that young children learn through creative play is evident in planned activities that enhance the children's emotional, social, physical and

cognitive development.

A highly qualified, degreed staff works with the children. The school's close proximity to campus and its high quality program make it especially attractive to university students with children. Parents are encouraged to register their children early since a waiting list quickly forms as the fall semester nears. Parents are welcome to visit at any time.

University Police

Felipe Garza, *Director of Public Safety/Chief of Police*

Seale Hall. MSC 126. Telephone 361-593-2611 (On campus extension 2611)

The University Police Department (UPD) is a full-service police department whose primary purpose is to protect the security of the campus and campus community. This department enforces local, state, and federal laws, including traffic and parking statutes and regulations, university policies and regulations; strives to maintain a quiet and orderly atmosphere in which students can pursue an education without disturbances and interference; provides information to visitors on the campus; and, responds to all campus emergencies. The department offers many services not offered by traditional police departments such as vehicle unlocks, vehicle boosts, and escorts. UPD is comprised of 16 state licensed police officers, including the director and five state licensed dispatchers.

All faculty, staff and students (full or part-time) who operate or expect to operate and park a vehicle on university property, regularly or occasionally, are required to register those vehicles with the Business Office or online and obtain a parking permit assigning a designated area or areas for parking. Information regarding vehicle registration, parking zones, permit display, parking penalties or other information with respect to parking and traffic regulations may be found online at JNET, Campus Resources, and Parking Spot ([JNET Login](#)). Due to constant changes in parking zones, an up-to-date campus map is located at the following address – [Parking Zone Webpage](#)

University Writing Center

Steven Corbett, *Director*

Jernigan Library 217. MSC 197. Extension 2744

The University Writing Center offers free writing support to all TAMUK students. We work with writers through all stages of the writing process, from brainstorming and organizing to revising and polishing. Accomplished graduate and undergraduate students make up our staff of dedicated tutors. You can make appointments by visiting our [Writing Center Website](#) or by dropping by in person at Jernigan Library 217. Just bring the assignment sheet for your writing project, and any other guidelines that you may have from your instructor. This will allow you, your writing consultant, and your instructor to be on the same page as much as possible.

Veterans Affairs Office

Michael R. Lugo, *Director*. MSC 115. Extension 4421.

Courses at Texas A&M University-Kingsville are approved for Veterans training and benefits. The Veteran Affairs Office, located in the Javelina Enrollment Service Center, MSUB Room 133, assists Veterans with matters relating to their educational programs.

Opportunities to Connect with Other Veterans

Student Veterans of America Association is a student run organization where Veterans can connect with other Veterans on campus while participating in social and community service activities. For more information contact the Veterans Affairs Office.

Withdrawal/Re-enrollment

If a Veteran student is called to service during the semester, the Veterans Affairs Office will work with the student to contact other offices on campus to assist with their departure/re-enrollment. For specific procedures regarding withdrawals/re-enrollment, contact the Veterans Affairs Office.

Federal VA Benefits at Texas A&M University-Kingsville

In order to apply for Federal Veterans Benefits listed below, complete the VA Form 22-1990 online at www.gibill.va.gov/apply-for-benefits/application. Contact the Veterans Affairs Office with questions about these benefits or assistance in applying for benefits.

A first-time student must obtain a signed copy of his/her degree plan from an advisor and take it to the Veterans Affairs Office to complete the certification process.

Post 9/11 GI Bill (CH 33)

This benefit will pay tuition directly to the University. Additionally, students will receive a payment of approximately \$1,000 annually (divided by academic term) for books and supplies. They will also receive a monthly living based on the DoD Basic Allowance for Housing (BAH) rate for E-5s with dependents. (For full-time or three-quarter time enrolled students, the 2017 rate for TAMU-K is approximately \$1,530.* The amount of this benefit varies from 40% to 100% depending on length of service. (*Distance education students are eligible for BAH as of August 1, 2010.

Montgomery GI Bill-Active Duty (CH 30)

Base rates range from \$536.50 a month for a half-time student with less than three years service to \$1,321 a month for a full-time student with at least three years of service. These rates do not include a Kicker that you may be eligible to receive. If you are on active duty while enrolled as a student you are paid a calculated rate that reimburses tuition and fees or the Veteran rate, which is lower.

Dependents' Educational Assistance (CH 35)

Base rates range from \$227.75 a month for a quarter-time student to \$1,015 a month for a full-time student.

Reserve Educational Assistance Program-REAP (CH 1607)

Base rates range from \$784.20 a month for a half-time student with over 90 days of active duty service to \$1,164.00 a month for a full-time student with over two years of active duty service. This benefit will vary based on number deployment hours. These rates do not include a Kicker that you may be eligible to receive.

Vocational Rehabilitation (CH 31)

This benefit will pay books, tuition and fees directly to the University. Students will also receive a monthly living allowance that varies from \$572.02 for a half-time student to \$7,490.87 for a full-time student with two dependents. (There is an additional amount for each dependent in the household.)

Montgomery GI Bill Reserve (CH 1606)

Base rates range from \$82.25 a month for a less than half-time student to \$329 a month for a full-time student. These rates do not include a Kicker that you may be eligible to receive. You may also use state or federal tuition assistance.

Texas Veterans Benefits

The Hazlewood Act provides qualified Veterans, spouses and children with an education benefit of up to 150 hours of tuition and fee exemptions at state supported colleges or universities.

To receive a Hazlewood Act Exemption, a Veteran must:

- have been a Texas resident upon entry into the military, entered into active federal duty in the State of Texas, or declared Texas as his or her home of record at the time of entry into the armed forces as documented on his or her DD Form 214 (member 4);
- have a military discharge of honorable conditions;
- have served at least 181 days of active duty service (excluding training);
- not be in default on an education loan made or guaranteed by the State of Texas and not be in default on a federal loan if that default is the reason the student cannot use his or her federal veterans' benefits.

The Hazlewood Act benefit is also extended to the dependent children and spouses of eligible veterans who died in the line of duty or as a result of injury or illness directly related to military service, are missing in action, or who became totally disabled for purposes of employability as a result of a service-related injury or illness. This benefit also applies to the dependent children and spouses of members of Texas National Guard or Air National Guard until

who were killed while on active duty while servicing either the State of Texas or the United States or are totally disabled for purposes of employability. An eligible child or spouse must provide official military documentation indicating that he or she meets the requirements.

Transferability of Benefits (Legacy Program)

Eligible Veterans may assign unused hours of exemption eligibility to a child under certain conditions. To be eligible, the child must:

- be a Texas resident,
- be the biological child, stepchild, adopted child or claimed as a dependent in the current or previous tax year,
- be 25 years or younger on the first day of the semester or term for which the exemption is claimed (unless granted an extension due to a qualifying illness or debilitating condition, and
- make satisfactory academic progress in a degree, certificate or continuing education program as determined by the institution. 2.0 GPA for Undergraduates and 3.0 for Graduate.

If a child to whom hours have been delegated fails to use all of the assigned hours, a Veteran may re-assign the unused hours that are available to another dependent child.

To use Hazlewood benefits or to transfer unused benefits to an eligible child, applicants must complete an application/release form below:

HE-V App Packet for veterans who have never used the exemption.

HE-D App Packet for eligible children and spouses who have never used the exemption.

Veterans must provide proof (DD214, Member 4) from the Department of Defense regarding their military service and nature of discharge. In addition, both Veterans and dependents must also provide proof of eligibility or ineligibility for GI/Montgomery benefits (Chapter 33/Post 911) by requesting an education benefits letter from the VA office in Muskogee, OK at (888) 442-4551 or www.gibill.va.gov. Dependents must provide proof from Department of Defense (DoD) or from Veterans Administration (VA) regarding parent's death or disability related to service. Both groups should contact their college financial aid office regarding their status on prior federal student loans made or guaranteed by the State of Texas.

JAMES C. JERNIGAN LIBRARY

Bruce R. Schueneman, *Library Director*

Library 101. MSC 197. Extension 3528. [Library Webpage](#)

Professors

Ayala-Schueneman, Packard, Schueneman

Assistant Librarians

Atkins, Baker, Limón, Melchor, Radcliff, Rosenbaum, Smith, Stigall, Tallant, Thacker, Zhu

Visiting Assistant Professor

Clasen

Director Emeritus

Tipton

Professional Staff

Sylvia A. Martinez, *Administrative Coordinator*

The James C. Jernigan Library's mission is to enable individuals to seek information and use it effectively to enrich their lives. The Library advances the University's mission of teaching, research and service by ensuring quality service to all patrons; teaching information skills that lead to academic success and life-long learning; building collections of distinction that support academic programs; and providing leading technologies that enhance access to information resources.

The Jernigan Library website (<http://www.tamuk.edu/library>) serves as the primary gateway to a wide selection of resources including OASIS, the on-line library catalog. Library holdings consist of books, periodicals and microforms numbering well over one million items. Additionally, the website links A&M-Kingsville students, faculty and staff to database subscription services, on-line journals, e-books, government information and other useful websites.

Reference and Instruction Services provides individual assistance in identifying and locating pertinent resources, as well as group services such as library tours, basic library skills instruction, course-integrated instruction and special topics workshops. In addition to requesting assistance in person, library users may contact Reference and Instruction Services by telephone (361) 593-3319 (text: 361-693-5264), or by linking to the library's virtual reference site at <http://askus.tamuk.edu>.

Access Services (Circulation and Reserves) are adjacent to the main exit. See the Jernigan Library website for information in renewing, recalling and placing library items on hold. Details for requesting a TexShare Library card are also found on the website.

Interlibrary Loan and Document Delivery Services provides access to materials not owned by the library. Requests for books, journals and other items can be made via an on-line form linked on the website. Allow at least two weeks for materials to arrive.

The *South Texas Archives and Special Collections* were established to preserve and to make available to the public documentary materials about the history and natural history of South Texas. The Archives are located on the third floor of the library.

The Library participates in several resource-sharing programs including the AMIGOS Bibliographic Council, TexShare and The Texas A&M University System Libraries Council. Additionally, the Jernigan Library is a Selective Federal Depository Library.

CENTER FOR DISTANCE LEARNING AND INSTRUCTIONAL TECHNOLOGY

Michelle Durán, Ph.D., *Assistant Vice President for Teaching and Learning*
Jernigan Library 213. MSC 197. Extension 2860

[Distance Learning and Instructional Technology Webpage \(http://www.tamuk.edu/distancelearning/\)](http://www.tamuk.edu/distancelearning/)

Distance Learning and Instructional Technology supports academic and administrative services by providing researched-based instructional support through quality training, introductions to innovative technical solutions and progression in distance learning infrastructure. Distance learning covers a variety of options to enhance instruction in web-enhanced, web-substituted and/or online courses and provides support for local and online student populations.

General Restrictions on All Courses

A student who desires university credit for a course must meet the university entrance requirements and the specific prerequisite requirements for the individual course. Students on suspension from any university cannot register for any courses.

Distance Learning Course Types

Distance learning academic credit courses are offered in a variety of delivery types.

Web-Enhanced Courses (face to face courses with technical enhancements)

A web-enhanced course is a course in which no planned instruction occurs when the students and instructor(s) are not in the same physical space. The course is supported through the learning management system, which may contain supplemental instruction material for the course.

Web-Substituted Courses (500 courses)

A web-substituted course is a course in which no more than 50 percent of the planned instruction occurs when the students and instructor(s) are not in the same physical space. The online portion of the course is conducted through the university learning management system which contains instructional material for the course.

Hybrid/Blended Courses (900 courses)

A hybrid/blended course is a course in which a majority (***more than 50 percent but less than 85 percent***) of the planned instruction occurs when the students and instructor(s) are not synchronously (same time and space whether virtual or physical) in contact. The online portion of the course is conducted through the university learning management system which contains instructional material for the course.

Fully Online Courses (600 courses)

A fully online course is a course that may have mandatory face-to-face sessions totaling ***no more than 15 percent of the instructional time***. Examples of face-to-face sessions include orientation, laboratory, exam review or an in-person test. The online portion of the course is conducted through the university learning management system which contains instructional materials for the course.

Video Conference Courses (400 courses)

Distance learning interactive videoconferencing credit courses are coordinated statewide by the Trans Texas Videoconference Network (TTVN) with central offices located at Texas A&M University in College Station. All Texas A&M System campuses have the ability to collaboratively broadcast and receive hundreds of videoconference courses. TTVN classrooms at Texas A&M University-Kingsville are located on campus and one is located at the Citrus Center in Weslaco.

DISTANCE LEARNING DEGREE PROGRAMS

Texas A&M University Kingsville offers distance learning master's and doctoral degree programs. Programs are offered either completely online or through a combination of distance learning delivery methods such as TTVN videoconference (two-way audio-video), off-campus, online or hybrid (combination of face-to-face and online).

Online (fully online programs)/Distance Learning Programs (combination of delivery methods)

Doctor of Education in Bilingual Education, Master of Business Administration, Master of Education in Adult Education, Master of Education in Early Childhood, Master of Science in Bilingual Education, Master of Science in Counseling and Guidance, Master of Science in Education, Master of Science in Educational Administration, Master of Science in Industrial Engineering and Master of Science in Instructional Technology.

Registration Information

Students enroll in distance learning courses through Blue and Gold Connection in the same manner as face-to-face courses.

All courses are the equivalent to courses taught on campus and are awarded equal credit. All credit course work is calculated as a part of the overall grade point average. A student should expect the same supplemental reading, written reports and other work necessary to make the course equivalent in scope and type of instruction to a course offered on-campus face-to-face. Distance learning courses require the same number of clock hours of instruction as an on-campus class.

Textbooks for all distance learning courses will be available from the university bookstore or the electronic bookstore in accordance with course syllabi. Students are responsible for obtaining the textbooks, publisher access codes (if applicable) and any needed supplies for distance learning courses.

Blackboard Student Resource Course (SRC)

Distance Learning and Instructional Technology offers all currently enrolled students access to a student resource course in Blackboard (DIST1000). The SRC is available to students two weeks prior to the start of the semester. The purpose of this course is to provide students with a self-help Blackboard Learn Resource tool. The course is not for academic credit and does not require completion, it only serves as a self-help portal to assist students in effectively navigating the learning management system.

iTech Support Service Help Desk

For technical assistance with distance learning, contact iTech Support Services at the following locations: 24/7 *Online Help Desk* [iTech Help Desk \(http://support.tamuk.edu\)](http://support.tamuk.edu); 24/7 *Phone Help Desk* (361)593-4357; email helpdesk@tamuk.edu; On-campus Jernigan Library Commons (1st floor).

AUXILIARY ACADEMIC RESOURCES

Much of the learning and the research in a university occur outside organized classes. The following units of Texas A&M University-Kingsville support faculty and student educational and research pursuits.

Academic Testing Center

Alvinette Jefferson, *Supervisor*

Cousins Hall 103. MSC 147. Extension 3303.

[Academic Testing Webpage](#)

The Academic Testing Center (ATC) provides comprehensive testing services for university students, prospective students and individuals in the community. The Testing Center serves as a national testing center for the following: American College Test (ACT), College Level Examination Program (CLEP) computer-based exam, Law School Admissions Test (LSAT), Miller Analogies Test (MAT), PRAXIS and School Leadership Series Tests, TOEFL IBT, TExES/ExCET and Texas Higher Education Assessment (THEA) and the Texas Commission on Environmental Quality (TECQ) Occupational Licenses Exam. The Testing Center also offers proctoring exam services.

ATC provides at-large services for the following: the General Education Development (GED), Texas Commission on Law Enforcement Officers Standards and Education (TCLEOSE), and is an approved testing site for Performance Assessment Network (PAN) and Pearson Vue for Certification, entry level and advancement exams.

Center for Continuing Education

Duane Gardiner, *Acting Director*

Cousins Hall 109, MSC 147. Extension 2861.

[Continuing Education Webpage](#)

The Center for Continuing Education extends the services of the university to business, industry, educational institutions, professional organizations, governmental units and other groups of adults who need non-credit courses, through conferences, institutes, workshops, seminars, short courses and special training programs. Offerings of particular interest to graduate students include: Academic Preparation Programs, Business and Professional Development Programs, and Personal Enhancement and Fine Arts Programs.

English Language Training Center

Duane Gardiner, *Acting Director*

Cousins Hall 217, MSC 147, Extension 2855

[English Language Training Center Webpage](#)

The English Language Training Center (ELTC) at Texas A&M University-Kingsville offers intensive instruction in English as a Second Language (ESL) to international students and individuals seeking to enhance or develop their English speaking skills. Students of ELTC may wish to improve their English for personal, professional, or academic purposes. To that end, the Center promotes language acquisition through immersion in an English-speaking environment and by interacting with native speakers in social events/organizations, campus life, and extra-curricular activities that are important aspects of American life and culture.

Intensive English Instruction

ELTC offers an intensive English language program from five up to fifteen week sessions. This program is offered to students with academic goals as well as for their personal or professional goals. Classes are held five hours a day from 9am to 3pm, Monday through Thursday and three hours, from 9am to 12pm on Fridays. Part-time enrollment is also available. The curriculum is based on a "holistic approach" where classes in reading, writing, listening and speaking are integrated and interconnected together to better understand how these elements relate to each other. Classes are based on these following levels: Zero and Beginning Levels; Low and High Intermediate Levels; and Low and High Advanced Levels. Local and out of town field trips as well as cultural and co-curricular activities are organized for the students.

ESL Training for Admission to Academic Programs

ELTC works closely with both Undergraduate and Graduate Admissions through English language instruction, individual and group tutoring, as well as ESL testing. Based on Texas A&M University-Kingsville's Admission policy, international students who are academically qualified but do not meet the University's required level of English proficiency, may be admitted to ELTC for English language instruction. Upon completion of the Center's advanced level of instruction with an overall average of 90% or better, the student is recommended for admission to the College of Graduate Studies. With an average of 85% upon completion at ELTC, the student is recommended to undergraduate admission. The Office of Graduate Admissions also refers some of its foreign-born domestic students to ELTC for ESL testing to ensure their success in their chosen program of study at the Graduate level.

ESL Tutoring Services

ELTC offers private tutoring services to international students and professionals from the community. Individual and group tutoring is offered to international students currently attending Texas A&M University-Kingsville. In partnership with the College of Engineering – JESSC Program, ELTC also offers tutoring to its students needing ESL assistance.

ESL Civics Program

The Center is also launching an ESL Civics Program in Fall 2013. The program will be available for all members of the community who wish to become American citizens. Instruction will be two-fold: there will be English language instruction and instruction in Civics and the citizenship process.

“Fast Track” ESL Program

For students who have been admitted to ELTC with the intention of matriculating to the University, ELTC offers a Fast Track Program. Students who have been placed in the intermediate or advanced level of instruction can complete a semester's course load in just 8-9 weeks through this accelerated program. Those who successfully complete the Program will be awarded a Certificate of Completion and are eligible for full admission to Texas A&M University-Kingsville.

Distance Learning ESL Program

To meet the needs of 21st century students, ELTC is also offering Distance Learning. The Distance Learning Program is targeted to students in countries for whom there are problems obtaining an F1 visa. Students who choose Distance Learning can still have the immersion experience from the comfort of their own home and they have the option of coming to Texas A&M University-Kingsville and meet up with their “virtual” colleagues for a week during the Summer.

Information Technology

Robert Paulson, *Associate Vice President for Information Technology/CIO*
College Hall 220. MSC 185. Extension 5002.

The iTech department is the university's principal provider of administrative and infrastructure information technology resources and services. To support academic programs, iTech operates computing laboratories located in several locations on campus.

Video conferencing is available in the Jernigan Library, Rhode Hall, Engineering Complex, College Hall, Hill Hall, Same Fore Hall, Manning Hall and the Human Sciences Building. Distance learning classes can be delivered either via video conferencing (TTVN) or the Blackboard Learning Management System.

Besides maintaining the computer hardware and network infrastructure to support administrative information technology, iTech also maintains many administrative applications and systems. The Student Information System is Ellucian Banner. The university's e-mail system for faculty and staff is Microsoft Exchange 365.

The campus network supports a 10 Gigabit Internet backbone with 10/100/1000 Mbps to the desktop and a 2 Gbps connection to the Internet. The campus network also includes the wireless technology providing both coverage for the majority of the academic buildings on campus. More than 2500 PCs in campus administrative offices, faculty and staff offices and academic computing laboratories are connected to the campus network giving the users access to a variety of software, data sources, e-mail and the Internet.

John E. Conner Museum

Jonathan Plant, *Director*

Conner Museum. MSC 134. Extension 2849.

The Conner Museum, a department of the College of Arts and Sciences at Texas A&M University-Kingsville, focuses on the cultural history of South Texas and the natural history of the Tamaulipan Biotic Province. The Museum serves as an educational resource for students, the local community and the people of South Texas.

The Museum participates in collaborative learning with other university departments, facilitates a museum intern program for university students and maintains both permanent and changing exhibit galleries. State and nationally touring exhibits are presented during the year free of charge to university students and the general public. An extensive study collection of various artifacts is also available for viewing by university students and researchers by appointment. In conjunction with its educational purpose, the Museum presents various interpretive programs for public school children and adults. The Conner Museum is open weekdays from 9 a.m.-5 p.m. and on Saturdays 10 a.m.-4 p.m.; the Museum is closed university holidays. Admission is free; donations are accepted.

Office of Institutional Research & Assessment

Miao Zhuang, *Director*

College Hall 233. MSC 215. Extension 2244.

The Office of Institutional Research serves to provide the high quality of research to support department program reviews, institutional planning and decision-making through the collection and dissemination of accurate and timely data, reports and analysis. The office is committed to providing support and expertise for the evaluation and assessment activities throughout the university. The office is also responsible for ensuring the timely submission and accuracy of reports to external agencies including, but not limited to, the Integrated Postsecondary Education Data System (IPEDS), US News, the Texas Higher Education Coordinating Board, Legislative Budget Board and The Texas A&M University System.

Office of International Studies and Programs

Peter Li, *Director*

Cousins Hall 111. MSC 147. Extension 3558.

The Office of International Studies and Programs (OISP) works toward the internationalization of all aspects of Texas A&M University-Kingsville by involving students and faculty in international studies and research. OISP consists of four interrelated areas: 1) Study Abroad Programs and International Internships; 2) Student and Faculty Exchange Programs; 3) Collaborative International Research; 4) Study Abroad Scholarship; 5) Employee and Student Business Travel Abroad; and 6) International Memorandums of Understanding/Agreements of Cooperation.

Student Abroad Program and International Internships

In fulfillment of the mission of Texas A&M University-Kingsville, OISP encourages undergraduate and graduate students to spend a summer, a semester or, ideally, an academic year outside the United States. Students can earn credit toward their degrees through international studies. Faculty, staff and community members are also encouraged to participate in these programs. Options, with or without credit, are available for students and non-students in any degree or non-degree program.

Exchange Programs

Texas A&M University-Kingsville has many exchange agreements with international institutions. Students may earn credit toward their degree programs while faculty can obtain experience that positively impacts their professional careers. International students and faculty also can come to Texas A&M University-Kingsville through an exchange program and study or teach here on campus.

Collaborative International Research

OISP works with faculty, departments and colleges on identifying, developing and securing international research opportunities world-wide. This includes assisting faculty with Fulbright teaching and research awards and locations.

Study Abroad Scholarship

All Texas A&M University-Kingsville full-time students are welcome to apply for a scholarship to facilitate international studies. Scholarships can be used for tuition, fees and travel for an approved Texas A&M University-Kingsville Study Abroad Program outside the United States. These scholarships are also available to degree-seeking international students and these pay for their tuition and fees here at Texas A&M University-Kingsville.

Employee and Student Business Travel Abroad

University employee and students traveling internationally while representing Texas A&M University-Kingsville are required to register their travel with OISP. By registering with OISP, individuals will receive international health insurance coverage, registration with the Department of State's STEP program and coverage of their travel under the TAMU system insurance policy.

International Memorandums of Understanding/Agreements of Cooperation

OISP is responsible for handling the process and procedures for developing and signing of agreements of cooperation/memorandums of understanding between Texas A&M University-Kingsville and institutions abroad. The Office collaborates with the President's Office in organizing ceremonies and official visits of international delegations.

For additional information, contact the OISP at (361) 593- 3558 or via email at intlstudies@tamuk.edu.

Office of Research and Sponsored Programs

George A. Rasmussen, *Vice President for Research and Graduate Studies*
College Hall. MSC 201. Extension 3344.

The office assists faculty in securing external funds for research. It coordinates campus research activities, acts as a liaison for interdisciplinary research and community outreach programs, provides information on funding sources and proposal and budget development, as well as data on submissions and awards. All proposals for external funds are submitted through the Office of Research and Sponsored Programs.

COLLEGE OF GRADUATE STUDIES

George Allen Rasmussen, *Vice President for Research and Graduate Studies*

Linda Challoo, *Associate Dean for Research and Graduate Studies*

College Hall 150. MSC 118. Extension 2808. [Graduate Studies Website](#)

A primary objective of graduate study is to develop habits of independent scholarship. The quality of work expected from a graduate student differs from that of an undergraduate. The graduate student must strive for an extensive knowledge of the chosen major and its related areas. The graduate student should anticipate lengthy reading assignments, term papers, laboratory work, frequent use of the library and other research facilities and attendance at workshops and conferences.

The Graduate Dean and Associate Dean of the College of Graduate Studies are the general advisers for all graduate students. Each graduate program has one or more graduate coordinators who counsel the student concerning particular programs and/or courses and guides the student to the appropriate program adviser. The program adviser helps direct the student's academic program and chairs the student's graduate committee.

The Graduate Council recommends policy and assists in the direction of the College of Graduate Studies through the Graduate Dean. This body approves curricula leading to a graduate degree and the rules governing those pursuing such a degree.

A graduate faculty, consisting of members of the staff who are actively engaged in recognized scholarly activities and who are eligible to teach graduate level courses, are academically responsible for all graduate programs.

The ultimate responsibility for successful completion of an advanced degree or other program falls upon the student. Since changes in procedure do occur, the student should update any changes of mailing address, email or phone number(s) via Blue and Gold.

Graduate Courses Rigor

Master's and doctoral courses and programs at Texas A&M University-Kingsville are progressively more advanced in academic content and rigor than undergraduate courses and programs. The advanced content and rigor in each graduate course and each graduate program is assured through the Graduate Council (elected and delegate body of the graduate faculty) policies and processes on graduate curriculum approval, periodic graduate program reviews and approval, and the graduate faculty membership approval regarding qualifications of graduate faculty. Graduate Faculty conduct research in their area of expertise and are qualified to supervise student research in their specific areas. In addition, no undergraduate credits are accepted toward any master's/doctoral degree. Also, the qualifications of graduate faculty are continuously reviewed.

The Graduate Curriculum Committee of the Graduate Council reviews and evaluates every graduate course and program submitted for approval and makes recommendation to the Graduate Council. This evaluation process takes the following into account to make sure all university post-baccalaureate master's and doctoral degree courses and programs are progressively more advanced in academic content and rigor than undergraduate courses and programs.

For Master's-Level (5000-Level) Courses

Instructor:

The instructor for the 5000-level courses must be broadly and deeply conversant with the field of study and be knowledgeable in the state-of-the-art information available in textbooks and scholarly articles or electronic networks, and must hold a terminal degree in the teaching field.

Course Content:

5000-level courses should:

- provide content knowledge beyond the undergraduate level,
- make maximum use of modern technology and other available resources,
- emphasize the analysis and synthesis of information and should expand the student's knowledge base and

- prepare the student for the job market at a more advanced level than those with baccalaureate degree.
- provide knowledge of scholarly writing techniques and of research methodologies appropriate to the discipline, and
- prepare the student for pursuing more advanced degrees.

For 6000-Level Courses

Instructor:

The instructor for the doctoral level course must have prior scholarly activity experience and be broadly and deeply conversant with the field of study and be knowledgeable in the state-of-the-art information available in textbooks and scholarly articles or electronic networks, and must hold a terminal degree in the teaching field.

Course Content:

6000-level courses will provide knowledge beyond the undergraduate level and be manageable by a graduate student who has completed a BS or MS in an appropriate field of study. These courses will:

- present theoretical basis for topics covered and demand a higher level of critical thinking with more intellectual rigor beyond that of 5000-level courses,
- address advanced knowledge of the major research methodologies of the discipline,
- build on the current research available in the field of study, and
- provide a profound knowledge of scholarly writing.

GENERAL REQUIREMENTS FOR GRADUATION WITH A MASTER'S DEGREE

Graduate degree candidates must obtain clearance and complete a Degree Candidacy form at the Graduate Office. Clearance to graduate follows recommendation by the official graduate coordinator/adviser(s) and Department Chairperson to the Graduate Dean. Students may apply for candidacy with the graduate dean 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 three degree options described below. A Master of Science degree is awarded to candidates who complete only the requirements specified below for one of these degree options. A Master of Arts degree is awarded to candidates who, in addition to the requirements for one of these degree options, complete four college-level courses in a single foreign language with grades of C or better, or who have the equivalent in advanced placement. It is the student's responsibility to submit to the Graduate Office the proper documentation showing the completion of four college-level courses taken in a single foreign language before processing the graduate diploma card at candidacy.

Other master's degrees exist: the Master of Music (described under Music), the Master of Business Administration (described under Business Administration), the Master of Education (described under Education), Master of Social Work and the Master of Engineering (described under Engineering).

Research that involves human subjects must be approved by the Institutional Review Board for the Protection of Human Subjects. Training in the use of human subjects in research is available through the Collaborative Institutional Training Initiative (CITI) and the National Institute of Health (NIH). Training is mandatory, either through CITI or NIH. Visit the Office of Research and Sponsored Programs' website for further information: <http://www.tamuk.edu/osr>.

Thesis Option

1. Thirty semester hours of approved graduate courses, with at least 18 semester hours (including 6 hours of Thesis 5306 research) in a major subject.
2. No more than 6 semester hours of credit for special problems courses may be accepted.
3. A research thesis must be prepared under the direction of a professor in the major subject area who is the student's thesis adviser. A thesis proposal approved by the thesis adviser must be completed for a letter grade (A, B, C) to be assigned in the first 3 hours of Thesis Research 5306.
4. The student must be registered for the thesis course during the semester of graduation.
5. The thesis must be accepted by a committee of at least 3 faculty members including the thesis adviser and at least, one other professor from the major area. Other committee member(s) may be selected from the major field area or other. The student will make an oral defense of the thesis and comprehensive exam before the committee no later than five weeks before commencement. The thesis defense report forms, signature page and abstract are to be filed in the Graduate Office.
6. Thesis 5306 is used solely by 'Thesis Option' 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 students should be enrolled in 5306 during semesters or summer terms when the student is receiving supervision from the thesis adviser, thesis committee or is receiving a research stipend.
7. The final form of each thesis must be approved by the graduate dean for style, format and scholarly merit. A copy of the first page of the Turnitin report signed by the thesis adviser has to be submitted as well. Instructions concerning the form to be used and details to be followed in preparing the thesis may be obtained from the [Graduate Studies website](#).

Courses-Only Option

1. Thirty-six semester hours of approved graduate courses, with at least 24 semester hours in a major subject area. Each student's degree plan must be approved by the program coordinator and the department chair.
2. Each department will make sure that the graduate courses in the major provide students with knowledge of the literature of the discipline and ensure student engagement in research and/or appropriate professional

practice and training experiences will be required.

3. Without special permission from the program coordinator, the department chair and the graduate dean, no more than 6 semester hours of credit for special problems or independent study courses may be accepted. Courses such as 5305 and 5306 cannot be used to fulfill the requirements of Courses-Only option.
4. A common written comprehensive examination that illustrates knowledge of the literature of the discipline and ensures student engagement in research and/or appropriate professional practice and training experiences will be required. It will be conducted by a departmental committee comprised of at least two faculty members. The comprehensive exam should be taken by each student in the last semester.

Project Option

2. Thirty-six semester hours of approved graduate courses, with at least 24 semester hours in a major subject area. Each student's degree plan must be approved by a faculty advisor, the graduate program coordinator and department chair.
3. Without special permission from all members of the student's committee and the graduate dean, no more than 6 semester hours of credit for special problems courses may be accepted.
4. A project report produced as a major assignment in a 3 hour 5000-level course from a department-approved list of courses including 5305 is required.
5. Upon recommendation of the project adviser, the project report must be approved by a faculty member in the major, the graduate program coordinator and department chair. The project will demonstrate knowledge of the literature of the discipline and ensure student engagement in research and/or appropriate professional practice and training experiences.
6. One copy of the approved research project will be placed in the student's file in the major department. Also, a copy of the signed project cover page with the appropriate signatures, original first page of Turnitin Report and a completed comprehensive exam form must be submitted to the Graduate Dean for final approval.
7. An Oral and/or written comprehensive examination that illustrates knowledge of the literature of the discipline and ensures student engagement in research and/or appropriate professional practice and training experiences will be required. It will be conducted by a departmental/project committee comprised of at least two faculty members. The comprehensive exam should be taken by each student in the last semester.

Conditions Applicable to Graduate Degrees

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 dean's review and written permission.

Comprehensive Examination(s)

Each graduate student must demonstrate proficiency in the major subject by passing comprehensive examinations approved by the appropriate graduate coordinator(s) and administered by the student's program committee. Comprehensive exams for the supporting area are at the discretion of the program/department.

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 College of Graduate Studies 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

The College of Graduate Studies requires that there be a substantial difference between undergraduate and graduate instruction and that graduate study be at a level of complexity and generalization that extends the knowledge and intellectual maturity of graduate students. A limited number of 4000 (undergraduate) level and 5000 (graduate) 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*. Graduate students must be registered in the 5000 level course in order for the course to be applicable towards the degree.

Residency Requirements

The graduate student will comply with the residency policy established by the individual graduate program. Students may consult with the graduate dean for additional information.

Registration

Graduate students must be registered in thesis/dissertation 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 require that the graduate student be enrolled for a minimum of six semester graduate credit hours during the long terms and six semester graduate credit hours during the summer session.

Course Longevity (Master Degrees)

A master's degree student must complete all requirements for each specific graduate degree within seven 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 Graduate Dean.

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 seven 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 adviser/coordinator to apply for graduation with the Graduate Dean, submit a final degree plan/transcript, complete an application for candidacy in the Graduate Office. 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*, *S*, *U* 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 or dissertations. Primary authorship on manuscripts derived from a dissertation, 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 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 by electronic communication.

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 either research paper(s), a thesis or formal testing is the appropriate format for such courses.

MASTER'S PROGRAMS IN AGRICULTURE, NATURAL RESOURCES AND HUMAN SCIENCES

AGRICULTURAL AND NATURAL RESOURCES PROGRAMS

The Master of Science degree is offered in Agriculture Science, Animal Science, Plant and Soil Science, Ranch Management and Range and Wildlife Management. Both thesis and graduate research projects are available. The former requires satisfactory completion of a minimum of 24 credit hours of graduate course work plus 6 credit hours of thesis. The graduate research project requires the satisfactory completion of a minimum of 36 credit hours of graduate work, including a 3 credit hour special problems course that requires a research paper shorter than a thesis. The Thesis option requires the completion of 6 semester hours of graduate level statistics courses, except in the Animal Science program which requires the completion of 3 semester hours of graduate level statistics courses. The Research Project Option requires completion of a 3 semester hour statistics course. Research projects are available in all majors in agriculture, except the wildlife program. The Courses Only option in the Department of Agriculture, Agribusiness and Environmental Sciences, requires completion of 36 hours of coursework with a written comprehensive exam, followed by an oral defense in the final semester for a Master of Science degree.

Admission to the program requires a baccalaureate degree with adequate course work in the field of interest and a score of at least 284 (verbal plus quantitative) on the GRE Aptitude Test with an undergraduate grade point average of a 3.0 or better, or a GRE of 294 (verbal plus quantitative) with an undergraduate grade point average of 2.6 to 2.99. Students must be accepted by a graduate faculty member who agrees to guide the student's program and serve as the major adviser. A student may be required to take a preliminary examination to determine proficiency and background preparation.

DEPARTMENT OF AGRICULTURE, AGRIBUSINESS AND ENVIRONMENTAL SCIENCES

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Graduate Faculty: Ambrose Anoruo, John V. da Graca, Eliezer Louzada, Clay Mathis, Shad D. Nelson, Greta Schuster, Randall H. Williams

Associate Member: Veronica Ancona-Contreras, Steven Chumbley, Madhurababu Kunta, Kranthi Mandadi, Richard Muchen, David E. Ruppert, Mamoudou Setamou, Benjamin Turner, Jerome Tymrak

The purpose of the graduate program in the Department of Agriculture, Agribusiness and Environmental Sciences is to provide students with a solid foundation in agricultural and natural resource sciences, theory and management. Goals of the department include developing new ideas through research, training graduate students in creativity and freedom of thought and preparing students for success in the face of a rapidly evolving economy.

AGRIBUSINESS (AGBU)

5305. Graduate Research Project.

3

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis.

3

Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5390. Advanced Studies in Agribusiness. 3(3-0)
Material offered is determined by the needs of the students. Laboratory and lecture vary according to the subject needs. May be repeated once under a different topic.

5395. Advanced Problems in Agribusiness. V:1-3
Independent work which may include a laboratory or field problem. Variable credit dependent upon the problem; may be repeated for a total of 3 semester hours for thesis option students or 6 semester hours for project option and course-only option students. Prerequisite: approval of a faculty member who will supervise the problem.

AGRICULTURE SCIENCE (AGSC)

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5312. Facilities for Agriculture Sciences. 3(3-0)
Planning and designing agricultural facilities for the secondary school with consideration for educational needs, curriculum, efficiency of use, inventory control and management. Organizing, equipping, maintaining and operating the shop, greenhouse, farm and meat processing laboratories.

5361. Program Building in Agricultural Education. 3(3-0)
Organization of education programs in vocational agriculture for production, cooperative training and pre-employment classes. Developing annual teaching plan.

5363. Methods in Adult and Young Farmer Education. 3(3-0)
Determining needs, methods of establishing programs, evaluating programs and methods of teaching producers involved in agriculture. A detailed study of adult and young farmer program.

5367. Organization and Administration of Vocational Education. 3(3-0)
Theories and procedures applicable to vocational education in the areas of program standards, finances, state plan, facilities, recruitment and selection of personnel and role of community advisory committees as applied to vocational education.

5390. Advanced Studies in Agricultural Education. 3(3-0)
Material offered will be determined by the needs of the students. May be repeated once under a different topic. Topics include the following: supervision of occupational experience programs in agriculture, agricultural youth leadership, instructional technology in agriculture and current issues in agricultural education.

5395. Advanced Problems in Agricultural Science and Technology. V:1-3
Independent work which may include a laboratory or field problem. Variable credit dependent upon the problem; may be repeated for a total of 3 semester hours for thesis option students or 6 semester hours for project option and course-only option students. Prerequisite: approval of a faculty member who will supervise the problem.

5399. Thesis Topics. V:1-9
For thesis option Master's students. To be taken by students who receive a stipend while working on their research project in Plant and Soil Science. Designed to be student-specific to meet each student's individual needs and to enhance their graduate education by providing one-on-one time with professors.

PLANT AND SOIL SCIENCE (PLSS)

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5324. Forage Quality. 3(3-0)
Advanced topics in forage quality as related to ruminant animal nutrition. Prerequisites: RWSC 3328.

5390. Advanced Studies in Plant and Soil Science. 3(3-0)
Material offered is determined by the needs of the students. May be repeated under a different topic.

5395. Advanced Problems in Plant and Soil Science. V:1-3
Independent work that may include a laboratory or field problem. Variable credit dependent upon the problem; may be repeated for a total of 3 semester hours for thesis option students or 6 semester hours for project option and course-only option students. Prerequisite: approval of a faculty member who will supervise the problem.

5399. Thesis Topics. V:1-9
For thesis option Master's students. This course is to be taken by students who receive a stipend while working on their research project in Plant and Soil Science. Course is designed to be student-specific to meet each student's individual needs and to enhance their graduate education by providing one-on-one time with professors.

RANCH MANAGEMENT (RAMT)

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
This course is for thesis option students. The course requires 6 hours of grades, 3 hours will consist of completion of thesis proposal and 3 hours will consist of the thesis. Completion of the thesis proposal must occur as a prerequisite to, or be enrolled in during the same semester as the 3 hours of thesis.

5350. Practicum in Ranch Management. 3(3-0)
Students apply tools and techniques learned in other courses to current issues facing the ranching industry. Course requires on ranch study of these current problems integrating tool and techniques learned in other courses using a systems approach.

5351. Systems Approach to Natural Resource Problem Solving. 3(3-0)
Concept of system dynamics applied to solving natural resource management issues. Intensive application of system dynamics approaches and applied application to ranch and wildlife management and other disciplines.

5352. Advanced Ranch Planning and Analysis. 3(3-0)
An interdisciplinary approach to ranch management. Includes finance, managerial accounting, management information systems and natural resource monitoring.

5390. Advanced Studies in Ranch Management. V:1-3
Material offered is determined by the needs of the students. Variable credit dependent upon the topic; may be repeated for a total of 9 semester hours under different topics.

5695. Advanced Problems in Ranch Management. V:3-6
Independent work that may include a laboratory or field problem. Variable credit dependent upon the problem; may be repeated for a total of 3 semester hours for thesis option students or 6 semester hours for project option and course-only option students. Prerequisite: approval of faculty member who will supervise the problem.

Degree Requirements
Master of Science Agriculture Science
Coursework Only Terminal Degree

Semester 1	Semester 2
AGSC 5312	AGSC 5361
3	3
Support Field Elective**	Support Field Elective**
<u>3</u>	<u>3</u>
6	6
Semester 3	Semester 4
AGSC 5363	AGSC 5395
3	3
AGSC 5390*	Support Field Elective**
<u>3</u>	<u>3</u>
6	6
Semester 5	Semester 6
AGSC 5396	AGSC 5367
3	3
Support Field Elective**	AGSC 5390*
<u>3</u>	<u>3</u>
6	6
Total Credit Hours:	
36	

*AGSC 5390 – Chosen from one of four Advanced Special Topic Courses. Requires comprehensive oral exam.

**Supporting Elective Field – Electives from graduate level coursework in a supporting field: (i.e., ANSC, PLSS, HSCI, WSCI, ADED, EDAD, etc.)

Degree Requirements
Master of Science Agriculture Science – Agribusiness
Thesis

Semester 1	Semester 2
STAT 53XX	AGSC 5306
3	3
ACCT Elective**	AGSC Elective*
3	3
RAMT Elective**	FINC Elective**
<u>3</u>	<u>3</u>
9	9
Semester 3	Semester 4
AGSC 5399	AGSC 5306**
3	<u>3</u>
Free Elective**	3
3	
ISYS Elective**	
<u>3</u>	
9	
Total Credit Hours:	
30	

*AGSC Elective – Electives from graduate level courses in agricultural science-agribusiness.

**Free Elective – Electives from graduate level coursework in geography/GIS, animal science, range and wildlife science, plant and soil science, ranch management, accounting, finance, management, marketing and business administration.

***AGSC 5306 – requires completion of a thesis and oral examination.

Degree Requirements
Master of Science Agriculture Science – Agribusiness
Graduate Project

Semester 1		Semester 2	
STAT 53XX	3	AGSC Elective*	3
ACCT Elective**	3	FINC Elective**	3
RAMT Elective**	<u>3</u>	Free Elective**	<u>3</u>
	9		9
 Semester 3		 Semester 4	
AGSC 5399	3	AGSC 5305***	3
GEOG/GIS Elective**	3	AGSC 5399	3
ISYS Elective**	<u>3</u>	Free Elective**	<u>3</u>
	9		9
		Total Credit Hours:	36

*AGSC Elective – Electives from graduate level coursework in agricultural science-agribusiness.

**Free Elective – Electives from graduate level coursework in geography/GIS, animal science, range and wildlife science, plant and soil science, ranch management, accounting, finance, management, marketing and business administration.

***AGSC 5305 – Requires completion of a graduate research project write-up and oral examination.

Degree Requirements
Master of Science Agriculture Science – Agribusiness
Coursework Only Terminal Degree

Semester 1		Semester 2	
STAT 53XX	3	AGSC Elective*	3
ACCT Elective**	3	FINC Elective**	3
RAMT Elective**	<u>3</u>	Free Elective**	<u>3</u>
	9		9
 Semester 3		 Semester 4	
Free Elective**	3	AGSC 5399**	3
GEOG/GIS Elective**	3	AGSC Elective*	3
ISYS Elective**	<u>3</u>	Free Elective**	<u>3</u>
	9		9
		Total Credit Hours:	36

*AGSC Elective – Electives from graduate level coursework in agricultural science-agribusiness.

**Free Elective – Electives from graduate level coursework in geography/GIS, animal science, range and wildlife science, plant and soil science, ranch management, accounting, finance, management, marketing and business administration.

***AGSC 5399 – Requires completion of a comprehensive written and oral examination.

**Degree Requirements
Master of Science
Plant and Soil Science
Thesis**

Semester 1		Semester 2	
STAT 53XX	3	PLSS 5306	3
Free Elective*	3	STAT 53XX	3
PLSS Elective**	<u>3</u>	PLSS Elective**	<u>3</u>
	9		9
 Semester 3		 Semester 4	
PLSS 5399	3	PLSS 5306**	<u>3</u>
Free Elective*	3		3
PLSS Elective**	<u>3</u>		
	9		
Total Credit Hours:			30

*Free Elective – Electives from graduate level coursework in geography/GIS, animal science, agriculture science, range and wildlife science, agribusiness, environmental engineering, chemistry and biology.

**PLSS Elective – Electives from graduate level coursework in plant and soil science.

***Requires thesis defense and oral comprehensive exam to graduate thesis committee.

**Degree Requirements
Master of Science
Plant and Soil Science
Graduate Project**

Semester 1		Semester 2	
STAT 53XX	3	Free Elective*	3
GEOG/GIS Elective*	3	PLSS Elective**	3
PLSS Elective**	<u>3</u>	PLSS Elective**	<u>3</u>
	9		9
 Semester 3		 Semester 4	
PLSS 5399	3	PLSS 5305***	3
PLSS Elective**	3	PLSS 5399	3
PLSS Elective**	<u>3</u>	PLSS Elective**	<u>3</u>
	9		9
Total Credit Hours:			36

**Free Elective – Electives from graduate level coursework in geography/GIS, animal science, agriculture science, range and wildlife science, agribusiness, environmental engineering, chemistry and biology.

**PLSS Elective – Electives from graduate level coursework in plant and soil science.

***PLSS 5305 – Requires completion of a graduate research project write-up and oral examination.

**Degree Requirements
Master of Science
Plant and Soil Science
Coursework Only Terminal Degree**

Semester 1	Semester 2
STAT 53XX	Free Elective*
3	3
GIS Based 53XX	PLSS Elective**
3	3
PLSS Elective**	PLSS Elective**
<u>3</u>	<u>3</u>
9	9
Semester 3	Semester 4
Free Elective**	AGSC 5395
3	3
PLSS Elective**	Free Elective**
3	3
PLSS Elective**	PLSS Elective**
<u>3</u>	<u>3</u>
9	9
	Total Credit Hours:
	36

*PLSS Elective – Electives from graduate level coursework in plant and soil science.

**Free Elective – Electives from graduate level coursework in geography/GIS, animal science, agriculture science, range and wildlife science, agribusiness, environmental engineering, chemistry and biology.

***PLSS 5395 – Requires completion of a final comprehensive written exam and oral on PLSS courses.

DEPARTMENT OF ANIMAL, RANGELAND AND WILDLIFE SCIENCES

William P. Kuvlesky, Jr., *Graduate Coordinator*

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Graduate Faculty: Bart M. Ballard, Leonard A. Brennan, Frederick C. Bryant, April Conkey, Charles A. DeYoung, Randall W. DeYoung, Alan M. Fedynich, Timothy E. Fulbright, Michelle R. Garcia, Scott E. Henke, Fidel Hernandez, David G. Hewitt, William P. Kuvlesky, Jr., Steven D. Lukefahr, Kimberly C. McCuiston, J. Alfonso Ortega-Santos, Humberto L. Perotto, G. Allen Rasmussen, Sandra Rideout-Hanzak, Randy L. Stanko, Michael E. Tewes, Dave B. Wester

Associate Member: Natasha Bell, Eric Grahmann, Clayton Hilton, Tanner Machado

The Department of Animal, Rangeland and Wildlife Sciences offers Master of Science degrees in Animal Science and Range and Wildlife Management. The department also offers the Doctor of Philosophy in Wildlife Science.

Research projects in Animal Science have involved, but are not limited to, nutrition, reproduction, physiology/endocrinology, meat sciences, muscle biology, molecular biology, grazing and forage systems, intensive and small-scale animal production systems and/or sustainability, international animal agriculture and quantitative genetics.

Research projects in Wildlife Science have involved a variety of topics on game and nongame wildlife, habitat management, disease issues, natural history and basic theoretical aspects of wildlife ecology and management. Faculty from the Caesar Kleberg Wildlife Research Institute are recognized internationally for their contributions to natural resource management.

Potential graduate students are advised to write the department for current information on program and opportunities. The thesis must be completed within seven consecutive years of initial registration. Students seeking the thesis option leading to a Master of Science degree should expect to take a minimum of 30 hours of coursework (24 hours of formal courses plus one section of 5306 for the completion of the proposal and a 2nd section of 5306 upon the completion of the thesis.). Students seeking a MS degree in Range and Wildlife must satisfactorily complete a minimum of 2 statistic courses as part of their formal coursework. Only two Special Problems courses (WSC1 6395) can be counted toward formal course work leading to a MS or PhD degree in Range and Wildlife Sciences. A non-thesis option for a MS degree can be earned by students in Animal Sciences graduate program with successful completion of a minimum of 36 hours of formal course work. Students must obtain an approved degree plan from their academic advisor prior to courses being accepted toward their degree. Students who received a graduate stipend are expected to be enrolled as a full-time student each semester. Research hours (5399 or 6999) can be taken to fulfill the obligation of being a full-time graduate students; however, research hours do not count toward formal course work hours.

ANIMAL SCIENCE (ANSC)

5305. Graduate Research Project.

3

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis.

3

Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5307. Physiology of Mammalian Reproduction.

3(3-0)

Comprehensive in-depth study of reproductive physiology and endocrinology with primary emphasis on domestic and laboratory animals. Prerequisites: ANSC 3313/BIOL 3408 or equivalent, and 9 semester hours of chemistry/biochemistry.

5333. Mammalian Endocrinology. 3(3-0)
Survey of the endocrine system including endocrine glands and hormones that regulate energy metabolism, water and electrolyte balance, growth and reproduction. Prerequisites: ANSC 4303 or equivalent and 9 semester hours of chemistry/biochemistry.

5335. International Animal Agriculture. 3(3-0)
Students will acquire practical knowledge on international trends and developments in animal agriculture production, on small livestock as an increasingly important global source of food and on how to design and execute projects targeted at the rural poor.

5336. Environmental Physiology of Animals. 3(3-0)
Principles of domestic animal and wildlife adaptation to tropical and sub-tropical environments. Areas of emphasis will include bioclimatology, physiological temperature regulation mechanisms and nutritional, reproductive and genetic adaptation. Prerequisite: ANSC 4303 or equivalent.

5337. Ruminant Nutrition and Physiology. 3(3-0)
Anatomy, physiology, microbiology and nutrient metabolism of the rumen. Prerequisites: ANSC 4307 and CHEM 2421 or equivalents.

5338. Monogastric Nutrition. 3(3-0)
Digestion and absorption of nutrients in monogastrics to include human, poultry and swine. Emphasis on vitamin and trace mineral nutrition. Prerequisites: ANSC 4307 and CHEM 2421 or equivalents.

5351. Advanced Range Livestock Production. 3(3-0)
Interdisciplinary course studying modern beef cattle production, breeding genetics, reproductive physiology, nutrition and economics.

5390. Advanced Studies in Animal Science. 3
Material offered is determined by the needs of the students. Laboratory and lecture vary according to the subject needs. May be repeated once under a different topic.

5395. Advanced Problems in Animal Science. V:1-3
Independent work that may include a laboratory or field problem. Variable credit dependent upon the problem; may be repeated for a total of 6 semester hours. Prerequisite: approval of a faculty member who will supervise the problem.

5399. Research Topics. V:1-9
This course is specifically designed for thesis option students. Required during the research, data analysis, and initial writing stage. Grading for the course will be S for satisfactory and U for unsatisfactory.

RANGE AND WILDLIFE MANAGEMENT (RWSC)

Graduate students in Range and Wildlife Management may take Ph.D. courses for graduate credit. These courses are listed under *Doctoral Programs in Agriculture* later in this catalog.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5390. Advanced Studies in Range and Wildlife Management. V:1-3
Material offered will be determined by the needs of the students. Laboratory and lecture will vary according to the subject needs. May be repeated under a different topic.

5399. Research Topics.

V:1-9

This course is specifically designed for thesis option students. Required during the research, data analysis, and initial writing stage. Grading for the course will be S for satisfactory or U for unsatisfactory.

HUMAN SCIENCES PROGRAMS

DEPARTMENT OF HUMAN SCIENCES

William P. Kuvlesky, Jr., *Graduate Coordinator*

Support Services Building Room 116. MSC 156. Extension 2307. william.kuvlesky@tamuk.edu

Graduate Faculty: Farzad Deyhim, Timothy Oblad, Kathleen Rees

Associate Member: Seung Bong Ko, Yi Li

The Master of Science in Human Sciences Degree provides advanced study in selected conceptual areas and is designed to enhance knowledge and skills of human sciences professionals employed in teaching, AgriLife Extension, nutrition/dietetics, human services and administration. Full admission to the program requires a baccalaureate degree from an accredited university or college with adequate course work in the field of interest, an undergraduate grade point average of 3.0 or better on a 4.0 scale, and a score of at least 290 (verbal plus quantitative) on the GRE Aptitude Test. A student must be accepted by a graduate faculty member who agrees to guide the student's program and serve as the student's major advisor. A student whose bachelor's degree is not in a human sciences specialization may be required to complete a qualifying examination, and the student also may be required to complete undergraduate courses (or stem work). The student's advisory committee will make recommendations and approve supporting course work in other areas when appropriate. With approval, students may transfer up to 6 hours of graduate work from another accredited university.

Students have the option of completing a Thesis Option program, Research Project Option program, or a courses only program. The thesis program requires satisfactory completion of a minimum of 30 credit hours of graduate work, including 6 credit hours of thesis. The research project program require satisfactory completion of a minimum of 36 credit hours of graduate work, including a 3 credit hour graduate research project course that results in preparation of a research paper shorter than a thesis. The courses only program requires satisfactory completion of a minimum of 36 credit hours of graduate work. All students, whether completing Thesis option, Research Project option or courses only option, must satisfactorily complete 3 semester hours of graduate level statistics and 3 semester hours of graduate level research methods. With approval of the graduate advisor, students may select graduate hours from a supportive area to augment their degree program, depending upon their academic and career goals. Supporting subject matter fields may include (but are not limited to) psychology, sociology, business administration, adult education, counseling and guidance, educational administration and instructional technology.

The Dietetic Internship is accredited by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, phone (312) 899-0040, extension 5500. Students who have a four-year degree and a verification statement from a Didactic Program in Dietetics (DPD) can apply to the Texas A&M University-Kingsville DI/MS program. Applicants with a master's degree can be accepted into the internship.

Interns accepted into the program must demonstrate commitment to completing a master's degree. Preference will be given to applicants who express the goal of obtaining a Master of Science in Human Sciences at Texas A&M University-Kingsville and a desire to work in South Texas after graduating. The Dietetic Internship Program provides 18 graduate credit hours that may be applied toward completion of the Master of Science in Human Sciences at the discretion of the graduate committee. For additional information regarding the Dietetic Internship/Master of Science in Human Sciences Program please contact the Dietetic Internship Director, Department of Human Sciences, Texas A&M University-Kingsville, 700 University Blvd., MSC 168, Kingsville, TX 78363; phone 361/593-2211.

Texas A&M University-Kingsville Dietetic Internship (DI) Program participates in the D&D Digital Online Dietetics Internship Matching Service for the Academy of Nutrition and Dietetics. Students seeking admission to the A&M-Kingsville DI program are required to submit materials for matching to D&D by the specified deadline. D&D can be accessed at the following website: <http://www.dnddigital.com>. Acceptance into the Dietetic Internship Program is based on a department review and ranking of candidates' qualifications.

HUMAN SCIENCES (HSCI)

- 5305. Graduate Research Project.** 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5310. Problems in Human Sciences.** V:1-3
Guided independent study in one of the program areas in human sciences. Prerequisite: consent of department chair.
- 5312. Administration and Supervision of Human Sciences Programs.** 3(3-0)
Practices and procedures in administration and supervision of human sciences programs; identification of performance standards; exploration of theories of leadership; appraisal of individual growth and achievement in all subject areas of human sciences; study of state and federal laws affecting human sciences programs.
- 5313. Curriculum Development in Human Sciences.** 3(3-0)
Philosophy and curriculum development in human sciences programs, including, but not limited to, postsecondary and adult education, nursery and pre-school education, secondary education (including junior high and middle schools) and community education.
- 5320. Theories of Human Development.** 3(3-0)
Examination of theories and research related to human development from birth through the life span, within a family context. Emphasis on physical, social, emotional, cognitive and psychological growth with attention given to the development of personal and interpersonal competency.
- 5321. Family Life Education.** 3(3-0)
General philosophy and broad principles of family life and parenthood education, emphasizing planning, developing, implementing and evaluating such programs.
- 5322. Socioeconomic Problems of Families.** 3(3-0)
Survey of the interrelationship of social and economic forces impacting the quality of life of families. Concepts covered include divorce, unemployment, work/family responsibilities, child care, elder care.
- 5323. Aging and the Family.** 3(3-0)
An examination of family kinship patterns in later life; relationships with spouse, adult children and siblings. Emphasis on the enhancement of development and family life in later years. Concepts include intergenerational issues, independence, alternative living arrangements.
- 5350. Issues in Food and Nutrition Science.** 3(3-0)
Current trends and issues in human nutrition, focusing on interrelationships of nutrients in metabolism and their impact on health.
- 5351. Nutrition and Aging.** 3(3-0)
Study of the aging process and physiological changes with implications for food intake and utilization of nutrients.
- 5352. Nutritional Care Management I.** 3(3-0)
Advanced medical nutrition therapy. Includes principles and practical application of medical nutrition therapy and delivery of services to clientele with common and complex medical conditions. Topics include principles of diseases; development of care plans; enteral/parenteral nutrition, issues and formularies; principles of counseling; and menu writing. Prerequisite: enrollment in Dietetic Internship Program.
- 5353. Nutritional Care Management II.** 3(3-0)
Systems management of clinical and community nutrition services. Topics include leadership versus management; managed care; critical care pathways; outcomes research; grant writing; marketing and media; administrative

proposals; business plans; and nutrition education of clientele with low-literacy skills. Prerequisite: enrollment in Dietetic Internship Program or permission of instructor.

5390. Advanced Topics in Human Sciences.

3(3-0)

Detailed study of one or more specific sub-disciplines of human sciences. Course may be repeated for credit when topic changes.

5650. Practicum in Nutritional Care Management I and II.

V:3-6

Practical experience in applying nutritional care management principles in clinical, community and foodservice settings. Part-time Dietetic Internship students take 3 hours per semester; full-time students take 6 hours per semester. Students must complete a total of 12 graduate hours in HSCI 5650.

MASTER'S PROGRAMS IN ARTS AND SCIENCES

The College of Arts and Sciences offers graduate programs with a major in Biology, Chemistry, Communication Sciences and Disorders, Cultural Studies, History and Politics, Music Psychology, and Sociology. Supporting fields and resource areas are available in all these fields as well as in Communications and Theatre Arts, French, Physics, Spanish and Statistics (described under Mathematics).

DEPARTMENT OF ART, COMMUNICATIONS AND THEATRE

Charles Wissinger, *Graduate Coordinator (Art)*
Bailey Art Building 100. MSC 157. Extension 2621.

Graduate Faculty: Santa C. Barraza

Associate Members: Todd Lucas

The Department of Art, Communications and Theatre offers a supporting field for graduate majors. The student may have a supporting field in communications/journalism, communications/speech or theatre arts. An interdisciplinary supporting field among these areas is possible with permission of the department chair.

ART (ARTS)

5300. Graduate Drawing. 3(2-4)
The development and execution of advanced problems in drawing. May be repeated for credit. Studio fee, \$20.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5310. Graduate Painting. 3(2-4)
The development and execution of advanced problems in painting. May be repeated for credit. Studio fee, \$20.

5320. Graduate Sculpture. 3(2-4)
The development and execution of advanced problems in sculpture. May be repeated for credit. Studio fee, \$20.

5330. Graduate Printmaking. 3(2-4)
The development and execution of advanced problems in printmaking. May be repeated for credit. Studio fee, \$20.

5335. Art in History. 3(3-0)
In-depth study of art as it has appeared in historical cultures.

5336. Contemporary Art. 3(3-0)
In-depth study of art as it appears in contemporary culture.

5340. Graduate Ceramics. 3(2-4)
The development and execution of advanced problems in ceramics. May be repeated for credit. Studio fee, \$20.

JOURNALISM (COMJ)

5302. Hispanics in the Media. 3(3-0)
Provides historically accurate information about the impact of Spanish-language media in the United States and develops appreciation for diversity and knowledge of Latino subcultures of the United States.

5303. Selected Topics in Mass Communication. 3(3-0)
Weekly reports and individual research papers. The course may be repeated once for credit when the topic changes.

5304. Mass Communications Research. 3(3-0)
Systematic study of mass communication/journalism research and how to answer questions about the mass media. Quantitative and qualitative methods of research and research terminology.

5310. Advanced Advertising/Marketing. 3(3-0)
Experience with professional presentations to national and international clients. Prepares students for the American Advertising Federation's National Student Advertising Competition.

5320. Advanced Public Relations/Crisis Management. 3(3-0)
Public relations, crisis management, reaching major audiences, emergency communications and problem solving. Theoretical basis for public relations; relevant laws and ethical principles.

SPEECH (COMS)

5301. Studies in Public Speaking. 3(3-0)
This course may be repeated under three different presentations: (1) Rhetorical Theory and Criticism; (2) Classical Oratory; (3) General Semantics.

5303. Research in Speech and Theatre Arts. 3(3-0)
To familiarize the graduate student with the courses or tools of research in the fields of speech and drama, their value and limitations and their proper use in graduate study. The course will enable the student to undertake independent research in the fields of speech and drama.

THEATRE ARTS (THEA)

5315. Advanced Studies in Theatre Arts. 3(3-0)
Studies in such areas of theatre arts as dramatic procedure, translation and theory. May be repeated once for credit as topics change.

DEPARTMENT OF BIOLOGICAL AND HEALTH SCIENCES

Weimin Xi, *Graduate Coordinator*

Kleberg Hall 118C. MSC 158. Extension 2758. weimin.xi@tamuk.edu

Graduate Faculty: Jon A. Baskin, Rudolph Bohm, Cynthia M. Galloway, Enrique Massa, Rafael Perez-Ballestero, Glenn H. Perrigo, Randy Powell, Manuel A. Soto, Chang Sung, Weimin Xi

Associate Members: Haeyoung Kim, Richard Laughlin, Maria E. Velez, Fang He

BIOLOGY (BIOL)

The Department of Biological and Health Sciences offers a Master of Science degree in Biology. The Thesis option is research-oriented and requires completion of a thesis. This program is for students who plan to pursue a Ph.D. or who want research experience. The Research Project option is content-oriented, and a shorter research problem is required. This program is for those needing more background in formal course work. The prerequisites for full admission are a grade point average of 3.0 on a 4.0 scale and a Graduate Record Examination (quantitative plus verbal) score of 294. Additional information is provided in the *Biology Graduate Handbook*, which may be obtained from the Graduate Coordinator or Department Chair.

A variety of research projects are available: a student can select a field or a laboratory oriented project. Fiscal support for qualified graduate students is available through scholarships, research assistantships and teaching assistantships. Many research projects are funded through federal and private sources.

5102. Research Problems I. 1(1-0)
Individual problems assigned, defined and supervised by a Biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of

professional caliber.

5104. Graduate Seminar. 1(1-0)
An advanced study of biological literature and research with critical class reports. May be taken four times for credit.

5202. Research Problems II. 2(2-0)
Individual problems assigned, defined and supervised by a biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber.

5302. Advanced Topics in Biology. 3(3-0)
Lectures in selected topics. May be repeated for credit once under a different topic. Prerequisites: 12 semester hours of biology or equivalent.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5316. Advanced Biological Concepts. 3(3-0)
A study of traditional biological phenomena using modern research techniques. Cell, organismal and population biology will be analyzed with an emphasis on molecular and evolutionary concepts. Prerequisite: graduate standing in biology.

5320. Research Problems III. 3(3-0)
Individual problems assigned, defined and supervised by a biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber.

5401. Molecular Biology. 4(3-3)
Modern concepts and lab techniques in molecular biology. Fundamental principles and important new processes in the use of molecular techniques to address biological problems. The laboratory portion will introduce basic and advanced molecular techniques. Prerequisite: graduate standing in the sciences, agriculture or engineering.

5402. Advanced Topics in Biology. 4(3-4)
Lectures, literature, investigation and research at the graduate level in selected advanced topics. May be repeated for credit under different topics.

DEPARTMENT OF CHEMISTRY

Saijid Bashir, *Graduate Coordinator*

Nierman Science Hall 108A. MSC 161. Extension 4253.

Graduate Faculty: Sajid Bashir, Apurba Bhattacharya, Mauro Castro, Xiaoliu Chi, Maribel Gonzalez-Garcia, Christine Hahn, Jingbo Liu, Elda Sanchez

Associate Member: Kevin Francis

The Department of Chemistry offers a Master of Science degree. Requirements for admission are (a) a grade point average of 3.0 on a 4.0 scale and a satisfactory score on the GRE Aptitude Test; (b) 20 hours of approved undergraduate chemistry, including 12 advanced; (c) 8 hours of approved physics and 6 hours of calculus. Students not satisfying these requirements may be admitted conditionally. The department, in examining the applicant's prerequisites, may accept equivalent hours or require additional work. An entering graduate student is normally subjected to four placement examinations in organic, inorganic, analytical and physical chemistry that are used for advising the student's beginning course work.

Core Courses. All Chemistry MS students (except the Biochemistry Track) are required to show proficiency by taking at least four out of the following five Core areas of Chemistry, namely Organic, Inorganic, Analytical, Physical and Bio Chemistry.

5323. Advanced Organic Chemistry

5303. Advanced Analytical Chemistry [or 5301. Advanced Chemical Instruments]

5341. Biochemical Analysis of Proteins [or 5342. Biochemical Analysis of Gene Expression]

5331. Advanced Physical Chemistry

5311. Structural Inorganic Chemistry

CHEMISTRY (CHEM)

5130. Graduate Chemistry Seminar.

1(1-0)

Provides an understanding of the experimental procedures used by authors, helps students develop a critical mind when reading scientific papers and provides them with practice in presenting research work in front of an audience. This training is essential for the education of master's and doctoral students. May be repeated for a total of 3 SCHs. Prerequisites: CHEM 3125, CHEM 3325.

5301. Chemical Instruments, Advanced.

3(2-4)

Principles and practices in design of instruments for research, analysis and process control. Prerequisite: CHEM 4401.

5303. Advanced Analytical Chemistry.

3(3-0)

An advanced survey of principles of chemical analysis with emphasis on newer developments in the field of analytical chemistry. Prerequisite: CHEM 4401.

5305. Project Research.

3

Designed for students on a project research degree plan. Requires completion of a research project within one semester of research activity. Prerequisite: Departmental approval.

5306. Thesis Research.

3

Designed for students on a thesis research degree plan. Requires completion of thesis project in two semesters of research activity. Prerequisite: Departmental approval. May be repeated for a maximum of 6 semester hours.

5308. Methods in Chemical/Biochemical Analysis.

3(3-0)

The use of advanced synchronous x-ray, Raman and mass spectrometry for surface-profiling and depth-profiling of chemical and biochemical materials, material-air/solution interface. Prerequisite: CHEM 4401 or equivalent measurement, spectroscopy or analytical course.

5311. Structural Inorganic Chemistry. 3(3-0)
The structure of inorganic compounds, especially complex compounds and theories that account for the structure and other properties on the basis of bonding. Prerequisite: CHEM 4311.

5313. Chemistry and Nanoscience. 3(3-0)
Chemical concepts related to nanoscience. Selected topics include chemical, optical, electronic, and magnetic interactions produced by nanomaterials, the relationship between microstructural scale and its include on physical mechanism, and appropriate applications such as solar devices, fuel cells or biomedical agents. Prerequisite: Department approval.

5323. Advanced Organic Chemistry. 3(3-0)
An advanced treatment of organic chemistry including a study of both cyclic and acyclic compounds. Prerequisites: CHEM 3323/3133 and CHEM 3325/3125.

5324. Designing Organic Syntheses. 3(3-0)
A one-semester course that reviews the syntheses of increasingly complex molecules and the retrosynthetic strategies used to develop the synthetic schemes. Required development of a synthetic plan for a structure taken from the recent literature. Prerequisites: CHEM 3325, CHEM 5323.

5325. The Chemistry of Natural Products. 3(3-0)
A one-semester course that provides an introduction to the broad field of natural products chemistry by reviewing the major classes of natural products in terms of isolation, structure, properties, synthesis and physiological importance where applicable. Prerequisite: CHEM 3325.

5326. Heterocyclic Chemistry. 3(3-0)
A one-semester course that provides an introduction to the broad field of heterocyclic chemistry by reviewing the major classes of heterocyclic compounds in terms of nomenclature, structure, properties, preparations, reactions and physiological importance where applicable. Prerequisite: CHEM 3325.

5327. Advanced Organic Synthesis. 3(3-0)
An in-depth survey of modern synthetic reactions in the areas of carbon-carbon single and double bond formations and cycloaddition reactions. Prerequisites: CHEM 3125, CHEM 3325.

5328. Physical Organic Chemistry. 3(3-0)
A one-semester course that provides an in-depth survey of molecular orbital theory in a thorough and rigorous manner and emphasizes the molecular orbital interpretation of various types of concerted pericyclic reactions. Prerequisites: CHEM 3125, CHEM 3325.

5329. Asymmetric Synthesis. 3(3-0)
An in-depth survey of practical methods for the synthesis of enantiomerically pure organic compounds in agrochemical and pharmaceutical industries and in university research laboratories. Prerequisites: CHEM 3125, CHEM 3325.

5331. Advanced Physical Chemistry. 3(3-0)
Detailed investigation of modern and traditional approaches to the study of chemical reaction rates. Prerequisites: CHEM 3331, CHEM 3332, CHEM 4131, CHEM 4132.

5333. Bioinformatics. 3(3-0)
Computational models of biological systems and mechanisms. Models may use tools and web applications to solve diverse problems, such as protein or nucleic acid structure, function, stability, or evolutionary relationship. Prerequisite: CHEM 3181 or equivalent literature or research methods course.

5341. Biochemical Analysis of Proteins. 3(3-0)
Biochemical study of proteins (methods of protein purification, principles of protein structure and the study of proteins as enzymes). Prerequisite: CHEM 4341.

5342. Biochemical Analysis of Gene Expression. 3(3-0)
Biochemical study of nucleic acids and the expression of genetic information (nucleic acid structures and manipulation, transcription and translation). Prerequisite: CHEM 4341.

5343. Forensic Chemistry. 3(3-0)
Understanding the theory, concepts and application of forensic chemistry to complex problem solving related to crime detection and solving of crime via chemical means, such as use of mass spectrometry, chromatography, and spectroscopy. Prerequisite: CHEM 4401 or equivalent analytical or bioanalytical course.

5351. Environmental Chemistry. 3(3-0)
The advanced study of chemistry as the basis of the environmental regulations for air pollution, water pollution, solid/hazardous wastes, toxic commercial chemical products and employee safety.

5363. Chemical and Morphological Analysis. 3(3-0)
State-of-the-art techniques commonly employed in modern materials characterization. Aspects covered related to characterization, structure and chemical analysis of materials. Techniques include microscopy, spectroscopy and X-ray diffractions. Prerequisite: Departmental Approval.

5365. Graduate Research. 3(3-0)
Individual research problems defined and supervised by a Department of Chemistry graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber. Prerequisite: Department approval and completion of appropriate safety courses, as defined by research mentor. May be repeated; no more than 6 hours may be counted towards one degree.

5412. Special Topics in Chemistry. V:1-4
A detailed study of special areas of chemistry featuring current advances and trends. Course may be repeated for credit when topics are different. A laboratory may or may not be offered.

DEPARTMENT OF CLINICAL HEALTH SCIENCES COMMUNICATION SCIENCES AND DISORDERS (CSDO)

Eric Swartz, *Graduate Coordinator*
Manning Hall 178. MSC 177A. Extension 4937.

Graduate Faculty: Angel Ball, Thomas A. Fields, Stephen D. Oller, Alan L. Seitel, Christine Fiestas, Maura Krestar, L. Odette Gonzalez

The Master of Science in Communication Sciences and Disorders is offered by the Department of Clinical Health Sciences. The degree is clinically oriented and is designed to prepare students to be Speech Language Pathologists working in hospitals, clinics, nursing homes, and schools. The program meets the clinical requirements for state licensure as a Speech Language Pathologist and for the Certificate of Clinical Competence in Speech Language Pathology from the American Speech-Language-Hearing Association. The program is fully accredited by the Council on Academic Accreditation in Communication Sciences and Disorders.

Students who wish to enroll in the Graduate Program in Communication Sciences and Disorders (CSDO) must present evidence of completion of an undergraduate major in Speech-Language Pathology or completion of all undergraduate courses required of an undergraduate major in Speech-Language Pathology. Also, a basic course in statistics, chemistry or physics, math, psychology, and biology are required. The GRE score and overall GPA and CSDO GPA are part of the evaluation for admission to the graduate program.

The M.S. in Communication Sciences and Disorders is offered with a Thesis or Research Project option. A minimum of 375 clock hours of clinical practice, 325 of which must be on the graduate level, and 25 hours of guided clinical observation are required. Prior to graduation, the student must show evidence of a passing score on the national Praxis examination in Speech-Language Pathology.

Students may be required to obtain a Criminal Background Check (CBC) either as part of the admissions process or prior to placement in certain externship sites. Students should also be advised that the Texas Department of Licensing may deny a license to an applicant because of conviction for a felony or misdemeanor if the crime directly relates to the professional duties of a speech-language pathologist or audiologist.

5301. Research in Communication Sciences and Disorders. 3(3-0)

Major methods of research used in the various areas of communication sciences and disorders. Each student is responsible for the successful completion of a research project. Prerequisite: PSYC 3381; permission of instructor/graduate standing.

5303. Motor Speech Disorders. 3(3-0)

Disorders of speech with a neuromuscular basis found in children and adults, including motor-based articulation disorders, stuttering, voice disorders, the dysarthria and cerebral palsy. Prerequisite: permission of instructor/graduate standing.

5305. Graduate Research Project. 3

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3

Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5307. Diagnostics. 3(3-0)

Advanced study of diagnostic techniques and specific testing instruments utilized in the evaluation of communication disorders. Prerequisite: permission of instructor and completion of a minimum of 25 observation hours.

5308. Neurolanguage and Cognitive Disorders. 3(3-0)

Etiology, symptomatology, assessment and therapeutic techniques for effective treatment of neurologically based language and cognitive disorders including aphasia, right hemisphere disorders and dementia. Prerequisite: permission of instructor/graduate standing.

5309. Fluency Disorders. 3(3-0)

The study of various theories, research findings, rationales and methodologies for evaluation and treatment of dysfluency in children and adults. Prerequisite: permission of instructor/graduate standing.

5311. Graduate Clinical Practicum. 3(3-0)

Supervised clinical experience with individuals with communication impairments for novice clinicians who have 0-12 hours of graduate level clinical experience. Application of diagnostic, prescriptive and therapeutic techniques. Enrollment required for on-campus practicum. Prerequisites: permission of instructor/graduate standing and completion or ongoing collection of a minimum of 25 observation hours. Credit/Noncredit.

5312. Contemporary Issues. 3(3-0)

Examination of current issues and trends. Topics to be announced on a semester basis. May be repeated for credit once if topic changes. Prerequisite: permission of instructor.

5314. Aural Rehabilitation/Habilitation. 3(3-0)

Effects of hearing impairment. Hearing aids and assistive devices as integrated into a treatment program including speech reading and auditory training. Prerequisite: CSDO 3313; permission of instructor.

5315. Advanced Audiology. 3(3-0)

Advanced audiological concepts and their applicability to instrumentation and educational procedures utilized in the habilitation and/or rehabilitation of the hearing impaired. Includes discussions of Central Auditory Processing Disorders, testing special populations, use and selection of assistive listening devices and advanced practicum techniques. Prerequisite: CSDO 5314; permission of instructor.

- 5316. Dysphagia.** 3(3-0)
The study of oral-pharyngeal swallowing disorders, including anatomical and physiological basis for swallowing disorders, assessment and treatment. Prerequisite: permission of instructor.
- 5317. Advanced Clinical Practicum.** 3(3-0)
Supervised clinical experience with individuals with communication impairments for beginning clinicians that have 13-25 hours of graduate level clinical experience. Application of diagnostic, prescriptive and therapeutic techniques. Enrollment required for on-campus practicum. Prerequisites: permission of instructor/graduate standing, completion of a minimum of 25 observation hours, CSDO 5311. Credit/Noncredit.
- 5318. Articulation and Phonological Disorders.** 3(3-0)
An advanced course in the study of phonology: the sound system of language, including pauses and stress. Prerequisite: permission of instructor.
- 5320. Child Language Disorders.** 3(3-0)
Advanced study in the assessment of, and intervention for, childhood language disorders. Prerequisite: permission of instructor.
- 5322. Neuroscience in Communication Disorders.** 3(3-0)
The study of neuroanatomy and neurophysiology and its relation to speech, language, hearing and their disorders. Prerequisite: permission of instructor.
- 5324. Independent Study in Communication Sciences and Disorders.** V:1-3
Individual study of specific problems in speech-language pathology. Attention to individual needs of the student. This course is repeatable for credit and can be taught by different faculty covering different topics. Prerequisite: permission of instructor. Credit/Noncredit.
- 5326. Advanced Clinical Methods.** 3(3-0)
Clinical techniques and strategies for teaching appropriate communicative behaviors. Specific therapy techniques for a wide range of communication disorders.
- 5328. Beginning Practicum Externship.** 3(3-0)
Field placement. Assessment and management of clients with speech, language and hearing disorders for graduate students with no previous experience. Location will be at an externship site under supervision of ASHA certified supervisors. Prerequisites: 3.0 graduate GPA, completion of 50 on-campus clinical contact hours and permission of instructor. Credit/Noncredit.
- 5329. Advanced Practicum Externship.** 3(3-0)
Advanced field placement for students with at least 150 hours of supervised clinical practice at the TAMU-K clinic and at least one external practicum site affiliated with TAMU-K. Students will plan and perform assessments and clinical management of patients or clients (site dependent) with communication disorders under the supervision of ASHA certified supervisors. Prerequisites: 3.0 graduate GPA, successful completion of CSDO 5328, completion of 150 clinical contact hours and permission of the instructor. Credit/Noncredit.
- 5330. Bilingual/Bicultural Issues in Communication Sciences and Disorders.** 3(3-0)
Study of current theories of bilingual/bicultural speech-language acquisition, differences and disorders/deficits. Assessment techniques and intervention strategies for detection of disorders/deficits in bilingual/bicultural individuals. Prerequisites: permission of instructor/graduate standing.
- 5405. Aural Rehabilitation and Advanced Audiology.** 4(4-0)
Effects of hearing impairment. Advanced audiological concepts and their applicability to instrumentation and educational procedures used in the rehabilitation of the hearing impaired. Discussions of central auditory processing disorders, testing special populations, use and selection of hearing aids and assistive listening devices, hearing aids, speech-reading and auditory training

5410. Voice and Resonance Disorders.

4(4-0)

The study of the etiology, diagnosis and treatment of disorders of voice and resonance. Prerequisite: permission of instructor/graduate standing.

**These three courses may be repeated; any two or all three can be taken simultaneously so that from 1 to 6 semester hours total credit can be carried per semester in Research Problems. A maximum of 3 semester hours may be accumulated toward the minimum hours for graduation. See thesis options for limitations.*

SOCIAL WORK (SCWK)

Robert Villa, *MSW Program Director and Graduate Coordinator*
Manning Hall 155. MSC 177. Extension 4750.

Graduate Faculty: Mariah A. Boone, Dolores Guerrero, So’Nia Gilkey, Steven H. Tallant, Robert Villa, Teresa H. Young

The Master of Social Work (MSW) with a concentration in Clinical/Activist Social Work is offered by the Social Work program in the Department of Clinical Health Sciences. The MSW degree program requires 60 credits (regular track) for those without a BSW. degree accredited by the Council on Social Work Education, and 30 credits (advanced standing) for those with a BSW degree accredited by the Council on Social Work Education. Regular track students take the foundation year of content, followed by the Clinical/Activist concentration year, where they join their advanced standing colleagues who only take the concentration year of content in Clinical/Activist Social Work.

The MSW degree in Social Work with a concentration in Clinical/Activist Social Work is offered as a non-thesis option. A minimum of 1,100 clock hours of field education (supervised practice) is required. The MSW degree program will prepare students to function in a variety of Social Work and/or Social Service settings. Students will be required to obtain a Criminal Background Check prior to placement in a practicum site. The MSW degree program at Texas A&M University-Kingsville is in candidacy for accreditation by the Council on Social Work Education. Upon graduation, students are eligible to sit for the master’s level social work examination in Teas; however, students should be advised that it is their responsibility to check with their particular state concerning their eligibility to sit for the master’s level licensing examination, as such requirements may vary by state.

Students who wish to enroll in the MSW program with a concentration in Clinical/Activist Social Work must present evidence of successful completion of undergraduate courses or their equivalent in human biology (3 credits), introduction to psychology (3 credits), introduction to sociology (3 credits), and statistics (3 credits). The BSW degree or credits in social work is not required to pursue graduate study in social work for the two year program; but is required for the Advanced Standing program. All admitted students are given full admission with stipulations; they must maintain a minimum GPA of 3.0 in their first semester of study to gain full admission without any stipulations.

5215. Applied Clinical/Activist Seminar: Interventions with Military Families/Veterans.

2(2-0)

This applied seminar required students to critically assess and apply clinical intervention strategies focused on the alleviating stress associated with military service and veteran status. Aspects of the military culture essential to know in order to be able to develop a strong therapeutic relationship are presented. Crisis intervention, CBT and other appropriate therapies will be used to address issues of wartime deployment, economic issues, relocation related stress, PTSD, ethnicity, social class, gender orientation, family violence and substance abuse. A rurality paradigm and experiential learning is used to enhance cultural competent practice principles. Students must complete this course with a 3.2 GPA or better.

5220. Clinical/Activist Practice II: “Rurality” Social Work.

2(2-0)

Clinical/Activist Social Workers are prepared for competent practice with the diverse families, groups, organizations, and communities in rural South Texas. Students learn to conceptualize and apply the “Rurality” paradigm to emphasize a way of life that serves to build resiliencies based on spiritual, familial and/or community systems. A GPA of 3.2 is required in order to proceed to the next sequence of required courses.

5225. Applied Clinical/Activist Seminar: Interventions With of Elders. 2(2-0)

In this applied seminar a holistic spiritual life cycle and other developmental theories informing clinical practice with aging populations are presented. Students apply culturally competent methods for interviewing, assessing, diagnosing and intervening with older people, their families, and their informal networks through lectures, case studies/analysis, DSM V, and field research. A rurality paradigm and experiential learning is used to enhance cultural competent practice principles. Students must complete this course with a 3.2 GPA or better.

5230. Applied Clinical/Activist Seminar: Leadership & Supervision. 2(2-0)

This applied seminar uses experiential learning and requires students to apply theories and skills necessary for leadership in community agencies and the issues encountered in supervisory roles. A rurality paradigm is used to enhance cultural competent practice principles with agencies serving the Mexican heritage and rural population of South Texas border environment. Students must complete this course with a 3.2 GPA or better.

5235. Applied Clinical/Activist Seminar: Economic Policy & Program Development. 2(2-0)

Students will apply knowledge and skills necessary for planning, developing and evaluation of sustainable programs. This course uses economic policy to stress the importance of understanding how the economy affects development and provision of social services. A rurality paradigm and experiential learning is used to enhance cultural competent practice principles. Students must complete this course with a 3.2 GPA or better.

5240. Applied Clinical/Activist Seminar: Integrated Field Project. 2(2-0)

The experiential format of this applied seminar focuses on application of critical thinking to the development of a case study using experiences, knowledge, attitudes and skills from field practicum to systematically plan and evaluate interpersonal practice and/or programs for the purpose of informing clinical and programmatic decision-making. Builds upon the foundation research, human behavior, and practice courses, and examines evidence-based methods for conducting assessments; identifying and implementing evidence-based interventions; and measuring and monitoring outcomes for clinical practice and program evaluation. A rurality paradigm and experiential learning is used to enhance cultural competent practice principles. Students must complete this course with a 3.2 GPA or better. Co-requisite: SCWK 5385.

5310. Rural Clinical Social Work Practice: Foundations of Social Work. 3(3-0)

This course uses the history of social work and community agency-based case studies to explore connections the practice behaviors characteristic of social work and understanding of rurality as a paradigm of practice. Social justice issues in relation racism/discrimination based on social class, gender, nationality, ethnicity, religion, and sexual orientation will be presented. Students will demonstrate orally and in writing their mastery of course content and critical thinking skills commensurate with graduate education. A GPA of 3.2 is required in order to proceed to the next sequence of required courses.

5315. Rural Clinical Social Work Practice: Human Behavior in the Social Environment. 3(3-0)

A multidimensional approach to examining the behavior of individuals, families, groups, organizations, communities, and society as a whole. The economic, social, political, and social forces that impact quality of life are examined. Theories and research of human behavior across the life span are critically evaluated as applications are made to rural social work practice. This is a social work theory course where students are introduced to eco-systems as applied to social work practice. Students demonstrate orally and in writing a critical understanding of and application of course materials. Rurality paradigm is used to emphasize the issues related to ethnicity, rural life-style, nationality, social class, gender identity, racism/discrimination, economic and political discrimination are presented with a special focus on Mexican heritage families. A GPA of 3.2 is required in order to proceed to the next sequence of required courses. Co-requisite: SCWK 5310; SCWK 5320; SCWK 5326.

5320. Rural Clinical Social Work Practice: Social Welfare Policy & Advocacy. 3(3-0)

Policy, social policy, welfare policy, and child welfare policy form the foundation of this course. Issues of political ideology/values, social and economic justice and structural/environmental discrimination based on social class, ethnicity, sexual orientation, economic status, and nationality are examined. The role of advocate in rural environments is presented with a special emphasis on rurality paradigm to assess the traditional help seeking behaviors and mutual aid strategies (language) use by the large Mexican heritage population of South Texas border environments. A GPA of 3.2 is required in order to proceed to the next sequence of required courses. Co-requisite: SCWK 5310; SCWK 5315; SCWK 5326.

5326. Rural Clinical Social Work Practice I: Children Youth, Families & Group. 3(3-0)

This is an overview of theory and models of social work intervention with families. Students will learn the theoretical constructs of traditional and emerging models of SW practice with families and develop assessment & intervention skills based on systems perspective of family as the center of focus. The rurality paradigm will be used to emphasize the traditional help seeking behaviors and mutual aid approach to informal service used by rural families; especially the bilingual-bicultural Mexican heritage families living the South Texas border environments. A GPA of 3.2 is required in order to proceed to the next sequence of required courses. Co-requisite: SCWK 5310; SCWK 5315; SCWK 5320.

5330. Rural Clinical Social Work Practice: Populations at Risk. 3(3-0)

This course focuses on issues of diversity, oppression and social justice. It is designed to prepare social work students to be knowledgeable of people's biases based on race, ethnicity, culture, religion, age, sex, sexual orientation, social and economic status, political ideology/values, disability and how these contribute to discrimination and oppression. Students will also learn about the influence of dominate culture on these diverse and marginalized (population at risk) groups. Naturally occurring self-help and therapeutic groups are the focus of this holistic skills based course. A critical study of environmental, social, and economic justice issues that impinge of quality of life and well-being of diverse populations are presented. A GPA of 3.2 is required in order to proceed to the next sequence of required courses.

5335. Rural Clinical Social Work Practice II: Communities & Organizations. 3(3-0)

As a course with foundation content in the Social Welfare Policy, this course focuses on providing an understanding of community as a major element in the rural social environment that influences an individual's development, behavior and use of informal and formal social services. Traditional help seeking behaviors and mutual aid are presented within a rurality paradigm to provide a focus on the large Mexican heritage populations that inhabit the South Texas border environments. A GPA of 3.2 is required in order to proceed to the next sequence of required courses. Prerequisite: SCWK 5310; SCWK 5315; SCWK 5320; SCWK 5326.

5340. Rural Clinical Social Work: Applied Research and Evaluation. 3(3-0)

Principles and methods of measurement, research design and program evaluation in social work. Emphasis is placed on applied methods and practice evaluation to improve practice (single-systems), policy, and social service delivery (process/outcome evaluation) with a focus on rural communities and services. A GPA of 3.2 is required in order to proceed to the next sequence of required courses.

5346. Rural Clinical Social Work: Capstone Seminar. 3(3-0)

This Capstone course in social work, reinforcing students' social work identity, life-long learning, and career development. A writing intensive course requires evidence of critical thinking and application of professional behaviors in relation to the nine CSWE competencies. A major APA format case study is required showing evidence of ability to link course learning to field practicum application. A GPA of 3.2 is required in order to proceed to the next sequence of required courses. Prerequisites: SCWK 5310; SCWK 5315; SCWK 5320; SCWK 5326; SCWK 5340; Co-requisite: SCWK 5356

5350. Rural Clinical Social Work: Field Practicum I. 3(3-0)

First in a sequence of two field practicums. Educationally directed and professional supervised directed service activities providing practical experience in the application of social work values, knowledge, and skills acquired in social work foundation courses to practice with rural and/or Mexican heritage populations of rural South Texas border regions. A minimum of three hundred (300) clock hours of supervised field placement and a weekly one hour seminar are required. A GPA of 3.2 is required in order to proceed to the next sequence of required courses. Prerequisites: permission of the Social Work Program Director and Field Education Coordinator. Co-requisites: SCWK 5310; SCWK 5315; SCWK 5320; SCWK 5326.

5356. Rural Clinical Social Work: Field Practicum II. 3(3-0)

The second in a sequence of two field practicums. Educationally directed and professionally supervised direct service activities builds on skills and practical experience in application of social work values, knowledge, and skills acquired in social work foundation courses. A minimum of three hundred (300) clock hours of supervised field placement including a one hour field seminar per week must be completed with a GPA of 3.2 or better. Prerequisites: SCWK 5350 and permission of the Social Work Field Education Coordinator.

5360. Clinical/Activist Practice I: Children, Youth, Families, & Groups. 3(3-0)

In this advanced clinical practice course, students learn principles and methods for assessment and intervention with children, youth, families, and groups. Competencies include establishing and maintaining a helping relationship, interviewing, contracting and goal setting, treatment planning and implementation. Students are able to apply appropriate interventions at various stages of the therapeutic relationship for various types of clients in a “Rurality” social context. In-class skill practice includes developing rapport, using a strengths perspective, monitoring self-disclosure, reaching for feelings, containing affect, focusing and summarizing. Special attention is given on the use and/or misuse of the DSM V with Mexican heritage and the diverse populations of the South Texas border environments. A GPA of 3.2 is required in order to proceed to the next sequence of required courses. Co-requisite: SCWK 5365.

5364. Applied Clinical/Activist Seminar: Psychopathology & Differential Diagnosis. 3(3-0)

Students will use the DSM V as a required textbook in this class to gain knowledge and skills in applying clinical skills for assessment and diagnosis of mental health issues. Critical assessment of the DSM V and the issues of its use or misuse with the ethnically diverse populations. Issues of language, culture, nationality, gender orientation, and social/economic status and the potential for misdiagnosis is emphasized. Clinical skills for working with Mexican heritage and other rural populations in the focus of this course. A rurality paradigm and experiential learning is used to enhance cultural competent practice principles. Students must complete this course with a 3.2 GPA or better.

5370. Clinical/Activist Practice III: Communities & (Formal/Informal) Services. 3(3-0)

Assessing the community from a holistic rurality paradigm opens up possibilities for culturally competent clinical/activist interventions focused on resiliency, traditional help seeking behaviors, mutual aid groups and community services. This approach builds on the community-centered clinical multi-focused practice method that seeks to strengthen neighborhoods and community institutions while also addressing the personal and interpersonal issues facing members of the community (Austin, Coombs, & Barr 2005). Special focus is placed on Mexican heritage communities, familial help-seeking behaviors, mutual aid, informal support, and social justice issues. Students are required to apply knowledge, values, and skills acquired in class to a case study of a community including informal and formal services. A GPA of 3.2 is required in order to proceed to the next sequence of required courses.

5375. Clinical/Activist Research Methods: Practice/Program Evaluation. 3(3-0)

This course is designed to increase student’s knowledge, values and skills to evaluate their own practice and field practicum agency. Single systems and program evaluation methodology is presented and students demonstrate orally and in writing their competency in the evaluation of their practice strategy using single systems design. As part of the case study design students will further evaluate their field agency using a process and outcome program evaluation design. Case study is graded on conceptual clarity, APA format, Grammar, and on data analysis and findings. A GPA of 3.2 is required in order to proceed to the next sequence of required courses.

5380. Social Work Practicum III: Direct Practice. 3(3-0)

First in a sequence of two advanced standing field practicums. Educationally directed and professionally supervised in an approved social work setting where students are required to demonstrate orally and in writing their competency/practical experience based on the critical evaluation and application of social work competencies (values, knowledge, and skills) acquired in clinical/activist social work courses. A rurality paradigm is used to enhance cultural competent direct practice principles. A minimum of two hundred (200) clock hours of field placement including one hour field seminar per week. Field coordinator and supervisor together with the student negotiate how field practicum hours; including employment settings will be completed. A GPA of 3.2 is required in order to proceed to the next sequence of required courses. Prerequisite: permission from the Field Education Coordinator.

5385. Social Work Practicum IV: In-Direct Practice.

3(3-0)

Educationally directed and professional supervised in-direct service activities providing advanced level of practical experience in the application of social work values, knowledge, and skills acquired in social work courses. A minimum of two hundred (200) clock hours of field placement including one hour field seminar per week. A rurality paradigm is used to enhance cultural competent practice principles. Field coordinator and supervisor together with the student negotiate how field practicum hours; including employment settings will be completed. A GPA of 3.2 of required in order to proceed to the next sequence of required courses. Pre-requisite: permission from the Field Education Coordinator.

**Degree Requirements
Master of Social Work
Regular Track
Foundation Year**

	Summer			
	SCWK 5330	3		
	SCWK 5345	<u>3</u>		
		6		
Semester 1			Semester 2	
SCWK 5310	3		SCWK 5335	3
SCWK 5315	3		SCWK 5320	3
SCWK 5326	3		SCWK 5340	3
SCWK 5350	<u>3</u>		SCWK 5356	<u>3</u>
	12			12

**Master of Social Work
Advanced Standing Track**

Advanced Curriculum: Concentration in Clinical Activist Social Work Summer

	Summer			
	SCWK 5240	2		
	SCWK 5230	<u>2</u>		
		4		
Semester 3			Semester 4	
SCWK 5360	3		SCWK 5370	3
SCWK 5364	3		SCWK 5375	3
SCWK 5220	2		SCWK 5215	2
SCWK 5235	2		SCWK 5225	2
SCWK 5380	<u>3</u>		SCWK 5385	<u>3</u>
	13			13
			Total Credit Hours:	60

DEPARTMENT OF HISTORY, POLITICAL SCIENCE AND PHILOSOPHY

Anders Greenspan, *Graduate Coordinator*
Rhode 301. MSC 166. Extension 3539

Graduate Faculty: Shannon Baker (*History*), Mario Carranza (*Political Science*), Dean T. Ferguson (*History*), Nirmal Goswami (*Political Science*), Larry Knight (*History*), Brenda Melendy (*History*), Matthew C. Price (*Political Science*), Alberto Rodriguez (*History*)

Associate Members: Travis Braidwood (*Political Science*), Anders Greenspan (*History*), Michael S. Houf (*History*), Roger H. Tuller (*History*)

History and Political Science graduate classes are offered with training in the Master of Science in Education degree offered by the College of Education and Human Performance.

HISTORY (HIST)

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5312. Topics in European History. 3(3-0)
A seminar in European history with emphasis upon the development of a research project or projects. May be repeated for credit when the topic changes.

5320. Topics in Non-Western History. 3(3-0)
A seminar in Non-Western history with emphasis upon the development of a research project or projects. May be repeated for credit when the topic changes.

5330. Topics in American History. 3(3-0)
A seminar in American history; study of research methods, followed by the development of one or more research projects by each student and papers or reports on the projects. May be repeated for credit when the topic changes.

5346. Topics in Texas History. 3(3-0)
Selected topics in the history of Texas, 1519 to the present. Emphasis is placed upon the examination and evaluation of primary and secondary source material. May be repeated once for credit when the topic changes.

5350. Topics in Latin American History. 3(3-0)
A seminar in Latin American history with emphasis upon the development of a research project or projects. May be repeated for credit when the topic changes.

5365. Advanced Topics in History. V:1-3
Intensive investigation into selected topics of concern to advanced students of history and political science. May be repeated for credit when the topic changes. (May be taken either as HIST 5365 or as POLS 5300, but credit may be obtained for both only if the topics of study differ.)

5370. Advanced Problems in History. V:1-3
Independent research on selected problems of concern to advanced students of history and political science. May be repeated once for credit when the topic changes.

POLITICAL SCIENCE (POLS)

5300. Advanced Topics in Political Science.

V:1-3

Intensive investigation in selected topics of concern to advanced students of political science and history. May be repeated for credit when the topic changes. (May be taken either as POLS 5300 or as HIST 5365, but credit may be obtained for both only if the topics of study differ.)

5305. Graduate Research Project.

3

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis.

3

Designed for thesis students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5310. Topics in American Politics.

3(3-0)

Selected topics in American national government, state and local government, political behavior, urban politics, public law and judicial process. May be repeated for credit when the topic changes.

5320. Topics in Political Theory.

3(3-0)

Selected topics in ancient, medieval, modern and contemporary political theory. May be repeated for credit when the topic of study changes.

5340. Topics in Comparative and International Politics.

3(3-0)

Selected topics in comparative politics, international relations, foreign policy, international organization and international law. May be repeated for credit when topic changes.

5360. Topics in Public Administration and Public Policy.

3(3-0)

Selected topics in national, state and local public administration, public management and the formation of public policy. May be repeated for credit when the topic changes.

5380. Advanced Problems in Political Science.

V:1-3

Independent research in selected topics of concern to advanced students of political science and history. May be repeated once for credit when the topic changes.

DEPARTMENT OF LANGUAGE AND LITERATURE

Roberto Vela Córdoba, *Graduate Coordinator*
Fore Hall 207B. MSC 162. Extension 4062.

Graduate Faculty: Jody Marin (*English*), Steven Corbett (*English*), Cathy Downs (*English*), Michelle Johnson Vela (*Spanish*), Craig A. Meyer (*English*), Susan Roberson (*English*), Jacqueline Thomas (*French*), Marsha Tucker (*English*), Roberto Vela Córdoba (*Spanish*), Pamela Wright (*English*)

Associate Members: Anirrudha Mukhopadhyay (*English*), Ryan Paul (*English*), Kenneth R. Price (*English*)

Graduate courses are offered in English and Spanish for those pursuing master's degrees or for non-degree seeking candidates with the necessary prerequisites.

The Master in Cultural Studies prepares students in the analysis and study of the cultural production of Spanish and English communities. The program combines a specific area of language proficiency with cultural studies in a secondary language field.

The Master of Cultural Studies requires a minimum of 24 semester hours in coursework and 6 semester hours of thesis, for a minimum total of 30 semester hours. All students will follow the Thesis option following the course option below.

CULTURAL STUDIES (CULS)

- I. Component Area I – Cross-Cultural Studies Core (6 SCH)
CULS 5300
CULS 5301

- II. Component Area II – Cross-Cultural Studies (6 SCH)
CULS 5302 CULS 5320
CULS 5310 CULS 5330
CULS 5311 CULS 5340
CULS 5312 CULS 5350

- III. Component Area III – Text Analysis of Foundational Texts in Hispanic Studies (6)
CULS 5360
CULS 5365

- IV. Component Area IV – Text Analysis of Foundations Texts in English Studies (6)
CULS 5370
CULS 5375

- V. Thesis Hours (6 SCH)
CULS 5306

5300. Introduction to Cultural Studies and Text Analysis. 3(3-0)
Introduction to cultural studies and textual analysis.

5301. Research Methods in Cultural Studies Theory. 3(3-0)
Nature of research and cultural studies methods, application to problem areas in fields of cultural studies theory and practice. Research question development and data collection and evaluation; preparation of a scholarly presentation.

5302. Teaching Composition. 3(3-0)
Study of history and methods of pedagogy in rhetoric and composition. Development of composition syllabuses. Required of all students who will teach ENGL 1301 or ENGL 1302 or Spanish for Heritage-Speakers.

- 5306. Thesis Research.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5310. Topics in South Texas Cultural Studies.** 3(3-0)
Study of a specific topic in cultural studies related to the south Texas region. May be repeated when a different topic is scheduled.
- 5311. Topics in Southwest Cultural Studies.** 3(3-0)
Study of a specific topic in cultural studies related to the southwest region. May be repeated when a different topic is scheduled.
- 5312. Topics in Feminism and Third World Feminism Theory and Writing.** 3(3-0)
Analysis of women's discourse as power struggle for the elaboration of feminist politics of reason, feminist politics of passion, feminist politics of action and political feminist consciousness. Critical analysis of women's writings as production and reproduction of cultural formations of historically situated and gender-specific discursive subjects.
- 5320. Topics in Comparative Studies in Cultural Studies.** 3(3-0)
Study of a specific topic in comparative studies. Two or more cultures will be considered in their interactions, imbrications and interstices. May be repeated when a different topic is scheduled.
- 5330. Topics in Trans-Atlantic Film Studies.** 3(3-0)
Study of film and multimedia from throughout the Trans-Atlantic region as historical and cultural discoveries and rediscoveries of Trans-Atlantic peoples and their worlds. Readings and discussion on the articulation between history, film, multimedia and the production and consumption of image cultures in the Trans-Atlantic world.
- 5340. Topics in Pre-Colonial, Colonial and Postcolonial Studies.** 3(3-0)
Study of a specific topic in pre-colonial, colonial and/or postcolonial studies. Interactions between and among Anglophone, Hispanic and Francophone communities will receive particular attention. May be repeated when a different topic is scheduled.
- 5350. Topics in Sustainable Humanities.** 3(3-0)
Study of a specific topic in sustainability from a humanistic perspective. Particular humanistic perspectives on and contributions to sustainability will be explored and expanded. May be repeated when a different topic is scheduled.
- 5360. Spanish Peninsular Literature.** 3(3-0)
Study of an author, literary period or other specific topics in Spanish Peninsular literature, such as Poetry, El Quijote, Golden Age Drama, Galdos, Romanticism, Short Story, Masterpieces. May be repeated when the topic changes.
- 5365. Spanish American Literature.** 3(3-0)
Analysis of Andean Narrative, Mexican Novel, Southern Cone Narrative, Romanticism, Modernism, Regionalism, Existentialism, Structuralism, Magical Realism, Contemporary Literature, Essay, Poetry, Short Story and Theater. May be repeated when topic changes.
- 5370. 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.
- 5375. U.S. 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.

SPANISH (SPAN)

5300. Topics in Spanish. 3(3-0)
Research methods in the field of Spanish linguistics or culture. Topics: History of the Language, Dialectology, Spanish of the Southwest, etc. May be repeated when the topic changes. Prerequisite: 12 semester hours of advanced Spanish.

5301. Research Methods. 3(3-0)
Orientation to critical proficiency and tools in literary theory, cultural studies approaches and linguistics methods necessary for conducting research in the resolution of problems relevant to study of the topic selected. Demonstration of research skills and resources, including development of a research bibliography, and writing a research essay of a quality approaching that necessary for publication. Prerequisite: 12 semester hours of advanced Spanish.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5310. Hispanic Feminist Theory and Writing. 3(3-0)
Analysis of Hispanic women's discourse as power struggle for the elaboration of feminist politics of reason, feminist politics of passion, feminist politics of action and political feminist consciousness. Critical analysis of women's writings as production and reproduction of cultural formations of historically situated and gender-specific discursive subjects. Prerequisite: 12 semester hours of advanced Spanish.

5311. Hispanic Film Studies. 3(3-0)
Study of Latin-American, US Latino and Spanish film and multimedia as historical and cultural imagine(e)-active rediscoveries and reconstructions of the Hispanic peoples and their worlds. Readings and discussion on the articulation between history, film, multimedia and the production-consumption of image cultures in the Hispanic world. Prerequisite: 12 semester hours of advanced Spanish.

5320. Topics in Spanish Peninsular Literature. 3(3-0)
Study of an author, literary period or other specific topics in Spanish Peninsular literature, such as Poetry, El Quijote, Golden Age Drama, Galdós, Romanticism, Short Story, Masterpieces. May be repeated when the topic changes. Prerequisite: 12 semester hours of advanced Spanish.

5321. 19th Century Spanish Peninsular Novel. 3(3-0)
Study of the most important literary movements, authors and works of the 19th century in the novel, in particular Realism. This course or SPAN 5322 must be taken by all graduate Spanish majors. Prerequisite: 12 semester hours of advanced Spanish.

5322. 20th Century Spanish Peninsular Novel. 3(3-0)
Study of important literary movements, authors and works of the century in the novel, in particular the Generation of 1898, or the novel of the post-Spanish Civil War. This course or SPAN 5321 must be taken by all graduate Spanish majors. Prerequisite: 12 semester hours of advanced Spanish.

5350. Hispanic Cultural Studies. 3(3-0)
Interpretation of Hispanic cultures of politics, Hispanic signifying practices, Hispanic cultural studies and Hispanic culture. Critical analysis of the interactions among high culture, mass media and popular culture; their institutions, subjectivities, ideologies and gender roles. May be repeated when topic changes. Prerequisite: 12 semester hours of advanced Spanish.

5360. Studies in Spanish-American Literature. 3(3-0)
Analysis of Andean Narrative, Caribbean Narrative, Mexican Novel, Southern Cone Narrative, Romanticism, Modernism, Regionalism, Existentialism, Structuralism, Magical Realism, Contemporary Literature, Essay, Poetry, Short Story and Theater. May be repeated when topic changes. Prerequisite: 12 semester hours of advanced Spanish.

ENGLISH (ENGL)

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 they are enrolled. 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
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

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.

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.

DEPARTMENT OF MATHEMATICS

Stephen Sedory, *Graduate Coordinator*
Rhode Hall 239. MSC 172. Extension 3515.

Graduate Faculty: Ravi Agarwal, Reza Ahangar, Kun Gou, Sarjinder Singh, Rongdong Wang

Associate Members: Aden Ahmed, Catherine Carroll, Simona Hodis, Stephen Sedory

The Department of Mathematics offers courses leading to the Master of Science degree in Statistical Analytics, Computing and Modeling (SACM). This program is designed to provide the student with competency in the major areas of statistical and mathematical application, a working knowledge of mathematical and/or statistical software and a sufficient theoretical background to serve as a foundation for continued professional development. A student entering the program is expected to have completed at least 6 semester hours of advanced mathematics beyond multivariate calculus and differential equations. Students lacking these prerequisites may be admitted conditionally.

Graduate level courses may also serve to provide a supporting field for other majors.

MATHEMATICS (MATH)

- 5305. Graduate Research Project.** 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5321. Real Analysis.** 3(3-0)
Lebesgue integration and Lebesgue measure. LP spaces. Differentiability properties of monotone functions.
- 5322. Complex Analysis.** 3(3-0)
The complex field, topology of the complex plane, analytic functions, conformal mappings, power series, integration, residues.
- 5323. Partial Differential Equations.** 3(3-0)
An introduction to the fundamental notions and/or methods in the theory of partial differential equations. Includes Fourier series, the wave equation, the potential equation and the heat equation.
- 5324. Functional Analysis.** 3(3-0)
Metric spaces and their properties. Function spaces and mapping. Contraction mapping, existence and uniqueness theorems for differential equations. Selected topics from functional analysis: Stone-Weierstrass Theorem, semicontinuity, Banach spaces. Prerequisite: 12 semester hours of advanced mathematics including MATH 4321 or the equivalent.
- 5340. Matrix Methods for Linear Models.** 3(3-0)
Common matrix methods in statistical applications, including eigenvalues and eigenvectors; the Moore-Penrose inverse; matrix differentiation; the distribution of quadratic forms. Prerequisites: MATH 3340 and STAT 4303 or equivalents.
- 5341. Abstract Algebraic Theories.** 3(3-0)
Groups and their generalizations. Homomorphism and isomorphism theorem. Direct sums and products. Linear spaces and representations. Field extensions and Galois groups. Prerequisite: MATH 4340 or its equivalent.

5360. Analytic Decision Theory. 3(3-0)
Introduction to mathematical decision theory and game theoretic analysis. Classification of games, definitions in game theory, sequential-/simultaneous-move games, pure and mixed strategies, equilibrium concepts and matrix games. Prerequisite: MATH 3340 or equivalent.

5372. Advanced Mathematics for Physics and Engineering I. 3(3-0)
Complex variable methods, concepts of the theory of distributions, eigen-value problems in partial differential equations, special functions and finite-dimensional vector spaces. Prerequisites: 9 semester hours of advanced mathematics including MATH 3315 and MATH 3320 or the equivalent.

5373. Advanced Mathematics for Physics and Engineering II. 3(3-0)
Infinite-dimensional vector spaces, Green's functions, variational problems, traveling waves and perturbation methods. Prerequisite: MATH 5372 or the equivalent.

5374. Numerical Analysis. 3(3-0)
Underlying principles of numerical analysis. Topics include: finite differences and interpolation, numerical differentiation and integration, solving algebraic and transcendental equations, computations with matrices, the method of least squares and numerical solutions of differential equations. Attention is given to the solutions of problems using computer. Prerequisite: MATH 4341 or equivalent.

5390. Advanced Topics in Mathematics. V:1-3
Different areas of advanced mathematics with emphasis on rigor, critical reasoning and the concept of proof. May be repeated as topic changes.

5394. Special Topics in Mathematics. V:1-3
Topics in mathematics which are of interest to persons in diverse disciplines and occupations. May be repeated as topic changes. Not applicable for credit in the physical sciences, mathematics or engineering.

STATISTICS (STAT)

5331. Statistical Computing. 3(3-0)
Provides the computer tools for modern research analysis. Introduction to use of computer and statistical software. Includes applications of SAS to data entry, experimental design, regression, surveys. Prerequisite: one statistics course or equivalent.

5332. Big Data and Computing. 3(3-0)
Introduction to use of SAS (and R)/PC statistical software, including data entry, data summaries, descriptive statistics, and interpretation of SAS (and R) output for some standard statistical procedures. Prerequisite: STAT 5344 or equivalent.

5343. Applied Regression Analysis. 3(3-0)
Multiple regression analysis, selecting the "best" regression equation, general model building, introductory linear models. Prerequisite: an advanced statistics course.

5344. Predictive Analytics. 3(3-0)
Correlation, simple linear and multiple regression, one and two way ANOVA, various multiple comparison procedures, randomized block designs, applications, use of statistical software. Prerequisite: STAT 4301 or STAT 4303 or equivalent.

5345. Analysis of Research Data. 3(3-0)
Basic concepts and techniques for research including completely randomized design, factorial, randomized complete block, split-plot, Latin square and analysis of variance. Prerequisite: one statistics course.

5346. Design of Experiments. 3(3-0)
Hypothesis testing, principles of design of an experiment, *t*-test, completely randomized design, randomized block design, multiple comparison techniques, factorial designs, random effect models, fixed effect models, BIBD, nested designs, analysis of covariance and split plot design. Prerequisite: STAT 4301 or STAT 4303 or equivalent.

- 5350. Probability for Analytics.** 3(3-0)
Mathematical treatment of probability distributions, probability concepts and laws; sample spaces, combinations and permutations, Bayes' theorem, discrete/continuous random variables, expected value, distribution of functions of random variable, two-dimensional variables, central limit theorem; t, F, and chi-square distributions. Prerequisite: STAT 4301 or STAT 4303 or equivalent.
- 5351. Inferential Analytics.** 3(3-0)
Theory of estimation and hypothesis testing, maximum likelihood, method of moments, likelihood ratio tests, consistency, bias, efficiency and sufficiency. Prerequisite: STAT 5350 or equivalent.
- 5361. Multivariate Statistics.** 3(3-0)
An applied approach to multivariate data analysis and linear statistical models in research. Prerequisites: MATH 4341 and STAT 5344 or equivalents.
- 5362. Nonparametric Statistics.** 3(3-0)
Estimation and hypothesis testing, models for categorical data, classical rank-based nonparametric methods, permutation tests, bootstraps methods, and curve smoothing. Prerequisite: STAT 4301 or STAT 4303 or equivalent.
- 5370. Survey Sampling Analytics.** 3(3-0)
Survey sampling from initial planning phases through collection and storage of the data; simple random sampling, stratified random sampling, auxiliary information, estimators, chi-square contingency table analysis for two and three way tables, handling of small expected frequencies, matched pairs, measures of association; use of statistical software on big survey data. Prerequisite: STAT 4301 or STAT 4303 or equivalent.
- 5372. Model Assisted Survey Methods.** 3(3-0)
Probability proportional to size sampling, auxiliary information, Horvitz and Thompson estimator, calibration of design weights, model assisted calibration techniques, GREG and linear regression estimator, imputation of missing data, bootstrap and jackknifing. Prerequisite: STAT 5340 or equivalent.
- 5374. Survey Models for Social Science.** 3(3-0)
Sensitive data and privacy issues in survey sampling. Randomized response models and variations. Estimation of prevalence of two or more sensitive characteristics. Use of Cramer-Rao lower bound of variance. Measures of protection of respondents. Models using complex designs. Prerequisite: STAT 4301, STAT 4303, or PSYC/SOCI 3381 or equivalent.
- 5375. Operations Research.** 3(3-0)
Geometric linear programming, the Simplex method, duality theory, sensitivity analysis, project planning and integer programming. Optional topics include, but are not limited to: the transportation problem, the upper bounding technique, the dual Simplex method, parametric linear programming, queuing theory, decision analysis, and simulation. Prerequisite: Any introductory course in linear algebra.
- 5380. Survival Analysis.** 3(3-0)
Statistical analysis of time-to-event or survival data. Basic Terminology and both parametric and non-parametric techniques. Continuous and discrete time regression models and partial likelihood estimation. Includes competing risk models, unobserved heterogeneity, and multivariate survival models including event history. Prerequisites: STAT 5305 and STAT 5351 or equivalents.
- 5390. Advanced Topics in Statistics.** 3(3-0)
Different areas of advanced statistics will be covered at separate offerings of this course. Topics include sampling techniques, multivariate analysis, quality control techniques. May be repeated once. Prerequisite: 6 semester hours of advanced statistics or the equivalent.

DEPARTMENT OF MUSIC

Darin Hoskisson, *Graduate Coordinator*

HREC Music Annex 218. MSC 174. Extension 2159.

Graduate Faculty: Paul M. Hageman, Darin Hoskisson, Nancy KingSanders, Greg Sanders

Associate Members: Melinda Brou, Oscar Diaz, Ann Fronckowiak, Elizabeth Janzen, Joseph E. Jones, Scott Jones, Jason Kihle, Veronica Lopez, Kyle Millsap, Catherine Ming Tu

The Department of Music offers the Master of Music degree in Music and Music Education with an 18-hour core curriculum and an 18-hour specialization in either Secondary Music Education (Vocal or Instrumental) or Elementary Music Education. All students will be required to take a graduate level entrance examination to determine correct course placement. In addition, students must take the GRE during their first semester of enrollment. All students are required to complete a research project of three hours of credit towards the degree, on a subject that relates to their teaching area (Research Project Option). The graduate research project may be in the format of a lecture recital if the student is performance oriented. The option of a more comprehensive research paper is available in the format of a Graduate Thesis (Thesis Option). Most of the graduate music courses are taught in an intensive three-week course format during summer school to accommodate music educators' schedules.

Core Curriculum, 18 hours:

MUSI 5301	MUSI 5305	MUSI 5309
MUSI 5318	MUSI 5350	MUSI 5394

Secondary Music Education Specialization-Instrumental, 18 hours:

MUSI 5312	MUSI 5316	MUSI 5368
MUSI 5376	MUSI 5398	<i>Either</i> MUSI 5390 or MUSA 5XXX Applied Lessons (total 3 hours)

Secondary Music Education Specialization-Vocal, 18 hours:

MUSI 5310	MUSI 5311	MUSI 5370
MUSI 5371	MUSI 5398	MUSA 5XXX Applied Lessons (total 3 hours)

Elementary Music Education Specialization, 18 hours:

MUSI 5371	MUSI 5372	MUSI 5373
MUSI 5374	EDED 5XXX (6 hours)	

MUSIC (MUSI)

5120. Wind Symphony.

1(0-4)

Highest levels of musicianship are demonstrated through performance of respected wind band literature. Prerequisite: audition.

5123. Symphony Orchestra.

1(0-3)

Highest levels of musicianship demonstrated through performance of respected orchestral literature. Prerequisite: audition.

- 5130. Jazz Combo.** 1(0-3)
Jazz music in the small ensemble setting. Experience in improvisation by arranging, rehearsing and performing jazz music as a combo. Prerequisite: audition.
- 5131. Jazz Band I.** 1(0-3)
The premiere instrumental jazz performance ensemble, Jazz Band I performs the highest level of jazz literature stressing improvisation and various styles of jazz. Prerequisite: audition.
- 5132. Chamber Music.** 1(0-3)
The study, preparation and performance of small-ensemble music in like-instrument groupings, mixed-instrument ensembles and vocal ensembles.
- 5141. Choir.** 1(0-4)
Required of all voice majors. Study and performance of choral literature from the Renaissance to the present.
- 5151. Singers.** 1(0-3)
A select small mixed ensemble which performs music especially written for a vocal chamber group. Open by audition to all students.
- 5157. Opera Workshop.** 1(0-5)
Study and performance of scenes and acts from operas as well as full operas. Practical experience in opera production including dramatic aspects of staged music-drama. Emphasis on integration of music, acting and staging.
- 5301. Introduction to Research in Music.** 3(3-0)
The nature of research and scientific method, application to problem areas in fields of musicology, music education and music theory. Problem selection and definition. Specialized techniques for location, collection, qualification and treatment of data. Preparation of a research report.
- 5305. Graduate Research Project.** 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5309. Musicology Seminar.** V:1-3
Selected topics in music literature or theory. May be repeated when the topic of study changes.
- 5310. Vocal Literature.** 3(3-0)
Survey of standard literature for solo voice from the Renaissance to the present within each voice classification through recordings and live performances. Development of curricular standards for assigning proper repertoire to applied students.
- 5311. Choral Literature.** 3(3-0)
Survey of choral repertory from the Middle Ages to the present. Study of a composite repertoire of choral literature for different age groups through recordings and live performances. Development of curricular standards for programming and pedagogy for the choral conductor.
- 5312. History and Literature of the Wind Band.** 3(3-0)
Study of the historical development of the modern wind band and its precursors through a survey of the significant literature written for wind ensembles.
- 5316. Advanced Percussion Techniques.** 3(3-0)
Advanced pedagogy of percussion instruments for individual and ensemble performance. Development of marching and concert band percussion sections and percussion ensembles. In-depth study of the psychological, physical and

creative aspects of teaching percussion along with a survey of important percussion materials and repertoire.

- 5318. Advanced Analysis.** 3(3-0)
Techniques of analysis and their applications to sonata, rondo, fugue, variation and related forms and procedures.
Prerequisite: MUSI 4318.
- 5350. Music Technology.** 3(3-0)
General introduction to current computer and audio technologies and their uses in the music classroom. Music Graphics, Audio Editing, MIDI (Musical Instrument Digital Interface), Multi-media CAI (Computer Assisted Instruction) and Audio/Video Internet applications.
- 5368. Advanced Woodwind Techniques.** 3(3-0)
Pedagogical practices and materials for teaching woodwinds. Selection, adjustment care and repair of reeds with practice in making double reeds. Practical demonstration on the woodwind instruments.
- 5370. Vocal Pedagogy.** 3(3-0)
Teaching strategies for the development of vocal production, quality, classification, registration, range, anatomy and physiology. Study of vocal production as a science and application of such knowledge. Observation and evaluation of teaching demonstrations within the class by peers and instructor.
- 5371. Introduction to Dalcroze Eurhythmics.** 3(3-0)
Study of Eurhythmics as developed by Emile Jacques-Dalcroze in a practical laboratory setting, combining pedagogy and experience with lesson plan design.
- 5372. Introduction to Kodály Method.** 3(3-0)
Basic techniques, strategies and materials associated with the Kodály Method. Examine goals and processes of Kodály Method related to singing, movement, inner hearing and musical literacy.
- 5373. Orff Schulwerk Level I Pedagogy.** 3(3-0)
Basic techniques, strategies and materials. Explore the use of rhythmic speech, ostinato, pentatonic melodies, bordun accompaniments, instrumentarium and elemental forms. Prerequisite: MUSI 4330 or equivalent inservice training experience.
- 5374. Orff Schulwerk Level II Pedagogy.** 3(3-0)
Explore the use of diatonic major and minor modes, irregular and changing meters, canonic treatment, polyrhythms and Latin rhythms, instrumental accompaniments using chord changes, aleatoric principles and 12-bar blues. Continuation of the study of soprano recorder with introduction of alto recorder in consort. Emphasis on improvisation. Prerequisite: MUSI 5382 and one year's teaching experience in Orff Schulwerk.
- 5376. Advanced Brass Techniques.** 3(3-0)
Pedagogical practices and materials for teaching brass instruments, acoustical properties; care and maintenance of the brasses.
- 5379. Piano Pedagogy.** 3(3-0)
Advanced methods of piano teaching; the learning process and its application to the beginning piano student and mid-level, advanced and adult piano methods.
- 5390. Marching Band Techniques.** V:1-3
Planning and charting football shows, rehearsal problems and equipment.
- 5392. Music Education Seminar.** V:1-3
Selected topics in music education. May be repeated when topic of study changes.
- 5394. Foundations of Music Education.** 3(3-0)
History, philosophy and sociology of music education and the aesthetics of music.

5398. Advanced Conducting. 3(3-0)
Baton techniques and critical examination of scores; rehearsal and interpretive problems. Prerequisite: MUSI 3196.

DEPARTMENT OF PHYSICS AND GEOSCIENCES

Thomas McGehee, *Graduate Coordinator (Geology)*

Hill Hall 113. MSC 175, Extension 3310.

Lionel Donnell Hewett, *Graduate Coordinator (Physics)*

Hill Hall 113. MSC 175. Extension 2618.

Graduate Faculty: Hisham Al-bataineh, Lionel Donnell Hewett (*Physics*), Thomas McGehee (*Geology*), Haibin Su (*Geology*)

Associate Member: Brent Hedquist (*Geology*)

The Department of Physics and Geosciences offers graduate courses in Geology and in Physics. Each of these is a strong supporting field for a major in another science, mathematics or engineering.

GEOLOGY (GEOL)

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5310. Advanced Topics in Geology. V:1-3
Intensive study at a graduate level of selected advanced topics. May be repeated for credit under different topics.

5311. Geochemistry. 3(2-3)
Study of the occurrence, distribution and behavior of major and minor elements in the earth's atmosphere, hydrosphere and lithosphere. Prerequisites: GEOL 3409, GEOL 3411, CHEM 1412.

5312. Geographic Information Systems. 3(3-0)
Principles and practice of geographic information systems (GIS) using vector-based GIS as the primary software package. Students will demonstrate the use of GIS through individual class projects oriented toward their area of interest.

5313. Advanced Geographic Information Systems. 3(2-3)
Research applications of advanced techniques of Geographic Information Systems. Vector-and raster-based GIS modeling: terrain modeling, hydrological modeling, 3-D modeling; hands-on research topics. GIS programming for problem solving in students' research applications. Prerequisite: GEOL 5312 or permission of instructor.

5319. Geology of Groundwater. 3(3-0)
Principles and practice of physical and chemical hydrogeology in uncontaminated and contaminated settings. This includes the influence of geologic conditions on groundwater quality, production, contamination and resource evaluation. Emphasis will be placed on a geology/hydrology course involving the presentation of theory, the collection of field data, the use of industry-validated computerized models for the analysis of the field data and the presentation of reports. Prerequisite: graduate standing, GEOL 1303/1103 and GEOL 1304/1104.

5352. Remote Sensing. 3(3-0)
Principles and practice of remote sensing involving analysis and interpretation of aerial photos and digital images. Students will demonstrate the use of remote-sensed through individual class projects oriented toward their area of interest.

PHYSICS (PHYS)**5370. Meteorology.**

3(3-0)

The study of the Earth's atmosphere. Topics include the atmosphere's energy balance and temperature distribution; the effect of water vapor; the cause and typical characteristics of winds; air mass characteristics and their changes associated with transport.

5382. Exploration Geophysics.

3(3-0)

Application of classical physics to the study of the Earth and the solution of problems in Earth sciences, including gravity, magnetic, seismic, heatflow, electrical, electromagnetic, and well log methods, instruments, data acquisition, processing and interpretation. Applications to petroleum exploration. Prerequisites: GEOL 3370 or permission of the instructor.

5385. Seismology.

3(3-0)

Basics of seismology: wave propagation, seismic reflection and refraction. Application of physics in the seismic velocity and anisotropy structure of the Earth. Earthquake generation, post-seismic deformation and creep events, relation to faulting and plate tectonics. Prerequisites: GEOL 3370 or permission of the instructor.

5338. Borehole Geophysics.

3(3-0)

Basic rock properties concepts; evaluating formations from geophysical well logging. Instrumentation, the physics of logging, and well log interpretation. Rock physics tools and well logs for petroleum and geothermal exploration, as well as water prospecting. Prerequisites: GEOL 1303/1103, GEOL 3370, PHYS 2325/2125, PHYS 2326/2126.

5390. Special Topics in Advanced Physics.

3(3-0)

A detailed study of one or more specific sub-disciplines of physics. Course may be repeated for credit when topic changes.

DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

Colin Wark, *Graduate Coordinator (Criminology)*

Manning Hall 214. MSC 177. Extension 2693

Donald Daughtry, *Graduate Coordinator (Psychology)*

Manning Hall 115. MSC 177. Extension 4829.

Bennie Green, *Graduate Coordinator (Sociology)*

Manning Hall 151. MSC 177. Extension 2706

Graduate Faculty: Jieming Chen (*Sociology*), Don Daughtry (*Psychology*), Bennie Green (*Sociology*), Brenda Hannon (*Psychology*), Richard Miller (*Psychology*)

Associate Members: Marion Blake (*Psychology*), Dana Byrd, Dung Ngo (*Psychology*), Stanley Hodges, SoYoung Kwon, Christine Reiser-Robbins (*Sociology*), Colin Wark (*Criminology*)

The Department of Psychology and Sociology offers graduate programs in psychology, sociology and criminology.

Master of Arts in Counseling Psychology/Master of Science in General Psychology

The graduate program in Psychology offers two psychology degrees: a Master of Arts in Counseling Psychology and a Master of Science in General Psychology. Students applying to either of these psychology graduate programs must have at least 18 semester hours of undergraduate psychology. Prerequisites for both programs include courses in statistics and experimental psychology/research methods.

For the MA in Counseling, the 18 semester hours must include courses in: abnormal psychology, personality theory, and developmental psychology (lifespan, child, adolescent, or adult development).

For the MS in General Psychology the 18 hours must include three of the following courses: cognitive psychology, learning and memory, social psychology, biopsychology, physiological psychology, sensation and perception, personality, abnormal, developmental psychology (lifespan, child, adolescent, or adult development), and/or history and systems of psychology.

Additional undergraduate courses may be needed to allow students to enroll in specific TAMUK graduate courses. Applicants to the programs must have an undergraduate Psychology GPA of at least 3.0 and a preferred GRE score of 297 (Verbal and Quantitative).

To apply for admission to either of the graduate programs, applicants must submit GRE scores, undergraduate transcripts, a personal statement, a Curriculum Vitae, and three (3) letters of recommendation. In addition, applicants for the MA in Counseling program must complete an interview with the Graduate Admissions Review committee.

Applicants to either of the psychology graduate programs must be approved by the Psychology Graduate Admissions Review committee before formal acceptance into the program. Contact the Admissions Committee chair for application details and deadlines. In general, applications are accepted during the Spring semester for admission in the Fall.

The Master of Arts degree is designed for students desiring to provide applied mental health services; it prepares students to sit for the state Licensed Professional Counselor exam. The LPC requirements include 60 hours of courses, as required by the Texas Board of Licensed Professional Counselor Examiners.

The Master of Science in General Psychology degree is designed for students desiring to pursue doctoral studies or teaching careers.

Degree Requirements
Master of Arts
Counseling Psychology
(Non-Thesis Option)

Required Courses

PSYC 5305 – Graduate Research Project
PSYC 5319 – Life Span Development
PSYC 5325 – Psychopathology
PSYC 5381 – Behavioral Research Science
Total: 12 credit hours

Prescribed Elective Courses

PSYC 5302 – Individual Psychological Testing
PSYC 5303 – Addictions Counseling
PSYC 5304 – Counseling and Psychotherapy
PSYC 5308 – Introduction to Counseling Psychology
PSYC 5310 – Data Analysis in Social Research
PSYC 5315 – Practicum in Counseling (total of 6 hours)
PSYC 5316 – Couples Therapy
PSYC 5317 – Multicultural Counseling
PSYC 5326 – Advanced Abnormal Psychology
PSYC 5331 – Lifestyles and Career Development
PSYC 5333 – Ethics and Legal Issues
PSYC 5334 – Ethics and Professional Issues II
PSYC 5336 – Clinical Assessment of Abnormal Behavior
PSYC 5344 – Group Therapy
Total: 45 credit hours

Elective Courses

PSYC 5313 – Physiological Psychology
PSYC 5314 – Family Therapy
PSYC 5314 – Advanced Career Development
PSYC 5352 – Advanced Social Psychology
Total: 3 credit hours

Total Credit Hours: 60

Degree Requirements
Master of Arts
Counseling Psychology
(Thesis Option)

Required Courses

PSYC 5306 – Master Thesis (total 6 hours)
PSYC 5319 – Life Span Development
PSYC 5325 – Psychopathology
PSYC 5381 – Behavioral Research Science
Total: 15 credit hours

Prescribed Elective Courses

PSYC 5302 – Individual Psychological Testing
PSYC 5303 – Addictions Counseling
PSYC 5304 – Counseling and Psychotherapy
PSYC 5308 – Introduction to Counseling Psychology
PSYC 5310 – Data Analysis in Social Research
PSYC 5315 – Practicum in Counseling (total 6 hours)

PSYC 5316 – Couples Therapy
PSYC 5317 – Multicultural Counseling
PSYC 5326 – Advanced Abnormal Psychology
PSYC 5331 – Lifestyles and Career Development
PSYC 5333 – Ethics and Legal Issues
PSYC 5334 – Ethics and Professional Issues II
PSYC 5336 – Clinical Assessment of Abnormal Behavior
PSYC 5344 – Group Therapy
Total: 45 credit hours

Total Credit Hours: 60

MA/MS in General Psychology

For the MS or MA in General Psychology, the 18 core curriculum graduate hours listed below. The remaining course electives will be decided on by students in consultation with their adviser. The MA or MS in General Psychology may be completed in either thirty (30) or thirty six (36) hours depending on student's specific plan of study.

Required Courses

PSYC 5306 – Thesis (6 hours) *or* PSYC 5305 –
Graduate Research Project (3 hours)
PSYC 5319 – Life Span Development
PSYC 5325 – Psychopathology
PSYC 5381 – Behavioral Research Sciences
PSYC 5310 – Data Analysis in Social Research

PSYC 5316 – Couples Therapy
PSYC 5317 – Multicultural Counseling
PSYC 5326 – Advanced Abnormal Psychology
PSYC 5331 – Lifestyles and Career Development
PSYC 5333 – Ethics and Legal Issues
PSYC 5334 – Ethics and Professional Issues II
PSYC 5336 – Clinical Assessment of Abnormal
Behavior
PSYC 5344 – Group Therapy
PSYC 5313 – Physiological Psychology
PSYC 5314 – Family Therapy
PSYC 5314 – Advanced Career Development
PSYC 5352 – Advanced Social Psychology

Elective Courses

PSYC 5302 – Individual Psychological Testing
PSYC 5303 – Addictions Counseling
PSYC 5304 – Counseling and Psychotherapy
PSYC 5308 – Introduction to Counseling Psychology

Masters of Science in Criminology

The Master of Science in Criminology program is designed to provide students with an understanding of the fundamentals of criminology as well as an in-depth knowledge of one or more subfields within the discipline. The program prepares students for employment in a wide variety of settings across government, business, and non-profit sectors. The program is also designed to allow graduates to pursue further advanced study in criminology, criminal justice, justice studies, political science, law, sociology, or other closely related social scientific disciplines. The program offers thesis, project, and courses-only degree options. The requirements vary for each of the different degree options. For further information please check the criminology graduate program webpage: [Criminology Graduate Program](#).

Degree Requirements

Master of Science Criminology (Thesis Option)

Semester 1		Semester 2	
CRIM 5325	3	CRIM 5310	3
Prescribed Elective*	3	Prescribed Elective*	3
Free Elective**	3	Free Elective**	3
Semester 3		Semester 4	
CRIM 5303***	3	CRIM 5300	3
CRIM 5306	3	CRIM 5306	3
TOTAL			30

PRESCRIBED ELECTIVE*

Electives from graduate level coursework in criminology

FREE ELECTIVE**

Electives from graduate level coursework in criminology, sociology, psychology, and/or political science.

***The graduate course in Qualitative Methods can be used to fulfill this requirement.

**Degree Requirements
Master of Science
Criminology
(Project Option)**

Semester 1		Semester 2	
CRIM 5325	3	CRIM 5310	3
Prescribed Elective*	3	Prescribed Elective*	3
Free Elective**	3	Free Elective**	3
Semester 3		Semester 4	
CRIM 5303***	3	CRIM 5300	3
Prescribed Elective*	3	Prescribed Elective *	3
Free Elective**	3	CRIM 5305	3
TOTAL		36	

PRESCRIBED ELECTIVE*

Electives from graduate level coursework in criminology

FREE ELECTIVE**

Electives from graduate level coursework in criminology, sociology, psychology, and/or political science.

***The graduate course in Qualitative Methods can be used to fulfill this requirement.

**Degree Requirements
Master of Science
Criminology
(Course-Only Option)**

Semester 1		Semester 2	
CRIM 5325	3	CRIM 5310	3
Prescribed Elective*	3	Prescribed Elective*	3
Free Elective**	3	Free Elective**	3
Semester 3		Semester 4	
CRIM 5303***	3	CRIM 5300	3
Prescribed Elective*	3	Prescribed Elective *	3
Free Elective**	3	Free Elective**	3
TOTAL		36	

PRESCRIBED ELECTIVE*

Electives from graduate level coursework in criminology

FREE ELECTIVE**

Electives from graduate level coursework in criminology, sociology, psychology, and/or political science.

***The graduate course in Qualitative Methods can be used to fulfill this requirement.

Masters of Science in Arts/Master of Science in Sociology

Additionally, the Department of Psychology and Sociology offers a Master of Arts and a Master of Science in Sociology. The program provides advanced training for those preparing for teaching, research or applied careers in sociology such as law enforcement or social work. Prerequisites include at least 18 semester hours of undergraduate sociology. The Master of Science and Master of Arts degrees may be earned under either option.

CRIMINOLOGY (CRIM)

5300. Seminar in Criminology. 3(3-0)
Analysis of criminal behavior with a focus on contemporary issues relating to the causes, consequences and social control of crime and deviance.

5303. Advanced Research Methods. 3(3-0)
General research methods and techniques. Behavioral Science research design and related statistical analysis techniques. Prerequisites: SOCI 3381 and SOCI 4382 or PSYC 3387 or their equivalent. (Credit may not be obtained in both CRIM 5303 and SOCI 5303.)

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 project option students. Prerequisite: Departmental approval.

5306. Thesis. 3
This course is for thesis option students. The course required 6 hours of grades, the first 3 hours consisting of the completion of a thesis proposal and the last 3 hours consisting of the completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

5310. Data Analysis in Social Research. 3(3-0)
An intermediate level statistics course on linear modeling, with an emphasis on statistical data analysis: data management, data manipulation and introduction to linear modeling (ANOVA and classical linear regression). Prerequisite: SOCI 3381 or its equivalent. (Credit may not be obtained in more than one of CRIM 5310, PSYC 5310 and SOCI 5310).

5315. Selected Topics in Criminology. 3(3-0)
Literature and research in areas of criminology not otherwise treated in available courses. May be repeated twice for credit when topic changes.

5320. Police and Society. 3(3-0)
A treatment of the nature, organization, function, problems and components of police agencies in modern society.

5325. Seminar in Criminological Theory. 3(3-0)
A comprehensive presentation and discussion of classic and contemporary theoretical paradigms of crime and delinquency, and empirical research support for them.

5354. Correctional Counseling. 3(3-0)
Correctional counseling and treatments from a psychological perspective. Prerequisites: CRIM 3320 or PSYC 3320

5360. Comparative Legal Systems. 3(3-0)
A treatment of the nature, components, and models for analyzing criminal justice systems in selected nations throughout the world. Coverage may be include but is not limited to the legal systems found in the England, Canada, France, Japan, Russia, Mexico, and China.

GERONTOLOGY (GERO)

5399. Internship in Gerontology. 3(2-10)
On-the-job supervised experience that allows the student to put theories and ideas into practice. Will be repeated for credit. Prerequisite: permission of the instructor.

PSYCHOLOGY (PSYC)

5302. Individual Psychological Tests. 3(3-0)
Major individual psychological tests. Each student will choose one particular scale, master its techniques, administer it to a specific number of subjects, score and interpret the results. Prerequisites: PSYC 4308 and PSYC 3381 or equivalent.

- 5304. Counseling and Psychotherapy.** 3(3-0)
A survey of the major theories of counseling and psychotherapy. Prerequisites: 6 semester hours of advanced psychology or the equivalent.
- 5305. Graduate Research Project.** 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5307. Psychology of Aging.** 3(3-0)
Overview of literature and academic research in the field of psychology of aging with a focus on effective interventions in applied situations. Topics covered will include physical processes, cognition, personality, psychopathology and death/dying. Students will have the opportunity to explore a specific topic in depth. Prerequisite: enrolled in Gerontology program or 18 hours of Psychology.
- 5308. An Introduction to Counseling Psychology.** 3(3-0)
Fundamentals of professional counseling and psychotherapy. Definitions and the history of counseling and psychotherapy, settings for professional practice, professional development, contemporary issues and ethics, and models of counseling and psychotherapy and their associated techniques.
- 5309. Cognitive Psychology.** 3(3-0)
Analysis of theoretical, empirical, methodological and applied issues in such areas as attention, pattern recognition, memory, language and problem solving. The relationship between cognition and such individual-difference variables as age, intelligence and expertise will be covered.
- 5310. Data Analysis in Social Research.** 3(3-0)
An intermediate level statistics course on linear modeling, with an emphasis on statistical data analysis: data management, data manipulation and introduction to linear modeling (ANOVA and classical linear regression). Prerequisite: PSYC 3381 or its equivalent. (Credit may not be obtained in both PSYC 5310 and SOCI 5310.)
- 5311. Addictions Counseling.** 3(3-0)
Introduction to current research on psychological, social, legal and situational factors involved in substance abuse and addiction. Attention to treatment procedures and treatment facilities. Addiction, defined broadly, includes eating and gambling disorders.
- 5313. Physiological Psychology.** 3(3-0)
An intensive study of the biological mechanisms underlying behavior and applications of biological psychology to human problems. This course covers biological foundations, evolution and development of the nervous system, perception and action, the regulation of behavior, emotions and mental disorders and cognitive neuroscience.
- 5314. 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 for credit with change in topic. Prerequisite: courses appropriate to the selected topic.
- 5315. Practicum in Counseling.** 3(2-10)
Supervised practice in counseling and therapy with individual clients: 150 hours of practicum experience in a professional setting per semester plus two hours of individual or group supervision per week. May be repeated for credit. Prerequisites: PSYC 5304, PSYC 5308, PSYC 5325 and PSYC 5333.
- 5316. Couples Counseling** 3(3-0)
Systems theory therapies and practices relative to assessment, research, and treatment of couples. Explores cognitive, affective, interactional, and systemic theories of human behavior and change as related to couples.

- 5317. Multicultural Theory and Counseling.** 3(3-0)
Introduction to research, theories, and paradigms of counseling with diverse populations; focus on diversity variables such as race/ethnicity, culture, age, religion/spiritual orientation, sexual orientation, disability, class status, and gender.
- 5319. Life Span Development: Theory/Techniques.** 3(3-0)
A study of psychological, social, cultural, physical and emotional factors affecting personality development and behavior throughout the life span. Emphasis on theoretical perspectives on development.
- 5321. Methods and Techniques in Family Therapy.** 3(3-0)
Review of family systems and family therapy paradigms. Emphasis on the acquisition of skills and techniques through experiential class exercises. Prerequisite: an introductory course in family therapy.
- 5325. Psychopathology.** 3(3-0)
A survey of the research, theories, assessment and treatment models of psychopathology.
- 5326. Advanced Abnormal Psychology.** 3(3-0)
Criteria of psychiatric diagnosis, using the DSM Multi-Axial system, theories of psychopathology, treatment planning and intervention, and introduction of psychopharmacological medications. Prerequisites: PSYC 5304 and PSYC 5325.
- 5329. Neuro-linguistic Programming.** 3(3-0)
A study of alternative approaches to communication in the field of counseling. These include rapport, influencing skills and the use of body language to achieve results and accelerate learning. Other approaches include the use of metaphors, storytelling and relaxation techniques.
- 5331. Lifestyles and Career Development.** 3(3-0)
A review of psychological research, theory and methodologies in the world of work, including the nature of organizations and the worker, group processes and training, communication, attitudes, motivation and leadership.
- 5332. Psychology of Women.** 3(3-0)
An intensive overview of the special social, psychological and biological issues facing women in contemporary Western culture. Topics include gender role formation and differences, female sexuality, relationships, values, status and wellness.
- 5333. Ethics and Legal Issues.** 3(3-0)
An intensive study of ethical and legal issues for students with a background in counseling or related areas. Focuses on basic issues, values clarification, foundations of ethical positions and interaction with the legal profession.
- 5334. Ethics and Legal Issues II.** 3(3-0)
Advanced training regarding professional issues and ethics in counseling. Attention to record management and business law, as they relate to professional counselor practice. Focus on current professional-organization ethical codes.
- 5335. Seminar in Sexual Dysfunctions and Issues.** 3(3-0)
Social, cultural, psychological and medical components, including therapeutic intervention. Prerequisite: PSYC 5304 or equivalent.
- 5336. Clinical Assessment of Abnormal Behavior.** 3(3-0)
The assessment of abnormal behavior with emphasis on symptomatic behavior, clinical diagnosis and writing assessments and planning treatment.
- 5342. Projective Testing.** 3(3-0)
Personality assessment, employing such projective techniques as the Rorschach, Bender-Gestalt and Thematic Apperception tests. Includes interviewing, administration, scoring, interpretation and report writing. Prerequisite: PSYC 4308.

- 5344. Group Therapy.** 3(3-0)
A study of the theoretical concepts of types of groups, stages of group development and leadership skills.
- 5352. Advanced Social Psychology.** 3(3-0)
Advanced study of how peoples' thoughts, feelings and behaviors are influenced by actual, imagined or implied other people. Topics include the psychological study of conformity, attitudes, aggression, altruism, conflict and cooperation.
- 5354. Behavioral Modification.** 3(3-0)
Human behavior examined by using a step-by-step approach introducing principles of behavior modification and providing practical, specific information needed for their successful application.
- 5381. Behavioral Science Research.** 3(3-0)
Behavioral science research design, methodology, analysis and interpretation of results. Under tutorial guidance, students conduct, analyze and report on an empirical study of their own design and choice of topic. Prerequisites: PSYC 3381 or equivalent and either PSYC 3387 or SOCI 4382.
- SOCIOLOGY (SOCI)**
- 5301. Seminar in Sociological Theory.** 3(3-0)
Analysis of generalizations derived by sociology concerning how human beings live and interact.
- 5302. Seminar in Social Organization.** 3(3-0)
The dynamics and structure of social organization with emphasis on large-scale systems. Critical evaluation of current research and contemporary theories of social organization.
- 5303. Advanced Research Methods.** 3(3-0)
General research methods and techniques. Behavioral science research design and related statistical analysis techniques. Prerequisite: SOCI 3381 and SOCI 4382 or PSYC 3387 or their equivalent.
- 5304. Seminar in Juvenile Delinquency.** 3(3-0)
Sociological analysis of juvenile delinquency with a focus on the social causes and consequences of delinquent behavior, and the social control of delinquency in the context of the juvenile justice system.
- 5305. Graduate Research Project.** 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5308. Studies in Contemporary Sociological Problems.** 3(3-0)
Current theoretical and methodological problems encountered in advanced research in major areas of sociology. May be repeated for credit when topics differ.
- 5309. 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 for credit with change in topic. Prerequisite: courses appropriate to the selected topic.
- 5310. Data Analysis in Social Research.** 3(3-0)
An intermediate level statistics course on linear modeling, with an emphasis on statistical data analysis: data management, data manipulation and introduction to linear modeling (ANOVA and classical linear regression). Prerequisite: SOCI 3381 or its equivalent. (Credit may not be obtained in both SOCI 5310 and PSYC 5310.)

- 5320. The Study of Culture.** 3(3-0)
Introduction to the concept of culture and its impact on our lives. Focus on methods of study and analysis, including the principal approaches to documenting and interpreting culture in both primitive and modern societies. Prerequisite: graduate standing.
- 5321. Social Demography.** 3(3-0)
A study of population age and sex structure; population processes such as fertility, mortality and migration and their measurements; and interactions between the human population and its larger social and cultural environment.
- 5322. Seminar in Social Stratification.** 3(3-0)
Survey of literature on stratification and social inequalities, with an emphasis on sociological theories of stratification in class, gender and race.
- 5326. Seminar in Social Movements.** 3(3-0)
Critical analysis of the concepts of social movements and social change in terms of their essential components; specifies important types of social movements, collective behavior and group studies.
- 5328. Seminar in Urban Sociology.** 3(3-0)
Literature on urban sociology, with an emphasis on sociological theories of urban culture in topic areas of urban life, metropolitan development and globalization.
- 5332. Sociology of Minorities.** 3(3-0)
Literature on social minorities and social inequalities, with an emphasis on sociological theories of race and ethnicity including topics in the areas of class, gender and age.
- 5336. Multicultural Education Studies in Sociology.** 3(3-0)
Literature on multiculturalism, belief systems and social inequalities, with an emphasis on sociological theories of diversity from classical sociology. Analyzes multicultural education from micro and macro sociological perspectives.
- 5340. Sociology of the Family.** 3(3-0)
An examination of the family from both micro-level and macro-level sociological perspectives, with consideration given to change and diversity as well as methodology and substantive findings.
- 5341. Gerontology.** 3(3-0)
Course addresses the state, national and international factors currently affecting the aged population. Areas emphasized are income and economic change, housing, institutional care, health, nutrition, family relationships, new and proposed laws and programs, retirement programs and preretirement planning.
- 5346. Sociology of Hispanic Aged.** 3(3-0)
Analysis of the aging experience and quality of life for older Hispanic Americans with attention given to gender and social class issues. Prerequisite: SOCI 5341 or comparable course with approval of instructor.
- 5350. Sociology of Murder.** 3(3-0)
Addresses the study of murder as a form of deviant social behavior. Content covers the definition, frequency, types and societal reaction to homicide. The social-psychological factors related to typical, mass, serial and professional murders will be presented.
- 5352. Studies in Corrections.** 3(3-0)
Advanced treatment of the philosophies, theories, social-historical context, facilities and problems associated with contemporary corrections in America.

MASTER'S PROGRAM IN BUSINESS ADMINISTRATION (MBA) ONLINE DEGREE

Jesus Carmona, *MBA Program Director*
Kim London, *MBA Program Coordinator*
Business Administration Building 106H. MSC 182. Extension 2501.

Graduate Faculty: Jesus Carmona (*Management, Marketing and Information Systems*), Ruth Chatelain-Jardon (*Management, Marketing and Information Systems*), John Cicala (*Management, Marketing and Information Systems*), Natalya Delcours (Accounting and Finance), Dongnyoung Kim (*Accounting and Finance*), Michael Knight (*Management, Marketing and Information Systems*), Thomas Krueger (*Accounting and Finance*), Priti Verma (*Accounting and Finance*)

Affiliates: Jerry Ledlow (*Management, Marketing and Information Systems*)

MASTER OF BUSINESS ADMINISTRATION (M.B.A.)

Texas A&M University-Kingsville's College of Business Administration (CBA) is a member of the Business Education Alliance of the Association to Advance Collegiate Schools of Business (AACSB). MBA admission requirements can be found at www.tamuk.edu/cba.

The MBA program is designed especially for those individuals who want to further prepare themselves for managerial responsibilities in business. The degree requires the completion of 30 semester hours of graduate course work. Business foundation courses are prerequisites for admission to the MBA program. The program's 30 semester hours are composed of required **core** courses and **elective** courses.

- a. **Prerequisite Courses** (see [College of Business Administration Webpage](#))
- b. **Core Courses (21 credits):** (see [College of Business Administration Webpage](#))
- c. **Elective Courses (9 credits):** (see [College of Business Administration Webpage](#))

To give students the greatest flexibility in selecting elective courses, a student may enroll in electives from several CBA pre- approved accredited graduate programs.

Prerequisite Foundation Courses for Non-Business Degree Students (Approved Business Related Content Experiences may substitute for one or more of these courses).

Foundation courses prepare students for study in the MBA program. If a student needs to complete any of these courses, the student must contact the Director of the MBA Program for information on the process of enrolling in these courses.

Exit Exam

Candidates for the MBA degree must take the ETS® Major Field Test for the Master of Business Administration during the semester in which the degree will be conferred.

ACCOUNTING (ACCT)

5237. Global Accounting.

2(2-0)

Study of the international dimensions of accounting, including the patterns of accounting development found in other nations, the development of worldwide accounting standards and the accounting problems associated with multinational corporate operations.

- 5302. Foundations in Accounting.** 3(3-0)
An introduction to financial and managerial accounting principles and procedures for graduate students with limited background in accounting or business. Study of measurement and reporting issues and their effect on revenue and expense recognition, equity and other related items. Study of managerial accounting issues, including enterprise planning and control.
- 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. Prerequisite: senior standing.
- 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: 24 semester hours of undergraduate business courses including ACCT 2302.
- 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.
- 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.
- 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.
- 5319. Special Problems in Accounting.** 3(3-0)
Study, research or internship in accounting. May be repeated once for credit. Prerequisite: consent of instructor.
- 5323. CPA Review.** 3(3-0)
Review of the major accounting, business and legal environment issues with respect to all sections of the CPA exam.
- 5327. Advanced Auditing.** 3(3-0)
Audit program planning and special reports, auditing topics. Prerequisite: ACCT 4311.
- 5331. Accounting and Value Creation.** 3(3-0)
This course provides a pragmatic study of selected financial and management accounting concepts, methods and practices relating to financial analysis, cost assignment, cost management, performance management and decision analysis. The course includes ethical topics in accounting and incorporates global issues relevant to the topic area.
- 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 US-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.

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 and the department head.

BUSINESS ADMINISTRATION (BUAD)

5102. Diversity in the Workplace. 1(1-0)
Develop an awareness and sensitivity to issues of race, religion, culture, age, gender, sexual orientation and disabilities in the work place, and become aware of ethical and legal issues related to diversity.

5103. Business and Professional Ethics. 1(1-0)
Issues, challenges and opportunities business leaders face in managing employee ethical behavior as they carry out their professional responsibilities and communicate with customers are discussed. The understanding of how to cope with conflicts between personal values and those of the organization is important in ethical decision making.

5201. Advanced Business Writing. 2(2-0)
Organization and preparation of reports of the type used in business, including proposals, informal and formal reports. Techniques of collecting, interpreting and presenting information useful to management to include the use of technology and the web for increasing productivity and enhancing the report content and image.

5204. Managerial Business Statistics. 2(2-0)
Statistical methods as applied to business and economic problem analysis: descriptive statistics, sampling, probability, statistical inference, regression analysis, correlation analysis, time series and index numbers.

5247. Global Business. 2(2-0)
Major business law topics and issues involved in international business transactions. Global topics discussed include areas in business, management, politics, law and culture and ethics.

5300. MBA Foundations I. 3(3-0)
This course is designed to provide students with a foundation of basic Financial Accounting and Economics. The Financial Accounting section will equip students with the fundamentals of Accounting, leading to financial statement preparation and interpretation. The Economics section will provide students with fundamental principles of micro and macro analysis that can be used to analyze firm behavior and the economy.

5301. MBA Foundations II. 3(3-0)
This course is designed to provide students with a foundation of basic Managerial Accounting and Finance. The Managerial Accounting section will provide students with knowledge regarding manufacturing costs and how to track them, budgeting and cost control. The Finance section will equip students with the necessary analytical skills and knowledge that are essential in the practice. Emphases will be given on Financial Statement Analysis, TVM, Valuations, and Capital budgeting decisions.

ECONOMICS (ECON)

5245. Global Economics. 2(2-0)
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 partners. Trade unions, tariffs, quotas and other non-tariff barriers to trade. Reasons and consequences of trade deficits.

5310. Economics and Managerial Decision Making. 3(3-0)
Studies markets in which firms compete within the context of a global supply chain, including markets for goods and services, financial markets, and labor. Emphasizes how the interactions of these markets affect the formulation and implementation of business strategies.

FINANCE (FINC)

5239. Global Finance. 2(2-0)
Foreign exchange markets, balance of international payments, borrowing and investment decisions. Changes in exchange rates: pricing, profitability and output decisions, international aspects of capital decisions.

5330. Foundations of Finance. 3(3-0)
An introduction to finance principles, analysis and procedures for graduate students with limited or no academic background in finance or business. Determining and analyzing the forms of business enterprise. Analysis of the techniques, methods and procedures used in acquisition and proper employment of funds in the business entity.

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 5330 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.

5347. Financial Management and Sustainability. 3(3-0)
This course is concerned with the theory and the practice of managerial finance, especially in the context of the publicly held corporation in the competitive global environment, their sustainability and value creation. The course includes analysis of current and historical financial position and short-term financial decisions. The course emphasizes long-term strategic decisions such as major investments, acquisitions and capital structure decisions. The principles of cost-benefit analysis, value creation, risk and return; and time value of money are demonstrated in a variety of business cases and real world examples. The course includes an introduction to portfolio theory, international finance and financial derivatives.

5350. Energy Finance. 3(3-0)
This course helps students learn the up-to-date energy outlook. It exposes students to the structure of oil and gas industry and key terminologies. In addition, it introduces financial statement analysis, capital budgeting and risk analysis, relative valuation, alternative energy such as nuclear and windmill power, and risk management in the energy industry. The goal of this course is to enhance students' understanding of financing and investment decisions in energy industry.

5352. Health Service Economics and Finance. 3(3-0)
This course is an introduction to the field of health economics with an emphasis on the economic key concepts that health economists use to analyze healthcare markets. This course also provides an overview of the financial structure, market forces, controls and techniques used in the financial management of healthcare organizations and the perspectives of the various interest groups involved (providers, insurers, policy makers, patients, and the general public.)

INFORMATION SYSTEMS (ISYS)

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: ISYS 5309 or permission of the instructor.

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: ISYS 5309 or permission of the 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: ISYS 5309 or permission of the instructor.

5340. Systems Analysis, Design and Implementation. 3(3-0)

Systems analysis, design and implementation techniques that can be used to analyze and improve or create organizational information and communications systems.

5342. Data Mining and Cyber Forensics. 3(3-0)

Study of Cyber Forensics, which is the science of finding and securing digital evidence within company networks. Discussion will focus on the increasing demand for Cyber Forensics usage, which is being driven by the proliferation and complexity of security issues increasingly being faced by companies.

5347. Information Systems and Business Analytics. 3(3-0)

This course provides an understanding of issues related to management information systems; the concepts and applications of methods and models to support the managerial decision-making process. Focus is on the understanding of knowledge management, data warehousing, data mining, predictive and prescriptive analytics.

5359. Special Problems in Computer Information Systems. 3(3-0)

Study, research or internship in ISYS. May be repeated once for credit. Prerequisite: consent of instructor. Laboratory fee, \$5.

MANAGEMENT (MGMT)

5241. Global Management. 2(2-0)

Management of the internationally competitive firm; topics considered include leadership, organizational structure, cultural differences and similarities and competitive analysis.

5250. Leadership Development. 2(2-0)

Program utilizes an interactive software called practiceware to learn and sharpen leadership skills in communication, dealing with tension and other stressors of business, effectively using power and ideas in organization and how to deal with conflict and culture change. Students will assess their interpersonal skills as well as how to use these interpersonal skills to deal with others.

5252. Leadership for Health Professionals. 2(2-0)

Examines the dynamic natures of organizations in the health services field and the implications for leaders and managers within the context of organizations as open systems from an individual group and system perspective. Examines principles of strategic leadership/management applied to health care organizations amid a changing environment and focuses on improving organizational efficiency, effectiveness and efficacy through leadership principles.

5254. Health Information Management. 2(2-0)

Addresses both the principles and practices of health information management by providing new ways for providers and their patients to readily access and use health information and information technology which has the potential to improve the quality, safety and efficiency of health care.

5256. Health Care Law and Ethics. 2(2-0)

Students will learn the important of health law and ethics, the basic principles and how they apply to practical Health Care management.

5258. Health Care Supply Chain Management. 2(2-0)

Provides understanding, knowledge and evaluation models to manage an organization's enterprise resource planning and management system, specifically with regard to the supply chain system and the management of that system as evaluated from a strategic, financial and operations management perspective.

- 5260. Health Care Organizational Design and Behavior.** 2(2-0)
Provides an overall perspective on the health care sector, discusses the distinctive challenges facing health care organizations and examines the roles of leaders and managers in influencing organizational culture, performance and change.
- 5262. Health Care Financial Management.** 2(2-0)
Presents the fundamental principles of finance through dynamic case studies and modern financial theory. A thorough introduction of the financial management for health care organizations including cost controls, basic accounting principles for health care, budgeting and variance analysis, selecting long-term and short-term assets and inventory management.
- 5264. Contemporary Issues in Health Care.** V:1-2
For Health Care Administration students to expose them to the most current economic, technical, political and social aspects of health care generally and reimbursement, community assessment, preparedness and alliances and mergers specifically based on contemporary issues within the healthcare industry.
- 5316. Global Strategic Management.** 3(3-0)
This course will examine strategy formulation and implementation in an international context. Students will examine topics such as country selection, product adaptation, political risk, managing diverse country institutions, strategic cross-border arbitrage, multinational financial management, and global leadership.
- 5320. Leading a Sustainable Organization.** 3(3-0)
This course will examine the meaning of sustainable development for an organization, the effect of global protocols and conventions on sustainable development strategies, and how industries derive their strategies for sustainable development. Challenges and opportunities related to developing policies and governance models that address the complex social, economic and environmental aspects of sustainability will be addressed.
- 5322. Seminar in Management.** 3(3-0)
Philosophy and concepts underlying modern management. Prerequisite: MGMT 3321 or MGMT 4327 or equivalent experience.
- 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: MGMT 3321, BUAD 3355 and MATH 1325. Laboratory fee, \$5.
- 5329. Special Problems in Management.** 3(3-0)
Special studies or internship in management. May be repeated once for credit.
- 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.
- 5339. Human Resource Management.** 3(3-0)
This course blends theory and practice surrounding the development and implementation of human resource management policy in organizations, to include: staffing; compensation; training and development; performance management; change management; employee and labor relations; employee health, safety and security; workforce diversity; ethics; the impact of globalization; and HRM delivery systems. It also incorporates the most relevant research and practical issues in contemporary strategic and operational human resource management.

5366. Health Service Management and Regulation. 3(3-0)

This course reviews the dynamic nature of organizations in the healthcare arena, as well as the legal implications for leaders and managers as part of this type of organization. The major managerial concepts that influence organizations in the healthcare sector, common management issues in these organizations; and the main laws and regulations that affect the healthcare field are examined.

5368. US Healthcare System and Policy. 3(3-0)

This course will examine the organization, financing, and delivery of healthcare in the United States. The course will introduce students to the basic concept of health insurance and contrast the private and public sectors. The course will explain different provider reimbursement methodologies and analyze how each methodology affects healthcare delivery, healthcare cost and provider's and patients' behavior. The course will explore the effects of competition in healthcare and the pros and cons of different national health insurance models. Finally, students will study the Affordable Care Act and analyze how this law affects each of the aforementioned areas.

5370. Leadership, Change & Innovation. 3(3-0)

This course focuses the theoretical foundations of leadership and the important role of the leader in organizational change and innovation initiatives. The investigation of leadership theory, change management, and innovation in this course leads students to demonstrate their understanding of dynamic leadership as it relates to self, others and the organization. Further, the course addresses change and innovation as it relates to competitive advantage in an ever changing global market.

MARKETING (MKTG)

5243. Global Marketing. 2(2-0)

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.

5310. Negotiation Strategies and Critical Thinking Skills. 3(3-0)

The course is concerned with the application of strategies and tactics, as well as the necessary ethical and critical thinking skills that are available to be applied to a variety of business, non-profit, and political environments. Special emphasis is placed on collaborative over competitive styles of negotiating.

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.

5317. Marketing, Management, and Value Creation. 3(3-0)

This course is concerned with the theory and application of various Marketing strategies designed to create value in both for-profit and non-profit organizations (i.e., where to go and how to best get there). Although special focus is given to online and mobile marketing techniques, including social media, more traditional Marketing approaches are also covered. The increasingly important concepts of "Ethics" and "Sustainability," as they apply to both ends of the organization's value chain are incorporated throughout this course via case studies and personal examples.

5320. Logistics and Supply Chain Management. 3(3-0)

This course will examine the basic components of Logistics and Supply Chain Management, the effect of efficient flow of materials, information, and financials within and among organizations, as well as the analytical foundations related to key concepts such as inventory, capacity, quality and customer service. Challenges and opportunities related to technology implementation and sustainable development will be addressed.

5361. Seminar in Marketing. 3(3-0)

Marketing theory and strategy emphasizing the utilization of marketing concepts in the organization. Prerequisite: MKTG 3361.

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.

Special studies or internship in marketing. May be repeated once for credit.

3(3-0)

MASTER'S PROGRAMS IN EDUCATION AND HUMAN PERFORMANCE

The College of Education and Human Performance offers graduate programs in Adult Education, Bilingual Education, Counseling and Guidance, Education, Educational Administration, Health and Kinesiology, Instructional Technology, Reading and Special Education. Graduate programs lead to the Master of Arts, Master of Education, Master of Science and Doctor of Education degrees.

The College of Education and Human Performance is dedicated to preparing individuals to assume positions of responsibility and leadership in education. The college is committed to serving an ethnically, culturally, and linguistically diverse population that comprises the university's student base and seeks to work cooperatively with area organizations in promoting quality education at all levels throughout the world. The college's goal is to prepare qualified personnel to meet the educational challenges of society with special emphasis on the needs of South Texas and North Mexico. 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 or MAT.

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND COUNSELING

Steve Bain, *Acting Graduate Coordinator, Adult Education*

Rhode Hall 100. MSC 223. Extension 2430.

LaVonne Fedynich, *Graduate Coordinator, Educational Administration*

Rhode Hall 128. MSC 223. Extension 4312.

Karen Furgerson, *Graduate Coordinator, 1. Counseling and Guidance; and 2. Clinical Mental Health Counseling*

Rhode Hall 132. MSC 223. Extension 3015.

Marybeth Green, *Graduate Coordinator, Instructional Technology*

Rhode Hall 139, MSC 223. Extension 2598

Graduate Faculty: Steve F. Bain, Linda Challoo, LaVonne C. Fedynich, Karen Furgerson, Kristopher Garza, Marybeth Green, Don Jones, Lori P. Kupczynski, Ya-Wen Liang, Gerri M. Maxwell, Marie-Anne L. Mundy

The Master of Education degree is available in Adult Education. Master of Science degrees permit individuals to major in Guidance and Counseling, Educational Administration and Instructional Technology.

The Master of Science in Instructional Technology includes an emphasis on technology in K12, higher education corporate and government settings. In addition, students acquire a wide range of knowledge and skills to support employment in the public and private sector. Instructional and educational standards derived from the principle accreditation organizations and other learned societies will be incorporated throughout the program.

Certificate programs in conjunction with a Master of Science Degree or post master's work are available in Principalship, Superintendent and School Counseling.

A Doctor of Education (Ed.D.) degree is available in Educational Leadership.

ADULT EDUCATION (ADED)

The Adult Education program prepares individuals to work with the unique problems and learning styles of adult learners. The Adult Education focus prepares individuals to work with the unique problems and learning styles of adult learners. With a focus on developmental, community, continuing and higher education, this fully online program offers curriculum in a mentoring environment to allow students to excel in many areas, including education, business, healthcare, military and nonprofit careers.

- 5301. Selected Topics in Adult Education.** 3(3-0)
Detailed analysis and evaluation of selected topics in adult education not otherwise treated in depth in available courses. May be repeated for credit when topics differ.
- 5305. Graduate Research Project.** 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5319. Methods of Adult Education.** 3(3-0)
Development of the knowledge, skills and attitudes which the adult education teacher should possess.
- 5360. Instructional Materials for Adult ESL Students.** 3(3-0)
A review of criteria for selection of materials to teach ESL to adult students. Principles for the development of effective ESL curriculum materials designed to meet the needs of adult ESL students.
- 5361. Assessment of Adult ESL.** 3(3-0)
Examines the purposes, types and evaluations of language assessment in adult ESL programs. The topics of the test reliability, validity and practicality will be discussed. A review of standardized and alternative methods or assessment including portfolio and participatory assessment will be included.
- 5379. Adult Learning and Development.** 3(3-0)
Research, theory and principles of adult learning and development explored. Evaluation of adult interests and skills through a variety of strategies discussed. Application of theory presented through class projects.
- 5388. Introduction to Adult Education.** 3(3-0)
A historical and structural overview of the adult education movement as well as a systematic examination of the role of the adult education across a wide range of institutional settings.
- 5389. Evaluation and Measurement in Adult Education.** 3(3-0)
An in-depth examination of principles of testing and measurement with particular reference to adult learners in a variety of adult education settings. Students will gain a working familiarity with the numerous testing instruments available for adults as well as gain skill in developing teacher-made measurements.
- 5390. Community Education.** 3(3-0)
Structure, purpose and strategies of community education as they relate to school administration and community development.
- 5391. Curriculum and Program Planning in Adult Education.** 3(3-0)
A review and analysis of the major theories, research findings and practices in the planning of adult education and training curricula. Appropriate practice and on-site application of concepts learned will be a major activity of this course.
- 5392. Adult Education Research Practicum.** 3(3-0)
Principles of research are examined in the context of the literature of the field of adult education. Guided opportunities for research of current adult education or training issues of theoretical and practical concern are provided under direction of a member of the adult education faculty.
- 5393. Counseling Adults.** 3(3-0)
Principles of education and vocational guidance and counseling to adults are reviewed, with special reference to illiterate and undereducated adults in South Texas. Supervised opportunities for practice and refinement of guidance and counseling skills are provided.

5394. Tutorial in Adult Education. 3(3-0)
Systematic research and practice in topics in adult education and/or training selected by the student in consultation with a member of the adult education faculty. May be repeated once when the topic of the tutorial study changes.

5395. Teaching English as Second Language to Adults. 3(3-0)
An intensive investigation and application of the theories, current research findings and methods of second language acquisition of adults.

5396. Teaching Literacy and Reading Skills to Adults. 3(3-0)
Methods, materials and techniques for teaching literacy and reading skills to adults.

5398. Bilingual Adult Education. 3(3-0)
In-depth treatment of the special learning problems encountered by illiterate, monolingual non-English speaking and undereducated adults.

COUNSELING AND GUIDANCE (EDCG)

The Counseling Program offers courses leading to one of two degree plans for potential counselors:

- Master of Science in Clinical Mental Health Counseling (CMHC). This is a 60-hour degree designed exclusively for those who wish to pursue licensure in Texas as a Professional Counselor. This degree also offers an emphasis in "Rural Mental Health Counseling".
- Master of Science in Counseling and Guidance. This is a 36-hour degree designed for those who seek certification in Texas a School Counselor or who wish to pursue a non-license degree.

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
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5310. Professional Orientation and Ethical Practice. 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.

5312. Counseling Techniques. 3(3-0)
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.

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 viewpoints will be presented to stimulate discussion, exploration and reflection.

- 5320. Education Special Problems in Guidance and Counseling.** 3(3-0)
Study of problems in designated areas approved by the university. May be repeated when the topic changes.
- 5321. Abnormal Human Behavior.** 3(3-0)
An in-depth look at the varieties of psychopathology, its etiology, classification and treatment. A look at 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 of this course 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.
- 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.
- 5323. Group Counseling Techniques.** 3(3-0)
Designed to provide the student with an understanding of group dynamics, theories and techniques.
- 5324. Assessment.** 3(3-0)
Historical perspective concerning the nature and meaning of assessment. Statistical concepts, social and cultural factors related to the assessment and evaluation of individuals, groups and specific populations and ethical strategies for selecting, administering and interpreting assessment and evaluation instruments and techniques in counseling.
- 5329. Educational Research.** 3(3-0)
Use of resources, techniques and basic skills.
- 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 is surveyed. The development of American higher education and many current issues being played out in the nation's colleges and universities are analyzed.
- 5336. Advanced Child Growth and Development.** 3(3-0)
Application of concepts of growth, behavior and learning in child development.
- 5337. Advanced Adolescent Growth and Development.** 3(3-0)
Application of concepts of behavior, development and learning of adolescents and youth.
- 5339. Human Growth and Development.** 3(3-0)
An understanding of the processes of human development in individual, familial, cultural and community contexts, including the following topics: cognitive and personality development, the influence of crisis and trauma on human behavior, psychopathology, addictions and situational factors that affect normal and abnormal behavior and the facilitation of wellness models for human processes.
- 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 in Culturally Different Children.** 3(3-0)
Cross-cultural and pluralistic counseling, the dynamics of minority ethnic group life-styles, and the uniqueness of multiethnic education.

- 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.
- 5357. Field Practicum for Counselors.** 3(3-0)
Supervised practice in the application of counseling strategies and techniques in environmental settings appropriate to the professional interests of the counselor trainee. May be repeated subsequent semester to a total of 9 semester hours. Prerequisite: 12 semester hours of graduate work in counseling.
- 5358. Elementary Guidance and Counseling Techniques.** 3(3-0)
Designed to give special attention to the particular personal, social and academic needs of elementary age children.
- 5360. Community/Rural Mental Health Counseling.** 3(3-0)
This is a specialized online course designed to address the unique needs of counseling rural communities and populations. Attention will be given to the uniqueness of rural counseling and communities, ethical considerations, working with existing educational and community entities, multicultural issues and challenges, and the various roles of the rural community counselor.
- 5362. Professional Counseling Leadership & Advocacy in Rural Communities.** 3(3-0)
This is a specialized online course designed to address the challenges of Counseling Leadership and Advocacy within a rural community context. Attention will be given to the changing role of the professional counselor (particularly within the rural settings). Key considerations for multicultural issues, ethical and legal practices, the uniqueness of rural clientele, and contemporary issues for Counseling Leadership and Advocacy will be covered in this course.
- 5364. Crisis Counseling.** 3(3-0)
This course will review crisis counseling techniques related to a variety of crisis situations that may occur within in families and with individuals in mental health agency and school settings. Students will learn the foundations of successful crisis intervention to assist in prevention and encourage personal growth and coping following a crisis experience. Issues related to family violence and other issues of trauma will be discussed. Students will participate in lecture and online discussion. For course credit, you must attend both online discussion and class.
- 5366. Internship I – Clinical Mental Health Counseling.** 3(3-0)
This is the first of two courses designed to provide an internship experience to meet certification and licensing requirements. This internship must provide opportunities for direct counseling experiences. Supervision is provided to assist the student in managing cases, improving counseling skills, and dealing with professional issues.
- 5368. Internship II – Clinical Mental Health Counseling.** 3(3-0)
This is the second of two courses designed to provide an internship experience to meet certification and licensing requirements. This internship must provide opportunity for direct counseling experiences. Supervision is provided to assist the student in managing cases, improving counseling skills, and dealing with professional issues.

EDUCATIONAL ADMINISTRATION (EDAD)

Advanced study in Educational Administration provides an opportunity for individuals to prepare for leadership positions in the field of education. Degrees and/or certification are available in Principalship and Superintendent. Included in each course of study is a one-semester supervised internship at an approved public school. All GPA requirements for a master's degree apply. Admission to the master's program and certification program requires a 2.8 undergraduate GPA.

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, design and methods.

5305. Graduate Research Project. 3(3-0)
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
This course is for thesis option students. The course required 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 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 political, social, economic, legal and cultural problems confronting schools into the twenty-first century.

- 5341. School Administration.** 3(3-0)
School systems with emphasis upon decision making and problem solving of school boards, superintendents, principals and teachers to promote student success.
- 5342. Principalship.** 3(3-0)
Administration and supervision of the elementary and secondary school; shared vision, leadership, organization, faculty functions, qualifications and selection.
- 5343. Managing School Resources.** 3(3-0)
Administration of the school. Function, organization, physical equipment, campus budgeting, personnel, resource utilization, financial management and technology use for a safe and effective learning environment.
- 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 to respond to diverse interests and needs, and mobilize resources to promote school success.
- 5383. Public School Law.** 3(3-0)
Federal and state legal regulations as they relate to public school administration. Integrity, fairness and ethics to promote student success.
- 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.

INSTRUCTIONAL TECHNOLOGY (EDIT)

The Master of Science in Instructional Technology includes an emphasis on technology in K12, higher education corporate and government settings. In addition, students acquire a wide range of knowledge and skills to support employment in the public and private sector. Instructional and educational standards derived from the principle accreditation organizations and other learned societies will be incorporated throughout the program.

- 5303. Internship in Instructional Technology.** 3(3-0)
Field-based projects and experiences for the purpose of practical application of instructional technology

- 5305. Graduate Research Project.** 3(3-0)
This course is specifically designed for project option students. A graduate research project must be completed and submitted to the Department Office for a grade to be assigned, otherwise an *S* or *U* notation is recorded. Prerequisite: departmental approval.
- 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.
- 5313. Principles of Instructional Design and Technology.** 3(3-0)
Provides an overview of the field of Instructional Technology. Course content and activities help students develop an awareness and understanding of the history, theories and philosophies driving the field. Course will survey current trends and issues in the field.
- 5315. Instructional Technology: Advance Topics** 3(3-0)
Selected topics related to Instructional Technology field. May be repeated when the topic changes.
- 5316. Instructional Design.** 3(3-0)
This course focuses on the application of instructional design principles to the systematic development of instruction. Upon completion of the course, students will have designed, developed, implemented, and evaluated a unit of instruction as well as materials related to its implementation, for a selected audience following an instructional design model.
- 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 Design and Production.** 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.
- 5321. Instructional Technology Leadership.** 3(3-0)
Analyzes the roles of the technology leader in an educational environment, including developing, planning, implementing and evaluating an initiative for technology integration. Emphasis will be placed on effective decision making strategies which optimize high quality learner outcomes.
- 5322. Computer and Internet Law.** 3(3-0)
Discusses and analyzes the federal, state and local laws regulating the use of computers and the Internet and the legal application to teaching and learning. Designed to assist technology professionals in the acquisition of the knowledge, skills and concepts to keep administrators, teachers and staff abreast of the evolving laws and rules in addition to the requirements to avoid litigation or legal problems in schools related to computer/Internet law.
- 5329. Education Research.** 3(3-0)
Use of resources, techniques and basic skills

5335. Action Research. 3(3-0)
Introduction to action research through the investigation of a significant question or issue related to instructional technology in student's learning environment.

5340. Emerging Trends and Issues in Instructional Technology. 3(3-0)
Using a framework to examine current emerging trends and issues in instructional technology, students will investigate and evaluate new tools, strategies, and critical issues for teaching and learning with instructional technology. Students will also review literature and practices to identify future trends in the field.

5372. Special Problems in Instructional Technology. 3(3-0)
Focuses on current problems in the field of Instructional Technology and integration of technology in schools. Content will include seminars, workshops and development in innovations in the world of technology and telecommunications as applied in the educational setting.

DEPARTMENT OF HEALTH AND KINESIOLOGY

David Cutton, *Graduate Coordinator*
SPEC 111. MSC 198. Extension 2372.

Graduate Faculty: Daniel Burt, David Cutton, Tyler Farney, Christopher M. Hearon, Lorraine Killion, Melody R. Knight, Brian E. Menaker, Alberto Ruiz, Nestor W. Sherman, Amber Shipherd

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 Department of Health and Kinesiology offers course work 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 36-credit hour course only option, a 36-credit hour option requiring a research project, or 30-credit hour option requiring a thesis. Each option affords students the opportunity to take free elective courses outside of health and kinesiology. Students may pursue a kinesiology generalist degree or they may choose to tailor their major elective coursework, free elective coursework and/or research so that their degree plan emphasizes sport administration/kinesiology pedagogy or health/exercise science. While the health/exercise science emphasis is only offered on-campus (i.e., face-to- face), the sport administration/kinesiology pedagogy emphasis is offered on-campus or completely online.

The requirements for admission to the M.S. in Kinesiology program are as follows:

1. Applicants must meet requirements for admission to the College of Graduate Studies, including GPA and GRE/MAT requirements specific to the College of Education and Human Performance.
2. Applicants must demonstrate the ability to communicate in writing at the level required to enable successful progression through the M.S. in Kinesiology Program.
3. Applicants must have undergraduate education in health, kinesiology or a related area.
 - a. An applicant who holds a bachelor's degree in kinesiology or related area from a regionally accredited college or university is eligible for admission into the program if his/her performance in critical undergraduate course work is deemed acceptable. An applicant who lacks certain critical course work or whose performance in certain critical course work is deemed unacceptable might be required to complete prerequisite undergraduate course work prior to or early in his/her graduate course work.
 - b. An applicant who holds a bachelor's degree from a regionally accredited college or university in an area

unrelated to kinesiology may be considered for admission to the program if he/she has completed at least 18 credit hours of kinesiology-related undergraduate course work. Of these 18 credit hours, at least 12 credit hours must be advanced. Additionally, the 18 credit hours must reflect acceptance performance in an adequate number of courses deemed to be critical course work. An applicant who lacks certain critical course work or whose performance in certain critical course work is deemed unacceptable might be required to complete prerequisite undergraduate course work prior to or early in his/her graduate course work.

4. Applicants must have a sincere interest in sports administration, kinesiology pedagogy, health/fitness and/or the exercise sciences.
5. Applicants must have demonstrated a high-level of professional and ethical conduct during their academic career to date.
6. Applicants, especially those whose qualifications are marginal, are encouraged to request letters of recommendation from their undergraduate professors. Letters of recommendation should be forwarded directly to the program coordinator.

HEALTH (EDHL)

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)

5301. Sports Coaching and Officiating. 3(3-0)
Coaching and coaching strategies, officiating and conducting of sports and athletic programs. Prerequisite: 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
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

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 corequisite.
- 5319. Psychological Aspects of Kinesiology.** 3(3-0)
Sport and psychological factors related to sport and exercise participation, active living and injury rehabilitation. Topics include socialization into and through sport and exercise; feedback, reinforcement and expectation effects; moral development; competition and competitive stress; self-perceptions; motivation and mental skills training.
- 5320. Motor Learning/Motor Control.** 3(3-0)
Provides instruction in how humans control locomotion and how they learn/re-learn motor skills. Specifically, emphasizes the observable behavioral aspects of motor control/learning while detailing the neurophysiological and biomechanical processes that result in the aforementioned motor behaviors.
- 5321. Sport and Athletic Law.** 3(3-0)
An examination of a variety of cases that have had a substantial impact on the legal environment of sport. As such, takes a case study approach in addressing such topics as antitrust law, constitutional law, contract law, employment law, intellectual property law, products liability, statutory law, Title IX and tort law.
- 5322. Fitness, Nutrition and Weight Control.** 3(3-0)
Provides instruction in macronutrient requirements at rest and during exercise, energy balance for body composition alteration or maintenance (i.e., obesity prevention), fluid and electrolyte balance during exercise and the vitamin/mineral concerns associated with exercise and performance. Additionally, will consider the preventative role of nutrition in various disease states including cardiovascular disease, degenerative bone disease and diabetes.
- 5323. Performance in Environmental Extremes.** 3(3-0)
The effect of heat/humidity, cold/windchill, depth, altitude, microgravity, hypergravity and air quality on the physiology of the resting and exercising human body.
- 5324. Youth Fitness and Performance.** 3(3-0)
Provides instruction in the history, assessment methods, trends and current issues related to youth fitness and performance facing practitioners in health and kinesiology.
- 5325. Aging and Physical Activity.** 3(3-0)
Examination of the physical dimensions of aging, with specific emphasis on the effects of physical activity on the process.
- 5326. Sport Marketing and Technology.** 3(3-0)
Examination of the intersection of marketing and technology in sport business management. In addition to defining the elements of marketing, examines the impact of technology on the marketing of sport and the reciprocal influence of marketing upon technology.

5327. Sport in the Modern World.

3(3-0)

Impact of kinesiology and sport on society and its institutions. Focuses on sport, physical activity and play as social and cultural phenomenon in modern societies. Social theory will be utilized to uncover how sport as a social institution interacts with other institutions in world societies.

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. Prerequisite: EDKN 4311 or equivalent.

Degree Requirements
Master of Science
Kinesiology
(Course only Option, 36 credit hours)

The 36 credit hour requirement is met through major core and major elective courses. Additionally, free elective courses may count towards the credit hour requirement.

Major Core Courses (9 cr hr):

EDKN 5312

EDKN 5317

EDKN 5338

Major Elective Courses (15-27 cr hr):

Select from 5000-level EDHL or EDKN courses except for EDKN 5305, EDKN 5306, EDKN 5312, EDKN 5317 or EDDKN 5338.

Free Elective Courses (0-12 cr hr):

Select from 5000-level courses outside of EDHL or EDKN as approved in advance by the Program Coordinator.
NOTE: If the student takes 9 or more credit hours of free electives in a specific discipline, he/she will be required to take a comprehensive examination covering his/her coursework from that discipline.

Degree Requirements
Master of Science
Kinesiology
(Research Project Option, 36 credit hours)

The 36 credit hour requirement is met through major core, major research and major elective courses. Additionally, free elective courses may count towards the credit hour requirement.

Major Core Courses (9 cr hr):

EDKN 5312

EDKN 5317

EDKN 5338

Major Research Courses (3 cr hr):

EDKN 5305

Major Elective Courses (12-24 cr hr):

Select from 5000-level EDHL or EDKN courses except for EDKN 5306, EDKN 5312, EDKN 5317 and EDKN 5338.

Free Elective Courses (0-12 cr hr):

Select from 5000-level courses outside of EDHL or EDKN as approved in advance by the Program Coordinator.
NOTE: If the student takes 9 or more credit hours of free electives in a specific discipline, he/she will be required to take a comprehensive examination covering his/her coursework from that discipline.

Degree Requirements
Master of Science
Kinesiology
(Thesis Option, 30 credit hours)

The 30 credit hour requirement is met through major core, major research and major elective courses. Additionally, free elective courses may count towards the credit hour requirement.

Major Core Courses (9 cr hr):

EDKN 5312

EDKN 5317

EDKN 5338

Major Research Courses (6 cr hr):

EDKN 5306A EDKN 5306B

Major Elective Courses (3-15 cr hr):

Select from 5000-level EDHL or EDKN courses except for EDKN 5306, EDKN 5312, EDKN 5317 and EDKN 5338.

Free Elective Courses (0-12 cr hr):

Select from 5000-level courses outside of EDHL or EDKN as approved in advance by the Program Coordinator.

NOTE: If the student takes 9 or more credit hours of free electives in a specific discipline, he/she will be required to take a comprehensive examination covering his/her coursework from that discipline.

DEPARTMENT OF TEACHER AND BILINGUAL EDUCATION

Jack Bradley, *Graduate Coordinator, Early Childhood*

Rhode Hall 260. MSC 196. Extension 2880.

Karen Sue Bradley, *Graduate Coordinator, Reading Specialization*

Rhode Hall 262. MSC 196. Extension 2898.

Norma Guzman, *Graduate Coordinator, Bilingual Education*

Rhode Hall 207. MSC 196. Extension 2802.

Marie Lassmann, *Graduate Coordinator, Education*

Rhode Hall 206. MSC 196. Extension 2907.

Patricia Huskin, *Graduate Coordinator, Special Education*

Rhode Hall 256. MSC 196. Extension 4912.

Lydia Landin, *Alternative Certification Program*

Rhode Hall 117, MSC 195, Extension 4313.

Graduate Faculty: Jack A. Bradley, Karen Sue Bradley, Mike Desiderio, Zonia Garcia-Obregon, Armando Garza, Gina Garza Reyna, Armando Garza, Jaya Goswami, Norma Guzman, Patricia Huskin, Marie Lassmann, Cheryl McNair, Monica Ratcliff, Arie Sherris, Roberto Torres

Associate Members: Olivia Modesto, Marsha Sowell

The Department of Teacher and Bilingual Education offers a Master of Arts and a Master of Science in in Bilingual Education, a Master of Science in Reading Specialization, a Master of Science in Education, a Master of Education in Early Childhood, and a Master of Education in Special Education. The programs are designed to serve the professional staff development needs of educators. Students can earn supplemental certificates valid in Texas while completing their master's degree.

BILINGUAL EDUCATION (EDBL)

5305. Graduate Research Project.

3

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis.

3

Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5338. Foundations of Bilingual Education.

3(3-0)

Introduction to conceptual, linguistic, sociological, historical and legal foundations of bilingual education.

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)

Methods, techniques and vocabulary needed for teaching mathematics, science and social studies in Spanish will be presented.

5387. Teaching Language Arts and Reading in the Bilingual Classroom.

3(3-0)

An examination of methods and techniques for teaching oral skills, reading and writing in the bilingual classroom. Relationship among the communication skills will be explored.

EARLY CHILDHOOD (EDEC)

The Early Childhood Program offers a master's degree (M.Ed.) in early childhood education. The program is designed to serve the professional development needs of educators.

5305. Graduate Research Project. 3

Designed for project option students. A graduate research project must be completed and submitted to the Department Office for a grade to be assigned, otherwise an *S* or *U* notation is recorded. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5316. Social and Natural Science Studies. 3(3-0)

Content and methods for promotion development of knowledge, skills and attitudes in social and natural sciences for preschool children. Unit themes will be developed for integrating curriculum.

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. Profession 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.

5349. Creative Activities and Play. 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.

5351. Special Problems Seminar in Early Childhood Education. 3(3-0)

The identification and research of specific problems as they relate to preschool programs. May be repeated once.

5352. Seminar in Early Childhood Program Leadership. 3(3-0)

The identification and study of the elements, issues, and challenges of leading an early childhood program.

5359. Mathematics in Early Childhood Education. 3(3-0)

Development of logical thought and reasoning in young children. Developmentally appropriate activities and materials for promoting quantitative concepts.

5369. Emergent Literacy in Early Childhood Education. 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.

EDUCATION (EDED)

The education classes serve to prepare individuals to work in all areas of education and many education related fields.

5303. Internship in Instructional Technology. 3(3-0)

Field-based projects and experiences for the purpose of practical application of instructional technology.

5304. Alternative Certification Teaching Internship. 3(3-0)

Designed for teachers seeking certification under the alternative 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.

5305. Graduate Project. 3(3-0)

This course is specifically designed for project option students. A graduate research project must be completed and submitted to the Department Office for a grade to be assigned, otherwise an *S* or *U* notation is recorded. Prerequisites: Department approval. May be repeated for a maximum of 6 semester hours.

5307. Novice Teacher Induction Seminar. 3(3-0)

Designed for novice teachers in high need schools. Provides an opportunity for them to strengthen their 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.

5308. Principles and Philosophy. 3(3-0)

School practice in the light of basic assumption of philosophy. Designed and conducted to stimulate critical thinking.

5315. Classroom Dynamics. 3(3-0)

Demonstrates the integration of two or more academic subjects into a learner-centered lesson that provides effective instruction for a diverse student population; evaluates the impact of the physical, cognitive, psychological and social aspects of child development on creation of a classroom environment that facilitates optimum growth of the whole child.

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 Design & Production. 3(3-0)

Provides opportunities to experience the instructional design process as applied to the development of 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.

5321. Instructional Technology Leadership. 3(3-0)

Analyzes the roles of the technology leader in an educational environment, including developing, planning, implementing and evaluating an initiative for technology integration. Emphasis will be placed on effective decision making strategies which optimize high quality learner outcomes.

5325. Instructional Design. 3(3-0)

This course focuses on the application of instructional design principles to the systematic development of instruction. Upon completion of the course, students will have designed, developed, implemented, and evaluated a unit of instruction as well as materials related to its implementation, for selected audience following the Dick and Carey model.

5327. Introduction to Online Learning. 3(3-0)

Explores effective instructional technology and design strategies in the online classroom. The course will include theory to support examination and analysis of current practices, analysis and synthesis of research, and discussion of issues related to teaching and learning in online environments.

5329. Education Research. 3(3-0)

Use of resources, techniques and basic skills.

5336. Advanced Child and Adolescent Development and Behavior. 3(3-0)
Study of the child and adolescent in contemporary society; ethnic background, interests, attitudes, values and needs; self- concept adjustment mechanisms; learning process, social, emotional and sexual development. Effectively working with teachers and EC-12 students.

5371. Education: Special Problems. 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.

ENGLISH AS A SECOND LANGUAGE (EDSL)

The Department of Teacher and Bilingual Education offers courses in English as a Second Language (ESL). The courses are designed to prepare teacher educators for leadership roles with educational institutions that serve culturally and linguistically diverse children and adults in the U.S.A. as well as global contexts (e.g., where English is a lingua franca or language for wider-communication).

5320. Research in English as a Second Language. 3(3-0)
Focuses on research in ESL with special emphasis on research methods suitable to the field.

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. Prerequisites: admittance to Master's Program in ESL.

5333. Contrastive Analysis: Spanish/English 3(3-0)
The study of contrastive analysis and its application in identifying potential problem areas for Spanish speakers learning English as a Second Language.

5335. Teaching Materials for Elementary and Secondary Classrooms. 3(3-0)
The evaluation, adaptation and development of instructional materials in ESL suitable for different elementary and secondary classroom environments.

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.

READING (EDRG)

Reading Specialist EC-12 Certification Program:

Coordinator – Dr. Karen Sue Bradley

The College of Education and Human Performance is accredited as a Reading Specialist EC-12 preparation program. The Reading Specialist EC-12 certificate is designed to be especially useful in working with students having difficulty in learning to read. The program emphasizes building on student's strengths and on providing program results in a Master of Science degree awarded by the university and certification as a Reading Specialist

issued by the State Board for Educator Certification after passing the Reading Specialist TExES exam and upon evidence of a minimum of 2 years of creditable teaching experience.

In addition to admission to the Graduate College, individuals interested in pursuing certification for Reading Specialist EC-12 must also submit an Application for Admission to Educator Preparation-Professional Class. Applications are available via the program coordinator or by contacting the Certification Coordinator located in Rhode Hall 112. Applicants to this program must hold a minimum of a bachelor's degree.

5305. Graduate Research Project. 3

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5314. Reading Diagnosis and Remediation. 3(3-0)

Identification of specific reading problems through both quantitative and qualitative examination of reading skills. Individually administered diagnostic instruments. Remediation techniques appropriate for overcoming the reading difficulty. Supervised case study work. Prerequisite: EDRG 5372.

5332. Using Trade Books to Teach Reading. 3(3-0)

Evaluation, selection and use of children's books in the elementary classroom are emphasized. Special attention is given to using children's literature to teach reading in the elementary school setting.

5348. Workshop in Teaching the Language Arts. 3(3-0)

The application of methods and materials to develop the essential elements of language arts (listening, speaking, writing and language) in the elementary classroom. Emphasis on diagnosis and remediation of individual students. Attention given to state testing programs.

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)

Topics such as reading readiness, beginning reading, word recognition and comprehension skills, needs assessment and instructional strategies.

5373. Improving Reading in Secondary Schools. 3(3-0)

Needs of students in secondary reading courses are examined and appropriate strategies for meeting those needs investigated. Special attention given to using adolescent literature to fulfill the state reading essential knowledge and skills requirements in secondary reading classes.

5375. Organization and Supervision of the 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)

A seminar investigating special topics in reading assessment, curriculum or instruction designed for reading specialists, supervisors, consultants and resource teachers. May be repeated for credit when topics change. Prerequisite: 6 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)

A career as a special education professional is a challenging one which offers various opportunities to work with students, their families, other professionals and the community to enable students with disabilities to become a successful member of society. Special educators are in great demand nationwide and the profession offers many career options.

The 36 semester hour M.Ed. degree in special education includes a supporting field and/or combined studies which provide eligibility for certification in Texas in the following areas: Special Education Teacher, Educational Diagnostician, Special Education Director, Special Education Supervisor or Special Education Visiting Teacher.

Educational Diagnostician EC-12 Certificate Program

Coordinator – Dr. Patricia Huskin

The College of Education and Human Performance is accredited as an Educational Diagnostician EC-12 preparation program. Successful completion of this preparation program results in a Master of Education degree awarded by the university and certification as an Educational Diagnostician issued by the State Board for Educator Certification after passing the TExES exam and upon evidence of a minimum of 2 years of creditable teaching experience.

In addition to admission to the Graduate College, individuals interested in pursuing certification for Educational Diagnostician EC-12 must also submit an Application for Admission to Educator Preparation-Professional Class. Applications are available via program coordinator or by contacting the Certification Coordinator located in Rhode Hall 112. Applicants to this program must hold a minimum of a bachelor's degree and a valid classroom teaching certificate.

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

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3

Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

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 Education: Special Problems. 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.

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.
- 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 Testing.** 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.

EDUCATION (EDUC)

This degree provides for 18 graduate hours in education and 18 graduate hours in a field of choice. It will prepare students to teach dual enrollment courses, community college courses and/or pursue a higher degree.

MASTER'S PROGRAMS IN ENGINEERING

The Frank H. Dotterweich College of Engineering offers the Master of Science degree with a major in Engineering, Industrial Management or Computer Science. The engineering majors include Chemical, Civil, Electrical, Environmental, Industrial, Mechanical and Natural Gas Engineering. The college also offers the Master of Engineering degree, which is further explained below. The Master of Science degree is a Thesis, Research Project or Courses Only Option requiring the completion of 30 to 36 semester hours of graduate work in Engineering, including the thesis on the Thesis Option. The Thesis Option degree is recommended for those interested in research or those wishing to work toward a doctoral degree. Detailed requirements for each of the plans are described in the general section of this catalog. Specifics of the Master of Engineering degree are explained below.

Master of Engineering

The Master of Engineering degree is a special program intended to prepare students for professional careers in engineering and to provide the opportunity for advanced studies to practicing engineers. Students who intend to continue academic work toward a doctoral degree are urged to see the Master of Science degree with a major in engineering. The Master of Engineering degree requires the completion of 36 semester hours of approved graduate work. Registration as a Professional Engineer in the State of Texas may qualify a person to complete this degree in 30 semester hours.

Twenty-one hours of course work must be in the field of engineering; 6 of those hours must be in the candidate's field of engineering practice. All of the hours must be at the 5000 level. The remaining 15 hours may be chosen from the fields of engineering, mathematics, science and business administration.

The candidate's course work requirements will be approved through consensus of the candidate and the Master of Engineering guidance committee. With the approval of the guidance committee, a candidate may be allowed to transfer, for degree credit, college course credits usable for graduate studies, not to exceed 15 semester hours. Additional stem work above the 36 semester hours requisite for the degree may be required by the guidance committee to ensure that students have sufficient background for the courses in their degree plans. The committee will consist of one representative from each of the professional degree areas presently offered by the Frank H. Dotterweich College of Engineering.

A research or design project and report will be required. This is defined as a research paper or design project produced as a major assignment in a 3 hour graduate 5000 level course or by completing 3 hours of 5305 Research. A comprehensive examination shall be passed by the candidate, consisting of an oral defense of the candidate's design or research project and related areas.

Before the granting of this degree the candidate will have spent a minimum of four years of full-time professional activity of an engineering nature and quality acceptable to the guidance committee.

Admission to any of the graduate programs in the Frank H. Dotterweich College of Engineering requires a baccalaureate degree and adequate course work in the field of interest and a satisfactory score on the GRE Aptitude test.

WAYNE H. KING DEPARTMENT CHEMICAL AND NATURAL GAS ENGINEERING

Patrick Mills, *Department Chair*

Engineering Complex 303. MSC 193. Extension 2002.

The objectives of the graduate studies in the Chemical and Natural Gas Engineering programs are as follows.

1. To prepare students for successful careers and major contributions to the petroleum and chemical process industries by instilling in them fundamental concepts as well as practical knowledge of modern engineering to overcome current as well as future challenges of the industries.
2. To prepare students for doctoral study in petroleum/chemical or related disciplines.
3. To instill in students a sense of responsibility to their profession and to society in general.

The Wayne H. King Department of Chemical Engineering and Natural Gas Engineering offers programs in developing interdisciplinary specialties, as well as in the more traditional areas of Chemical and Natural Gas Engineering.

Several modern engineering buildings contain laboratories, including unit operations, process control, gas measurement and drilling facilities. Excellent computer facilities also are available.

Degrees Offered

The Ph.D. degree is available in Sustainable Energy Systems Engineering.

The Master of Science degree is available in Chemical and Natural Gas Engineering

CHEMICAL ENGINEERING (CHEN)

5303. Advanced Topics in Chemical Engineering.

V:1-3

One or more advanced topics. May be repeated for a maximum of 6 semester hours when topic changes.

5305. Graduate Research Project.

3

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis.

3

Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5308. Transport Processes.

3(3-0)

An advanced and unified treatment of fluid mechanics and heat transfer, stressing the fundamental equations of momentum and energy transport and their applications in chemical engineering.

5309. Separation Processes.

3(3-0)

A basic understanding of the concepts underlying the solution, behavior and computation of separation processes is stressed. Both staged and continuous separation methods are considered. (Credit may not be obtained in both CHEN 5309 and NGEN 5309.)

5311. Chemical Process Design and Economics.

3(3-0)

A comprehensive treatment of process design problems with emphasis on the engineering economics of the chemical process industry.

5314. Optimization of Chemical Processes.

3(3-0)

Optimization techniques and their application in the chemical and petroleum industries. (Credit may not be obtained in both CHEN 5314 and NGEN 5314.)

5331. Simulation and Analysis of Chemical Engineering Processes. 3(3-0)
Analytical and numerical techniques for the simulation and analysis of processes and equipment employed in the chemical and petroleum industries.

5333. Chemical and Catalytic Reaction Engineering. 3(3-0)
Analysis of various interactions between physical and chemical rate processes and their influences on the design and control of chemical reactors.

5334. Biochemical Engineering. 3(3-0)
Kinetics of microbial growth and enzyme-catalyzed reactions, mass transfer in bioprocess systems, design and analysis of biological reactors and the recovery of products from such operations.

5336. Rheology. 3(3-0)
The study of non-Newtonian fluid flow behavior. Designed to provide a comprehensive understanding of theoretical as well as practical aspects of the flow of non-Newtonian fluids. (Credit may not be obtained in both CHEN 5336 and NGEN 5336.)

5360. Advanced Natural Gas Processing. 3(3-0)
Study of the latest processes that are utilized in the natural gas industry. It includes analysis, design and optimization of various natural gas processes with considerations of economics, environmental and safety aspects. (Credit may not be obtained in both CHEN 5360 and NGEN 5360.)

5361. Advanced Process Dynamics and Control. 3(3-0)
Fundamentals of modern process control theory are covered and applied to control applications in the chemical and petroleum industries. (Credit may not be obtained in both CHEN 5361 and NGEN 5361.)

5371. Advanced Chemical Engineering Thermodynamics. 3(3-0)
The general equations of multicomponent-multiphase systems, with application to phase equilibria and chemical reaction equilibria. Prerequisite: CHEN 3371.

5401. Advanced Problems in Chemical Engineering. V:1-4
Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit 8 semester hours.

NATURAL GAS ENGINEERING (NGEN)

5303. Advanced Topics in Natural Gas Engineering. V:1-3
One or more advanced topics. May be repeated for a maximum of 6 semester hours when topic changes.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5309. Separation Processes. 3(3-0)
A basic understanding of the concepts underlying the solution, behavior and computation of separation processes is stressed. Both staged and continuous separation methods are considered. (Credit may not be obtained in both NGEN 5309 and CHEN 5309.)

5310. Petroleum Property Evaluation. 3(3-0)
The application of theoretical and practical principles for the evaluation of oil and gas properties and the qualification of risk and uncertainty in petroleum exploration through decision analysis.

- 5311. Two-Phase Flow.** 3(3-0)
The simultaneous flow of gases and liquid through vertical and horizontal conduits and through porous media. Special emphasis is placed on the applications encountered in the natural gas industry.
- 5312. Pressure Transient Analysis.** 3(3-0)
Methods of analysis of pressure transient data obtained from well testing for the purpose of determining in situ reservoir characteristics and conditions.
- 5313. Cryogenic Engineering.** 3(3-0)
The theory and design of equipment for the production and handling of liquified natural gas and other cryogenic materials.
- 5314. Optimization of Chemical Processes.** 3(3-0)
Optimization techniques and their application in the chemical and petroleum industries. (Credit may not be obtained in both NGEN 5314 and CHEN 5314.)
- 5325. Natural Gas Production and Distribution.** 3(3-0)
Theory, design and methods of gas well testing and production. Distribution topics include pipeline and compressor design and flow measurement. Prerequisite: CHEN 3392 or equivalent.
- 5327. Natural Gas Drilling Engineering.** 3(3-0)
Drilling equipment and methods, drilling fluids, completion of wells including casing and cementing design. Prerequisite: CHEN 3392 or equivalent.
- 5336. Rheology.** 3(3-0)
The study of non-Newtonian fluid flow behavior. Designed to provide a comprehensive understanding of theoretical as well as practical aspects of the flow of non-Newtonian fluids. (Credit may not be obtained in both NGEN 5336 and CHEN 5336.)
- 5360. Advanced Natural Gas Processing.** 3(3-0)
Study of the latest processes that are utilized in the natural gas industry. It includes analysis, design and optimization of various natural gas processes with considerations of economics, environmental and safety aspects. (Credit may not be obtained in both NGEN 5360 and CHEN 5360.)
- 5361. Advanced Process Dynamics and Control.** 3(3-0)
Fundamentals of modern process control theory are covered and applied to control applications in the chemical and petroleum industries. (Credit may not be obtained in both NGEN 5361 and CHEN 5361.)
- 5363. Advanced Reservoir Engineering.** 3(3-0)
Phase relations of hydrocarbon systems, material balance methods, flow in reservoirs and displacement of gas. The application of computers to reservoir engineering.
- 5387. Quantitative Well-Log Analysis.** 3(3-0)
Theory of special well-logging techniques and applications.
- 5401. Advanced Problems in Natural Gas Engineering.** V:1-4
Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit of 8 semester hours.

DEPARTMENT OF CIVIL AND ARCHITECTURAL ENGINEERING

Dr. Joseph Sai, *Department Chair*

Engineering Complex 376. MSC 194. Extension 2266.

CIVIL ENGINEERING (CEEN)

The graduate program in Civil Engineering is designed to enhance the fundamental concepts and practical knowledge of modern engineering. The program will prepare students for immediate engineering challenges with a lifetime of professional advancement and provide students with an educational background to cope with future technological advancements as well as the ability to pursue Ph.D. studies.

Degrees Offered

The Masters of Science degree is available in Civil Engineering.

5303. Advanced Topics in Civil Engineering. V:1-3
One or more advanced topics. May be repeated for credit when change in topic.

5304. Internship in Civil Engineering. V:1-3
Allows civil engineering graduate students the opportunity to participate in internships with industry, government and consulting companies in career-based practical activities to broaden the skills obtained through curricular education. Attention will be given to select opportunities where the job training enhances the particular research needs of each student. Credit/Noncredit.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5310. Theory of Elasticity. 3(3-0)
Introduction to index and tensor notations; discussion of the concept of stress, strain, deformations, strain compatibility and constitutive relations; formulation and solution of extension, bending, torsion and two-dimensional elasticity problems. (Credit may not be obtained in both CEEN 5310 and MEEN 5320.)

5311. Advanced Reinforced Concrete Design. 3(3-0)
Analysis and design of flat plate, flat slab and two-way slab systems for gravity loads and lateral loads. Yield line theory of slabs. Deep beams, shear-friction, brackets and corbels. Length effects on braced and unbraced columns. Prerequisite: CEEN 3304.

5312. Engineering Reinforced Concrete Slabs. 3(3-0)
Elastic plate theory, finite difference, behavior of two-way slabs, ACI code design methods, upper and lower bound methods, serviceability, shear strength, pre-stressed slabs. Prerequisite: graduate standing in engineering.

5313. Numerical Methods in Civil Engineering. 3(3-0)
Numerical methods for advanced analysis and design applications in Civil Engineering. Prerequisite: MATH 5372. (Credit may not be obtained for both CEEN 5313 and MEEN 5313.)

5314. Finite Element Methods in Engineering. 3(3-0)
Principles and applications of the Finite Element Method: energy based variational principle methods, the principles of virtual work, weighted residual methods. Emphasis on structural and nonstructural elements and applications. Prerequisite: CSEN 2304 or equivalent and graduate standing.

- 5315. Hydraulics of Open Channels.** 3(3-0)
Application of momentum and energy principles to advanced topics in uniform, nonuniform, gradually varied and rapidly varied flow problems. Backwater flow profile computation in steady flow. The method of characteristics applied to unsteady flows. Jeffreys-Verdernikov criteria. Flood routing calculations by advanced computer methods. Prerequisite: CEEN 3392 or CHEN 3392.
- 5316. Engineering Mechanics of Fiber Composites.** 3(3-0)
Introductions of basic composite material technologies, properties of classic laminate theory, transformation of stresses and strains, failure theories, performance under adverse conditions, structural design considerations, computer applications, application of composites to concrete structures and practical case studies. Prerequisite: graduate standing in engineering.
- 5320. Foundation Engineering I.** 3(3-0)
Engineering characteristics of soils, consolidation, soil strength and bearing capacity for the analysis and design of spread and continuous footings, compensated foundations and deep foundations. Prerequisite: graduate standing in engineering.
- 5321. Structural Dynamics.** 3(3-0)
Dynamic disturbances, such as earthquakes and blasting. Vibration of beams, frames and floor systems; response to various types of external disturbances; energy methods. Prerequisite: MEEN 3355.
- 5322. Foundation Engineering II.** 3(3-0)
Engineering characteristics of soils, soil strength, lateral earth pressure theories, analysis of braced walls for excavation, retaining walls, sheet-pile walls and cofferdams. Prerequisite: graduate standing in engineering.
- 5333. Advanced Strength of Materials.** 3(3-0)
Torsion of noncircular sections, membrane theory of shells, bending of plates and beams on elastic foundations. Two dimensional elasticity theory. Prerequisite: CEEN 3311.
- 5335. Prestressed Concrete.** 3(3-0)
Principles and methods of design of members subject to linear prestressing; time-dependent variables and long-time deflections. Prestressed columns. Prerequisite: CEEN 3304.
- 5337. Advanced Structural Analysis.** 3(3-0)
Theorems of external work and internal strain energy. Classical methods of analysis. Continuous girders and frames with variable moments of inertia. Influence lines for redundant reactions. Analysis of sideways by moment distribution. Introduction to matrix analysis of structures. Prerequisite: CEEN 3303.
- 5340. Water Resources Engineering.** 3(3-0)
Comprehensive integration of engineering, economics, environmental, legal and political considerations in water resources development and management, current issues and future direction for planning and management of water resources.
- 5350. Transportation Engineering I.** 3(3-0)
Profession of transportation, transportation industry-systems and organizations, modes of transportation and their characteristics, transportation planning, forecasting travel demand by mode, evaluation of transportation alternatives including economic criteria, transportation systems management.
- 5353. Design of Intelligent Transportation Systems.** 3(3-0)
The use of modern electronics and communication technologies to improve the performance of the transportation system. Basic principles of design intelligent transportation systems for urban and rural areas will be introduced.
- 5355. Groundwater Hydrology.** 3(3-0)
An applied course dealing with groundwater hydrology and its interrelation with surface water, water well design, well pumps, well hydraulics, pumping tests and safe yield of aquifers, artificial recharge, flow nets, salt water intrusion and some modeling of groundwater flow. Prerequisites: CEEN 3392 or CHEN 3392.

5356. Physicochemical Treatment of Water and Wastewater. 3(3-0)
Theory and fundamentals of physical and chemical unit processes used for water and wastewater treatment. Process analysis, water quality criteria and standards and pertinent journal articles are reviewed. Prerequisite: B.S. in Civil or Chemical Engineering.

5360. Advanced Structural Engineering. 3(3-0)
Initial value problems, elasticity preview, basic energy principles and applications to pin-connected structures, calculus of variation, applications to plates, stability, applications to dynamics. Prerequisite: graduate standing in engineering.

5361. Advanced Structural Steel Design. 3(3-0)
Design of steel structural members, including composite beams, plate girders and connections following the AISC LRFD specifications, economy evaluation of building design and design of frame structures including second order effects. Prerequisite: graduate standing in engineering.

5368. Biological Treatment of Wastewater. 3(3-0)
Analysis of biological unit processes used to treat wastewater. General models for suspended growth and fixed film biological systems are developed using the mass balance concept. Review of pertinent journal articles. (Credit may not be obtained for both CEEN 5368 and EVEN 5326.)

DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

Dr. Rajab Challoo, *Department Chair*
Engineering Complex 207. MSC 192. Extension 2004.

Graduate Program Objective

The objective of the graduate electrical engineering and computer science programs is to produce graduates with broad and up-to-date knowledge, skills and judgment, prepared for professional careers in industry and/or further studies that emphasize advanced design, development and research methods.

Degrees Offered

The Ph.D. degree is available in Sustainable Energy Systems Engineering.
The Master of Science degree is available in both Electrical Engineering and Computer Science.

Facilities

The facilities of the department include laboratories for work in electronics, microwaves, controls and dynamic systems, signal processing, energy conversion, electric drives and power electronics, microcomputer system development and a wide range of digital and analog computational facilities.

COMPUTER SCIENCE (CSEN)

5303. Advanced Topics in Computer Science. V:1-3
One or more advanced topics. May be repeated when topic changes. (Credit may not be obtained for both CSEN 5303 and EEEN 5303 courses if the topic is the same.)

5304. Advanced Computer Architecture. 3(3-0)
Introduces the design principles of modern computers. The topics include RISC and CISC architecture, interconnection networks, multiprocessors and multicomputer systems, dataflow and systolic arrays, future outlook for architectures and the basics of parallel algorithms. Credit may not be obtained in both CSEN 5304 and EEEN 5304.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5313. Compiler Design.** 3(3-0)
Introduces the structure of a compiler and the various techniques used for designing a compiler. Topics include grammars, parsing methods, implementation details and translator writing systems.
- 5314. Database Systems.** 3(3-0)
Basic concepts and architecture of database systems, ER model, relational model, relational algebra, SQL, ER-to-rational mapping, functional dependencies normalization, database design process, object-oriented database. Distributed database. Prerequisite: graduate standing in computer science or another engineering discipline.
- 5322. Operating Systems.** 3(3-0)
Operating systems principles; procedures and their implementation; protection, concurrent, cooperating and communicating processes; storage management; resource allocation; scheduling; file systems; and system design issues.
- 5323. Computer Communication Networks.** 3(3-0)
The International Standards Organization (ISO) Open Systems Interconnection (OSI) model as a framework for the study of computer communication networks. Data communication. Functions and protocols of physical layer, medium access sublayer, link layer, network layer and transport layer. Case studies. ISDN. Prerequisite: graduate standing in computer science or electrical engineering.
- 5325. Software Engineering.** 3(3-0)
Covers development life-cycle models, inspection process, software quality metrics, testing, validation metrics, estimation and scheduling. Prerequisite: graduate standing in engineering.
- 5333. Real Time Systems.** 3(3-0)
Characteristics of systems and techniques used in real time computer applications. Scheduling theory, verification and design techniques including simulation and probabilistic models. Prerequisite: graduate standing.
- 5334. Algorithmic Graph Theory and Perfect Graphs.** 3(3-0)
Introduction to new results in algorithmic graph theory and perfect graphs. Presentation of algorithms and applications associated with different structured families of graphs. Survey of new research directions. Prerequisite: graduate standing.
- 5336. Analysis of Algorithms.** 3(3-0)
Introduction of the design and analysis of computer algorithms. Topics include asymptotic efficiency; a survey of useful algorithms for sorting, information retrieval and graphs; paradigms for algorithm design; and a brief introduction to complexity classes including NP. Prerequisite: graduate standing.
- 5337. Theory of Computation.** 3(3-0)
Examination of Turing machine theory; decidability; reduction of one problem to another; complexity theory and NP- completeness. Analysis of the intrinsic difficulty of entire classes of problems. Prerequisite: graduate standing.
- 5339. Embedded System Design.** 3(3-0)
Embedded system architecture and programming. Role of microprocessors, input/output, analog and digital interfacing and peripherals in hardware integration. (Credit may not be obtained for both CSEN 5339 and EEEN 5339. Prerequisites: EEEN 5333, EEEN 5330 (or approval of instructor).
- 5350. Application of Neural Networks.** 3(3-0)
Includes a review of network architectures, perceptron, linear networks, back-propagation and radial basis networks. A real-time laboratory experience in seeing the application of neural networks. Prerequisite: graduate standing in Computer Science. (Credit may not be obtained in both CSEN 5350 and EEEN 5350.)

5401. Advanced Problems in Computer Science. V:1-4
Individual or group research on advanced problems conducted under the supervision of a faculty member.
Maximum credit 8 semester hours.

ELECTRICAL ENGINEERING (EEEN)

5303. Advanced Topics in Electrical Engineering. V:1-3
One or more advanced topics. May be repeated when topic changes. (Credit may not be obtained in both EEEN 5303 and CSEN 5303 courses if the topic is the same.)

5304. Advanced Computer Architecture. 3(3-0)
Introduces the design principles of modern computers. The topics include RISC and CISC architectures, interconnection networks, multiprocessors and multicomputer systems, dataflow and systolic arrays, future outlook for architectures and the basics of parallel algorithms. Credit may not be obtained in both EEEN 5304 and CSEN 5304.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5321. Digital Computer Design. 3(3-0)
Register operations, arithmetic operations, control of operations, memory systems, methods of input and output. Examples of commercial systems, system design of a general purpose computer.

5324. Control System Synthesis. 3(3-0)
Actuators and transducers, static and dynamic accuracy of systems, describing functions, compensation, design of typical control systems.

5326. Dynamic Systems I. 3(3-0)
Mathematical analysis of engineering, dynamic systems. Modeling, simulation, transfer functions, state variables, stability of linear systems.

5327. Dynamic Systems II. 3(3-0)
Continuation of Dynamic Systems I. Nonlinear systems, discrete time systems, control of engineering systems, methods of optimization. Prerequisite: EEEN 5326.

5329. Adaptive Control. 3(3-0)
Signal and system norms, L_p functions, adaptive parameter identification and control, stability, Model Reference Adaptive Control (MRAC), multi objective evolutionary/genetic algorithms, adaptive backstepping and robust adaptive control laws. Prerequisite: EEEN 4354 or consent of instructor.

5330. Rapid Prototyping and ASIC Design. 3(3-0)
Principles of electronic system design using Application-Specific Integrated Circuits (ASIC) approach: digital hardware modeling techniques using an HDL, logic simulation, logic synthesis, standard cells, gate arrays, sea of gates, bit serial hardware design methods and analog methods.

5331. Digital Signal Processing. 3(3-0)
Digital processing of signals, z-transform, digital filters, discrete and fast Fourier transforms, power spectrum, autocorrelation, cepstrum analysis.

5333. Principles of VLSI Circuit Design. 3(3-0)
Principles of design and fabrication of microelectronic circuits via Very Large Scale Integrated circuitry (VLSI), structured design methods for VLSI systems, use of computer-aided design tools, design projects of small to

medium scale integrated circuits.

5335. Microcomputer Based Design. 3(3-0)
Role of microcomputers, register and data manipulation, hardware, memory, input/output, hardware and software development, algorithmic processes.

5336. Computer Communication Networks. 3(3-0)
The International Standards Organization (ISO) Open Systems Interconnection (OSI) model as a framework for the study of computer communication networks. Data communication. Functions and protocols of physical layer, medium access sublayer, link layer, network layer and transport layer. Case studies. ISDN. Prerequisite: graduate standing in computer science or electrical engineering.

5337. Digital Image Processing. 3(3-0)
Introduces the computer vision systems. Topics include edge detection, spatial-domain processing, frequency-domain processing, color processing, texture analysis, shape analysis and making movies from a deck of frames.

5338. Digital and DSP Based Control. 3(3-0)
Classical and modern control analysis and design methods and techniques. Topics include discrete control system analysis, sampled data systems, discrete equivalents of continuous systems, design using transform techniques, design using state- space methods and the real-time control of dynamic systems using digital computers and micro-controllers.

5339. Embedded System Design. 3(3-0)
Embedded system architecture and programming. Role of microprocessors, input/output, analog and digital interfacing and peripherals in hardware integration. (Credit may not be obtained for both EEEN 5339 and CSEN 5339. Prerequisites: EEEN 5333, EEEN 5330 (or approval of instructor).

5340. Speech Processing. 3(3-0)
Fundamentals of digital signal processing, waveform coding, speech spectrum, voice coders, linear predictive coding, speech recognition, adaptive noise cancellation and multirate signal processing.

5341. Advanced Digital Integrated Circuits. 3(3-0)
Advanced concepts of circuit design for digital Very Large Scale Circuitry (VLSI) components in state-of-the-art Complementary Metal Oxide Semiconductor (CMOS) technologies. Emphasis is on the design and optimization of high- speed (high performance devices), high density (heterogeneous systems on a chip) and low-power (portable applications) integrated circuits. Prerequisites: EEEN 5330, EEEN 5333 (or approval of instructor).

5342. Wireless Communications. 3(3-0)
Fundamental concepts and technologies in the area of wireless communication systems such as wireless applications, modulation techniques, wireless channel models, digital communication over wireless channels, multiple access techniques and wireless standards.

5350. Application of Neural Networks. 3(3-0)
Includes a review of network architectures, perceptron, linear networks, back-propagation and radial basis networks. A real- time laboratory experience in seeing the application of neural networks. Prerequisite: graduate standing in Computer Science. (Credit may not be obtained in both EEEN 5350 and CSEN 5350.)

5401. Advanced Problems in Electrical Engineering. V:1-4
Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit 8 semester hours.

DEPARTMENT OF ENVIRONMENTAL ENGINEERING

Dr. Lee Clapp, *Department Chair*

Engineering Complex 361. MSC 213. Extension 4007.

ENVIRONMENTAL ENGINEERING (EVEN)

The Environmental Engineering Program is an interdisciplinary program which prepares graduate students for professional careers in one or more of the following areas: Air Quality, Water Quality, Solid/Hazardous Waste, Ecological Engineering, Environmental and Occupational Health, Environmental Systems, Environmental Informatics and Environmental Biotechnology. There are state-of-the-art laboratories and computer facilities available for research and teaching.

Environmental Engineering master's students are eligible to take doctoral level environmental engineering courses as part of their degree plan, and two or more electives from the environmental engineering curricula or other disciplines with committee approval.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
For thesis option 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.

DEPARTMENT OF INDUSTRIAL MANAGEMENT AND TECHNOLOGY

Dr. Farzin Heidari, *Interim Department Chair*

Industrial Technology 110. MSC 203. Extension 2608.

The Master of Science in Industrial Management is an interdisciplinary program that prepares graduates to assume leadership roles and positions in a variety of industrial, processing, and/or construction industries. The program will familiarize students with philosophies and strategies currently used for improving production and provide students with further technical knowledge in areas such as quality assurance, industrial safety, and automated production. Students will also become familiar with research methods and techniques commonly used to solve problems in industrial settings.

INDUSTRIAL MANAGEMENT (IMEN)

5300. Research Method and Project Development. 3(3-1)
Examination of data collection and analysis with an emphasis on distributions, probability, simple and multiple regression, ANOVA and other statistical analysis technique. Statistical concepts are reinforced using industry-related data and a well known and widely used data analysis software program. Prerequisite: graduate standing.

5301. Industrial Management. 3(3-0)
Concepts and techniques used by supervisors in industrial settings. Effective supervisory strategies to combat global competition will also be covered. Prerequisite: ITEN 1315 or ITEN 3300 or consent of instructor.

5305. Graduate Research Project. 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis. 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5315. Constraint Management and Mistake Proofing. 3(3-0)

An examination of constraint management principles, strategies and concepts as they relate to industrial settings. Also includes an exploration of the tools and techniques that can be used to: (a) measure production performance, (b) overcome core production problems and (c) integrate solutions into business planning and decision making.

5320. Special Topics in Industrial Management. V:1-3

Courses will concentrate on themes not present in the current IMEN curriculum. May be repeated for a maximum of 6 semester hours when topic changes.

5322. Project Scheduling. 3(3-0)

Analysis of both industrial methods and managerial issues related to operations management. Topics will be tied to increasing efficiency, reducing time required to complete jobs and utilization of resources. Case studies and supplement readings are used to demonstrate real world issues and applications. Prerequisite: graduate standing.

5330. Six Sigma Quality and Continuous Improvement. 3(3-1)

An examination of the various methods and approaches used to achieve, sustain and improve the quality of a product or service. Also includes an exploration into the principles and techniques used to evaluate both continuous and attribute data with an emphasis on the enhancement of skills in computer software that are used in quality assurance activities and/or data analysis. Prerequisite: ITEN 4352 or ITEN 4362 or permission of instructor.

5333. Hazardous Materials Management. 3(3-0)

Managerial techniques for effective handling and control of hazardous materials and fires. Standards, code compliance issues and the role of the industrial risk manager will also be examined. Prerequisite: graduate standing.

5335. Industrial Safety and Risk Management. 3(3-0)

An examination of risk assessment and risk management principles, strategies and concepts as they relate to industrial settings. Also includes an exploration of the tools and techniques that can be used to: (a) assess levels of risk, (b) communicate risk in crisis and noncrisis situations and (c) integrate risk management into business planning and decision making. Industrial safety and health issues will also be addressed. Prerequisite: ITEN 2330 or ITEN 3300 or consent of instructor.

5340. Manufacturing System Management. 3(3-0)

Survey of current trends and approaches to production systems in manufacturing facility. Emphasis will be both on managerial issues and integration of automated cells. Topics include automation, cellular manufacturing, group technology and just-in-time philosophies. Case studies and supplemental articles are used to demonstrate real world issues and applications.

5344. Lean Production. 3(3-0)

A study of the philosophy of lean production. Emphasis will be on designing strategies for implementation.

5350. Supply Chain Management. 3(3-0)

Supply Chain Management (SCM) focuses on managing the complexity of synchronizing an entire chain of activities performed by different organizations in order to deliver a product to the final customer. SCM involves the areas of marketing, operations management, logistics, procurement and distribution. Diverse simulation software are used for critical analysis of the business at hand and for managerial and decision making purposes. Prerequisite: graduate standing.

5355. Project Management. 3(3-0)

Fundamental of project management with a wide assortment of business applications. Takes a decision-making, business- oriented approach and explores both technical and managerial challenges in the management of projects. Provides a strategic perspective, demonstrating means to manage projects at the program and portfolio levels. Prerequisite: graduate standing.

DEPARTMENT OF MECHANICAL ENGINEERING AND INDUSTRIAL ENGINEERING

Larry Peel, *Department Chair*

Engineering Complex 303. MSC 191. Extension 2003.

The graduate programs in Mechanical Engineering and Industrial Engineering are designed to instill fundamental concepts as well as practical knowledge of modern engineering and to prepare students for immediate engineering challenges as well as a lifetime of professional advancement. Research laboratories are available for work in robotics and automation, intelligent systems and controls, dextrous robotic hands, computer integrated engineering design and radiation effects on materials. Excellent computer facilities are available.

Degrees Offered

The Ph.D. degree is available in Sustainable Energy Systems Engineering.

The Master of Science degree is available in both Mechanical Engineering and Industrial Engineering.

The department offers a graduate level Engineering Project Management Professional Certificate. Upon completing this certificate, students and professionals are able to:

- Provide technical oversight and coordination of project engineering work
- Monitor progress against project schedules and budgets
- Recommend allocation of resources as required to accomplish goals

This certificate is open to all majors and professionals. Students will receive the certificate upon completing all courses (*B* or better) stated on course requirements.

Engineering Management Certificate

The graduate Engineering Management Certificate is a 9-hour program open to all majors and professionals. This certificate will give graduate students the opportunity to learn both engineering technical knowledge and project management skills. Students who earn this certificate will be able to provide technical oversight and coordination of project engineering work; monitor progress against project schedules and budgets; recommend allocation of resources as required to accomplish goals. Contact the department for information and advising.

Admission Requirements:

- A four-year degree in Engineering or closely related field, or
- Students satisfying concurrent enrollment criteria of Texas A&M University-Kingsville graduate classes.

Course Requirements:

In order to get the certificate, students need to complete three courses (9 credit hours) with a *B* or above grade including IEEN 5327, IEEN 5329 and one of IEEN 5303 and IMEN 5315. The courses may be counted to students' major degree plan **only** with the approval from their major graduate coordinator.

INDUSTRIAL ENGINEERING (IEEN)

5301. Advanced Problems in Industrial Engineering.

V:1-3

Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit 6 semester hours.

5303. Advanced Topics in Industrial Engineering.

V:1-3

One or more advanced topics. May be repeated when topic changes.

5305. Graduate Research Project.

3

Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5312. Supply Chain Management.** 3(3-0)
The management of material and information flows in multi-stage production-distribution networks. Provide students with the knowledge and the tools necessary to develop, implement and sustain strategies for managing supply chain issues, especially the material and inventory management in supply chain.
- 5313. Inventory Systems.** 3(3-0)
Deterministic/stochastic systems with static/dynamic models. Use of forecasting techniques. Practice of inventory management, manual and computerized procedures and MRP. Case studies in inventory systems management. Prerequisite: 3 hours undergraduate Production and Inventory Control or equivalent.
- 5314. Activity Scheduling.** 3(3-0)
Deterministic/stochastic sequencing problems with static/dynamic models. Problems involving single and multiple facilities (flow shop, job shop). Problems involving different measure of effectiveness, solution techniques (optimizing, heuristic). Industrial scheduling problems. Prerequisite: IEEN 5313.
- 5315. Nonlinear Programming.** 3(3-0)
Quantitative procedures for optimization techniques; steepest ascent/descent; gradient methods. Nonlinear problems such as quadratic programming, geometric programming, convex programming, separable programming, etc. Prerequisite: 6 hours of undergraduate operations research or equivalent and graduate standing.
- 5321. Computer Application of Statistical Methods in Engineering.** 3(3-0)
Extreme value distributions, multivariate normal distribution, simple and multiple regression analyses, analysis of variance, time series analysis, a survey of nonparametric statistics, chi square, t and F distributions. Prerequisite: undergraduate course in Applied Methods in Engineering Statistics or the equivalent.
- 5322. Computer Simulation of Industrial Systems.** 3(3-0)
Introduction to simulation, a survey and application of computer languages suitable for Monte Carlo simulation of random processes, model construction, advantages and shortcomings of simulation techniques, programming with simulation languages.
- 5323. Occupational Biomechanics.** 3(3-0)
Study of the structure and function of musculo-skeletal system of the human body, kinetic and kinematic models, link segment diagrams and 3-D static modeling. Applying bio-instrumentation to determine the human performance, work capacity and muscle strength evaluation. Biomechanical considerations in machine control and work place design.
- 5324. Ergonomics.** 3(3-0)
Application of ergonomic principles to the work environment. Design of the system to fit and interact with the human operator. Collection and utilization of anthropometric data in the design of workstations, tools, safety equipment and VDT workstations. Study of the interaction between human operator and the environment including the effect of noise, improper lighting, vibration, heat and cold on physical and mental performance.
- 5325. System Safety.** 3(3-0)
Application of engineering design and management of industrial prevention models along with ethical responsibilities to eliminate, prevent or control hazards throughout the life cycle of a project, program, procedure or activity.
- 5326. Economic Decision Theory.** 3(3-0)
Sources of information, prediction and judgment, subjective probability bidding policy. Statistical decision theory including utility functions, risk and uncertainty, min-max and Bayes strategy. Prerequisite: IEEN 5329 or equivalent.

5327. Advanced Engineering Project Management. 3(3-0)
Advanced concepts and theories of project modeling and optimization, project scheduling, resource allocation, economic analyses and project decision analysis. Prerequisite: permission of the instructor.

5328. Reliability Theory. 3(3-0)
Reliability analysis with emphasis on the exponential, Weibull, gamma, log normal and extreme value distributions; reliability of systems, redundancy; maintainability and availability. Prerequisite: IEEN 5313.

5329. Advanced Engineering Economic Analysis. 3(3-0)
Continuation of Engineering Economic Analysis including funds flow, utility, price changes, investment, growth, replacement, taxes, capital budgeting and managerial economics. Prerequisite: 3 hours undergraduate course in Engineering Economic Analysis or equivalent.

5330. Computer Integrated Engineering Design. 3(3-0)
Overview to the fundamental principles and concepts underlying CAD/CAD/CAE systems. Emphasis on three dimensional parametric and feature-based CAD/CAM systems. Introduction to the concurrent design approach - design for manufacturing, design for assembly, design for reliability, design for maintainability are introduced. Applications of artificial intelligence in CAD/CAM system. Enhancement of student's application and development skills of CAD/CAM software.

5331. Computer Integrated Manufacturing Systems. 3(3-0)
Advanced systems concept of Computer Integrated Manufacturing Advanced system, definition of manufacturing and its various levels, planning and control of product movement through the production systems, successful use of Automation, Robotics, Just-In-Time Manufacturing and Knowledge Based Systems. Prerequisite: MEEN 5303.

5332. Manufacturing System Design. 3(3-0)
Systematic description of the underlying behavior of manufacturing systems. Topics include basic factory dynamics, corrupting influence of variability, push and pull production systems, human element in manufacturing systems design and supply chain management.

5333. Six Sigma and ISO Standards. 3(3-0)
Introduction to six sigma approach, DMAIC model, ISO standards and continual improvement philosophy. Study and research on using six sigma to meet ISO 9000, and use the ISO 9000 Framework to Assess a Six Sigma System. Practical case studies and projects will be pursued.

5334. Lean Manufacturing. 3(3-0)
Identifying key Lean concepts for manufacturing and defining these concepts for products/process design. Understanding Lean terminology, value stream mapping for manufacturing systems, design of Lean equipment, product cell design, operator job design and five steps to kaizen. Lean manufacturing approach to help reduce manufacturing costs, reduce or eliminate waste and increase profit margins.

5335. Principles of Optimization. 3(3-0)
Nonlinear Optimization: convexity, Kuhn-Tucker conditions, theory of duality. Linear and combinatorial optimization. Dynamic optimization. Prerequisite: 6 hours of undergraduate operations research or equivalent.

5336. Linear Programming and Extensions. 3(3-0)
Theory of linear programming including the simplex method, duality, sensitivity analysis, decomposition principles, the transportation problem and integer programming. Prerequisite: IEEN 5335 or equivalent.

MECHANICAL ENGINEERING (MEEN)

5301. Advanced Problems in Mechanical Engineering. V:1-4
Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit 8 semester hours.

- 5303. Advanced Topics in Mechanical Engineering.** V:1-3
One or more advanced topics. May be repeated when topic changes.
- 5305. Graduate Research Project.** 3
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5306. Thesis.** 3
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
- 5313. Numerical Methods in Mechanical Engineering.** 3(3-0)
Numerical methods for advanced analysis and design applications in Mechanical Engineering. Prerequisite: MATH 5372. (Credit may not be obtained in both MEEN 5313 and CEEN 5313.)
- 5314. Finite Element Methods in Engineering.** 3(3-0)
Principles and applications of the Finite Element Method: energy based variational principle methods, the principles of virtual work, weighted residual methods. Emphasis on structural and nonstructural elements and applications. Prerequisite: CSEN 2304 or equivalent.
- 5318. Advanced Dynamics.** 3(3-0)
Equations of motion in three dimensions. Derivation and application of Lagrange's equations. Vibrations of mechanical systems. Orbital mechanics. Prerequisite: MEEN 3355.
- 5320. Theory of Elasticity.** 3(3-0)
Discussion of the concept of stress, strain, deformations, strain compatibility and constitutive relations; formulation and solution of extension, bending, torsion and two-dimensional elasticity problems. (Credit may not be obtained in both MEEN 5320 and CEEN 5310.)
- 5321. Advanced Fluid Mechanics.** 3(3-0)
Equations of fluid mechanics: equations of continuity, motion, Navier-Stokes, energy and Bernoulli. Incompressible, laminar, turbulent and compressible flows.
- 5322. Turbulent Flow.** 3(3-0)
Stationary random functions. Correlation tensors. Wave number Space. Mechanics of turbulence. Energy spectrum. Dissipation and energy cascade. Turbulence measurements. Isotropic turbulence. Turbulent transport processes. Mixing and free turbulence. Wall-constrained turbulence.
- 5325. Computer Integrated Manufacturing Systems.** 3(3-0)
Advanced systems concept of Computer Integrated Manufacturing System, definition of manufacturing and its various levels, planning and control of product movement through the production system, successful use of Automation, Robotics, Just-In- Time Manufacturing and Knowledge Based Systems. Prerequisite: MEEN 5303.
- 5326. Control Systems Engineering.** 3(3-0)
Analysis and design of controlled, dynamic, linear mechanical, electric, fluid and/or thermal systems; introduction to concepts of stability, controllability, observability and to discrete time, sampled data control systems, optimal control systems and nonlinear control theory. Prerequisite: MEEN 5328.
- 5328. Dynamic Systems Engineering.** 3(3-0)
Analysis of dynamic-mechanical, electric, fluid and thermal system elements; modeling, analysis and design of physical, dynamic systems composed of these elements.
- 5330. Continuum Mechanics.** 3(3-0)
Presentation of the fundamental laws of physics as applicable to a continuous medium in a unified viewpoint. Material is discussed in terms of Cartesian tensors. Topics covered include: vectors and indicial notation of tensors, tensor operations, stress, strain and deformation of continuous media in Eulerian and Lagrangian descriptions.

Applications to solid mechanics, fluid mechanics and thermodynamics are explored.

5331. Advanced Materials Science. 3(3-0)
Formation of metallic materials, polymers and composite materials, both applications and properties including chemical resistance and mechanical properties such as elasticity, creep and fracture. Prerequisite: MEEN 3344.

5335. Advanced Robotics and Automation. 3(3-0)
Analysis of methods of design and operation of robots and robotic systems. Kinematics and dynamics of manipulators, trajectory planning and motion control, sensing and vision, discussion of command languages and planning of job assignments.

5337. Engineering Analysis in Applied Mechanics. 3(3-0)
Simultaneous Equations - Equilibrium, Eigenvalues and Eigenvectors; Extreme Values of Functions; Calculus of Variations; Extremum Principles of Thermodynamics; Stationarity and Extremum Principles of Solid Mechanics; Equations of Motion and the Stationarity Principles of Lagrange and Hamilton. Prerequisite: graduate standing and permission of instructor.

5339. Computer Aided Geometric Design. 3(3-0)
Introduction of affine maps, barycentric coordinates, piecewise linear interpolation, tessellation and triangulation. Bezier and B-Spline curves and surfaces. Techniques for constructing curves, surfaces and solids.

5345. Conduction and Convection Heat Transfer. 3(3-0)
Theory of steady-state and transient heat conduction and theory of convective transport combined with boundary layer theory. Prerequisite: MEEN 3348.

5347. Advanced Thermodynamics. 3(3-0)
The equations of state for various systems are given extensive treatment. Prerequisite: MEEN 3347.

DOCTORAL PROGRAMS

Admittance to a Specific Doctoral Program

Admittance to the College of Graduate Studies does not guarantee acceptance into a specific doctoral program. Standards for admittance to a specific doctoral program are set by the doctoral program faculty. Students must therefore check the admission requirements to the doctoral program of interest before they seek admission to the College of Graduate Studies. The admission requirements to a specific doctoral program may exceed the minimum requirements noted below. The graduate coordinator or program director must accept the student before the student is admitted to the program.

Minimum Requirements for Admission to Doctoral Degree Programs

1. Students desiring acceptance into a doctoral program must meet the following minimum admission requirements.
 - a. Have an acceptable undergraduate and graduate GPA.
 - b. Have an official Graduate Record Examination score or other program specific entrance exam taken within the last five years. Specific programs may have defined minimum score requirements.
2. An application for admission must be submitted to the College of Graduate Studies via <http://www.applytexas.org>.
3. Official transcripts must be submitted for all undergraduate and graduate work.
4. An official copy of the Graduate Record Examination or other program specific entrance exam must be submitted to the College of Graduate Studies directly from the testing service.
5. Individual departments may establish additional requirements for admission to a specific degree program. Applicants will be required to fulfill any additional requirements established by the major department.
6. Each department will review each application and make a recommendation regarding admission status to a degree program.
7. A student is granted either full admission or full admission with stipulations.
8. A doctoral student who has not enrolled for two long semesters must reapply for admission under current admission standards.
9. A doctoral student who drops or withdraws from a program must reapply and meet the current standards for program application and admission.

Minimum Requirements for the Doctoral Degree

1. *Degree Plan.* Upon acceptance into a doctoral program, a student will meet with an adviser to develop a degree plan form and file it with the department during the initial semester of attendance. The student should contact the major department for adviser assignment. An official copy of the degree plan will be maintained by the program coordinator/director.
2. *Course Requirements.* All courses applied toward a doctoral degree must be approved by the appropriate program administrator and Dean of the College of Graduate Studies. No more than fifteen graduate credit hours beyond the master's degree taken prior to admission to a doctoral program can be applied toward a doctoral degree.

Other Minimal Requirements

- I.
 1. **Electives** and other course requirements are determined by each program.
 2. **Transfer of Credit.** Credit for work taken from other accredited graduate schools in the United States and abroad is granted in accordance with an evaluation by the specific program director/coordinator and College of Graduate Studies. Time limitations on transfer courses are the same as for Texas A&M University-Kingsville. Transfer credit will be granted for only those courses in which the student received a grade of “B” or better (3.0 minimum GPA per course). Only grades earned at Texas A&M University-Kingsville will be utilized in calculating a student’s grade point average.
 3. **Independent Studies.** Registration in an independent studies, research or similar courses shall imply an expected level of effort on the part of the student comparable to that associated with an organized class with the same credit value. No more than twelve graduate semester hours of independent studies courses may be applied to a doctoral degree. Independent studies course credit cannot be used toward fulfilling the residency requirement.
 4. **Grades.** A grade point average of 3.00 or better on all graduate work on the approved degree plan, is required for graduation. If a course is retaken, the last grade will be counted toward graduation and computation of the overall grade point average. A course in which an “F” is received is considered a course completed and the course must be retaken at the same institution.
 5. **Academic Probation and Suspension from Degree Programs.** A student who fails to achieve and maintain an overall 3.00 grade point average during any semester of enrollment will be placed on academic probation. A student who fails to achieve a 3.00 overall grade point average by the end of the next semester of enrollment will be placed on academic suspension for a minimum of two semesters (two summer terms count as one semester). After the academic suspension is served, the student may be allowed to re-enroll only upon the recommendation of the major department and with the approval of the Dean of the College of Graduate Studies. Failure to achieve an overall 3.00 grade point average during any subsequent semester of enrollment will result in dismissal, and the student will not be allowed to pursue further study toward the doctoral degree at this institution. Courses taken from other institutions will not be transferable if taken during a period of suspension from Texas A&M University-Kingsville. Students on academic suspension from another institution will not be admitted to Texas A&M University-Kingsville until their specific period of suspension expires. Students who fail to meet the professional expectations of the field for which they are preparing may be suspended from further study in that program by the department administering that program.
 6. **Residency.** After admission to a doctoral degree program, each student is required to engage in activities that fulfill departmental residency requirements. The departmental residency plan specifies requirements in the following areas:
 - a. involvement in events that broaden intellectual growth,
 - b. use of academic support resources,
 - c. faculty-student interactions that promote scholarship, mentoring and opportunities for evaluation,
 - d. involvement with cognate disciplines and research scholars in those disciplines and
 - e. engagement in meaningful peer interactions.

Please check with the major department for specific requirements. Successful completion of residency is determined by approval of the department.
 7. **Doctoral Tuition and Fees.** All post-master’s, doctoral course work (including the dissertation), must be satisfactorily completed by the doctoral student in a maximum of 99 semester credit hours. If the Graduate Dean approves in writing that a student may proceed beyond the 99 credit hour limit, the student will be assessed out- of-state tuition.
 8. **Research Tools.** Candidates for the doctoral degree must possess proficiency in the use of the research skills necessary to successfully complete the doctoral dissertation. Students should demonstrate these proficiencies early in their program; however, students must demonstrate such proficiency prior to

taking the qualifying examinations.

II. **Comprehensive Examinations.** Doctoral students take written and oral comprehensive examinations upon the completion of approximately two full years of study. The examinations must be taken and passed before the degree is conferred. The comprehensive examinations are designed to test the student's knowledge in the major and supporting fields or cognate area and are administered under the direction of an advisory committee.

1. **Admission to Candidacy for Doctoral Degree.** After the qualifying examinations have been satisfactorily completed and all requirements have been verified by the College of Graduate Studies, the student will be admitted to candidacy.
2. **Time Limitation for Degree.** All degree requirements beyond the master's must be completed within ten calendar years from the date of admission to the doctoral program. Also, no course work beyond the master's degree which is over ten years at the time the doctoral degree is to be conferred can be used toward the doctoral degree. Graduate credits older than ten years are not applicable toward a doctoral degree without written approval from the Graduate Dean.
3. **Advisory Committee.** The student should check with the Graduate Coordinator/Director concerning the membership of the dissertation committee. The committee will consist of a minimum of three faculty members from the student's major area of study and a Graduate Council Representative appointed by the Dean of the College of Graduate Studies.
4. **Approval Forms and Documents Prior to Proposal.** The student should secure from the College of Graduate Studies, the program director or the Texas A&M University-Kingsville web site the following forms:
 - a. Institutional Review Board Application or other program specific research approval document
 - b. Request for Graduate Council Representative (submitted to the Dean of the College of Graduate Studies by the Chair of the Dissertation Committee).
 - c. Thesis and Dissertation Manual
5. **Proposal.** The abstract and signature page of the proposal should be filed with the Office of Graduate Studies upon successful defense by the student and approval of the document by the dissertation committee.
6. **Dissertation Defense.** Student must successfully defend a dissertation. A quorum of the members of the dissertation committee is required for the defense. The Graduate Council Representative must be in attendance for the defense.
7. **Dissertation.** A candidate must complete a dissertation which is acceptable to the student's advisory committee and the Dean of the College of Graduate Studies. To be acceptable, the dissertation must give evidence that the candidate has pursued a program of research, the result of which reveals superior academic competence and a significant contribution to knowledge.

III. **Submission of Dissertation.** Registration in the dissertation course is required the semester that the dissertation is submitted.

1. An approved draft copy must be submitted to the College of Graduate Studies for layout review (at least three weeks prior to the final defense). This draft copy should be acceptable to the chair to be presented to the committee members for review. The draft copy must be approved/signed by the committee chair.
 - a. After the defense, the student will submit:
 - the final document on regular paper with all required signature for final approval and signature by the Graduate Dean,
 - a signed hard copy of the first page of the Turnitin report and

- a soft copy of the final document along with the complete copy of the Turnitin report on a USB flash drive or CD (pdf version preferred).
 - b. After the Graduate Dean's approval, the staff in the graduate office will scan the signature page.
 - c. The completed signature page will be emailed to the student to be inserted into the final document.
 - d. The student will go to the following URL [ProQuest webpage](#) to register and create a personal ProQuest account and follow the instructions to submit the full document. The student can upload from any computer with internet access or they can come to the College of Graduate Studies for guidance.
2. Filing for Graduation. The candidate must file for graduation in the Office of the College of Graduate Studies. Application and all required forms are posted on the College of Graduate Studies website <http://www.tamuk.edu/grad>. A student must be in good standing with the College of Graduate Studies in order to complete graduation requirements.
 - a. Students applying for graduation must have prior approval of the doctoral adviser and properly signed final degree plan for submission to College of Graduate Studies.
 - b. Students who do not meet their final requirements by the deadline must re-submit the application for candidacy for the next semester.
 3. Commencement. The degree is conferred at the commencement following the fulfillment of all requirements. The candidate is expected to be present.

General Requirements for Graduation with a Doctoral Degree

The Graduate Council Representative (GCR) is a nonvoting member of the doctoral student's Advisory Committee who is appointed by the Graduate Dean. The GCR has the same responsibilities as other members of the committee except for voting on the technical merits of the graduate work. The GCR is charged with (a) assuring that the doctoral student is treated fairly and impartially by his advisory committee; and (b) assuring that the quality of the dissertation is reasonable and consistent with the status of Texas A&M University-Kingsville as an internationally recognized research institution.

In order to satisfy these charges, the student is to provide the GCR with a copy of the degree plan, the dissertation proposal and the dissertation in a timely manner. The dissertation proposal and final dissertation must be presented to all committee members at least ten working days before the scheduled presentation. This ten day policy can be waived if all committee members agree. The following is a brief summary of functions and responsibilities of the GCR:

General Functions

The Graduate Council is represented on a student's dissertation committee by a graduate faculty member. This faculty member may be outside the student's major and minor areas. The Graduate Council recognizes that a GCR will not possess technical expertise in all elements considered in research outside his or her field or specialization. Therefore, an individual serving as a GCR must exercise careful judgment in fulfilling the following general functions:

- * Reviewing the student's approved degree plan in order to gain familiarity with the nature of the student's program.
- * Reviewing the student's proposal for the dissertation.
- * Ensuring that the oral portion of the preliminary exam and the final defense are conducted in a fair and unbiased but also a thoroughgoing manner.
- * Reviewing the student's dissertation in order to attest that it meets generally accepted standards of scholarship.
- * Coordinating with the student and other committee members on dates/times for the proposal presentation and the final defense.
- * Participating in additional Advisory Committee meetings which may be scheduled by the Chair of the Advisory Committee.
- * Notifying the Office of Graduate Studies in writing of any irregularity in procedure at the time of the scheduled examination (e.g. the absence of a committee member) in order to obtain instructions.

Responsibilities of the GCR to the Doctoral Student

- * To participate in the student's preliminary and final oral examination.
- * To review documents such as the proposal and the dissertation in a timely manner. The student must provide the paper ten working days before the presentation. This ten day policy can be waived if all committee members agree.
- * If unable to be present at the examinations and called meetings of the Advisory Committee, the GCR shall notify the Graduate Dean. The Dean shall appoint a substitute.

Responsibilities of the Doctoral Student to the GCR

- * To keep the GCR informed of progress toward the degree, the student will provide the GCR with copies of the proposal and the dissertation ten working days before the presentation.
- * To coordinate with the GCR with possible dates and times for preliminary and final oral examinations.
- * To provide a copy of the dissertation to the GCR before the final oral examination (at least ten working days before the presentation).

Pathways to the Doctorate Program

The goal of the Pathways to the Doctorate is to attract high achieving students within The Texas A&M University System to pursue careers in higher education. Additional information can be found at www.tamus.edu/pathways.

The Texas A&M University System Graduate Faculty

The Texas A&M University System has established a System Graduate Faculty that enables and facilitates collaborative research and teaching among faculty members of the nine universities and the Health Science center within the System. By acquiring status through the System Graduate Faculty, faculty members are able to co-chair and serve on graduate student committees within The Texas A&M University System. Additional information can be found at www.tamus.edu/pathways.

DOCTORAL PROGRAMS IN AGRICULTURE AND NATURAL RESOURCES

COOPERATIVE DOCTOR OF PHILOSOPHY IN HORTICULTURE

Greta Schuster, *Graduate Coordinator*

Anna Salazar, *Administrative Assistant*

Kleberg Building for Agriculture 116. MSC 228. Extension 3719

greta.schuster@tamuk.edu

Doctoral Faculty: Ambrose Anoruo (*Agriculture, Agribusiness and Environmental Sciences*), Veronica Ancona-Contreras (*Citrus Center*), John V. da Graca (*Citrus Center*), Eliezer S. Louzada (*Citrus Center*), Shad D. Nelson (*Agriculture, Agribusiness and Environmental Sciences*), Greta Schuster (*Agriculture, Agribusiness and Environmental Sciences*), Mamoudou Setamou (*Citrus Center*), Catherine R. Simpson (*Citrus Center*).

The Department of Agriculture, Agribusiness and Environmental Sciences offers a cooperative Ph.D. program in Horticulture, through partnership with the Department of Horticultural Sciences at Texas A&M University in College Station. The degree is awarded by Texas A&M University; however, much of the course work, research and graduate advising can be completed at Texas A&M University-Kingsville and/or the Texas A&M University-Kingsville Citrus Center. Graduate studies leading to this degree can include any aspect of horticulture. Students in the program are highly encouraged to spend at least two semesters in residence at Texas A&M University in College Station, and to work under the direction of an advisory committee comprised of members of both university faculties with one committee co-chair from each of the two universities. The committee chairperson must be a faculty member with a faculty appointment from Texas A&M University.

Entrance Requirements

Students seeking admission to the cooperative doctoral program should apply through Texas A&M University and specify that they wish to participate in the cooperative program. A committee of five faculty members representing both universities will evaluate each application. Admission requirements are set by Texas A&M University. Current requirements can be found in the Texas A&M University Graduate Catalog, or obtained from the Texas A&M University Department of Horticultural Sciences.

Degree Plan and Course Requirements

Students develop a degree plan in consultation with their advisers. The plan must be filed before registering for the fifth semester. Students must complete at least 64 credit hours of course work beyond the master's degree (or, in rare cases, 96 credit hours beyond the bachelor's degree). Of the 64 credit hours, approximately half should come from organized courses and half from dissertation research and advanced problems. Students must complete courses at both universities. Courses at Texas A&M University-Kingsville can be chosen from the Plant and Soil Science courses listed below or from selected other courses. All courses used towards the degree must be approved by the students' advisers.

Other Policies

All current rules and policies at Texas A&M University, including those regarding residency, course load, course longevity, admission to candidacy and grade point requirements, govern the administration of this degree. Students should consult the Texas A&M University Graduate Catalog and Handbook (<http://vpr.tamu.edu/gradh.html>).

PLANT AND SOIL SCIENCE (PLSS)

6185. Seminar. 1(1-0)
Student reports and discussion of recent literature and current investigations. May be repeated up to three times.

6306. Proposal and Dissertation Research. 3
Students are allowed no more than 6 hours of registrations to complete a dissertation proposal.

- 6326. Soil Chemistry.** 3(3-0)
Advanced study of the chemistry of soils, including properties, processes and applications.
- 6328. Soil Physics.** 3(3-0)
Advanced study of the physical properties of soils with environmental and agricultural applications.
- 6344. Crop Protection.** 3(3-0)
Advanced study of principles and practical aspects of control in the field vertebrate and insect pests, weeds and diseases caused by pathogens such as viruses, bacteria, fungi and nematodes of all major cultivated crops. Economic and environmental considerations of crop protection including developments in biotechnological and integrated pest managements will be covered.
- 6345. Phytochemicals in Fruits and Vegetables to Improve Human Health.** 3(3-0)
Update the research information on the phytochemicals and describe their role in human diet. Understand the toxic effects and sources of phytochemicals. Prerequisite: approval of instructor.
- 6346. Citrus and Subtropical Fruit Crops.** 3(3-0)
Encompasses various types of citrus, including oranges, lemons, limes, grapefruit and mandarins as well as avocados and olives. Covers identification, culture, processing, marketing, post-harvest aspects, phytochemicals and economic future. Other crops will be covered in brief. Prerequisite: approval of instructor.
- 6377. Genetics of Crop Improvement.** 3(3-0)
Critical study of scientific literature and current research concerning principles of plant genetics and their applications to conventional breeding and genetic engineering methods for the improvement of cultivated crops.
- 6379. Postharvest Physiology of Horticultural Crops.** 3(3-0)
Study of biochemical and physiological processes affecting maturity, quality and conditions of horticultural crops (fruits, vegetables and flowers). Selection and use of handling, storage and transportation facilities will be discussed.
- 6390. Advanced Studies in Horticulture.** V:1-3
Material offered will be determined by the needs of the students. Laboratory and lecture will vary according to the subject. May be repeated under a different topic.
- 6395. Advanced Problems in Horticulture.** V:1-3
Independent work. Variable credit depending upon the problem. Requires approval of faculty to supervise the problem.

DOCTOR OF PHILOSOPHY IN WILDLIFE SCIENCE

Scott E. Henke, *Graduate Coordinator*

Rachel Perez, *Administrative Assistant*

Kleberg Building for Agriculture 133. MSC 228. Extension 3689 scott.henke@tamuk.edu

Graduate Faculty: Bart M. Ballard, Leonard A. Brennan, Frederick C. Bryant, April Conkey, Charles A. DeYoung, Randall W. DeYoung, Alan M. Fedynich, Timothy E. Fulbright, Scott E. Henke, Fidel Hernandez, David G. Hewitt, Clayton Hilton, William P. Kuvlesky, Jr., J. Alfonso Ortega-Santos, G. Allen Rasmussen, Sandra Rideout-Hanzak, Michael E. Tewes, David B. Wester

Note: For external members on the doctoral faculty, please check with the Office of Graduate Studies.

The Department of Animal, Rangeland and Wildlife Sciences offers the Doctor of Philosophy in Wildlife Science. Ph.D. students will prepare for research, teaching and administrative careers in natural resources. As humans increasingly impact the environment, scientists educated in natural resource areas like wildlife science will become increasingly important. Ph.D. students educated under this program will be amply prepared to confront these challenges. Detailed guidelines for the program are available from the administrative assistant or chair of the Department of Animal, Rangeland and Wildlife Sciences.

Entrance Requirements

Students must hold the Master of Science degree and an acceptable combination of GRE scores, TOEFL score or intensive English language training course (international students) and grade point average. Contact the Chair, Department of Animal, Rangeland and Wildlife Sciences, for details. Students must also have the agreement of a faculty member at Texas A&M University-Kingsville to direct the dissertation research.

Graduate Committee

Students develop a committee of at least four members in consultation with their major adviser. Make-up of the committee generally is based on faculty expertise in subjects relevant to the dissertation research. In addition, a Graduate Council representative to serve on the doctoral committee will be appointed.

Degree Plan and Course Requirements

Students develop a degree plan in consultation with their adviser. The program requires a minimum of 64 hours past the master's degree. Students should expect to take a minimum of 24 hours of formal course work. Total number of formal course work will depend on student's past experiences and current research needs.

Admission to Candidacy

Ph.D. students may be admitted to candidacy upon successful completion of preliminary examinations. Preliminary examinations typically are administered when the student has completed all but six hours of formal course work on the degree plan. Candidates for the Ph.D. degree must obtain clearance and complete a Degree Candidacy form at the Graduate Office. Clearance to graduate follows recommendation by the official graduate adviser to the Graduate Dean.

Course Longevity

A student must complete all requirements for the doctoral degree within four years of completion of the preliminary examinations, and the dissertation must be completed within ten consecutive years of initial registration. Graduate credits older than ten years are not applicable toward a doctoral degree without written approval of the Graduate Dean.

All post-master, doctoral course work (including the dissertation), must be satisfactorily completed by the doctoral student in a maximum of 99 semester credit hours. If the Graduate Dean approves in writing that a student may proceed beyond the 99 credit hour limit, the student will be assessed out-of-state tuition.

Dissertation

A dissertation must be written and defended before the graduate committee.

Normal Course Load

A normal course load at Texas A&M University-Kingsville is nine hours during long semesters and three hours during summer sessions. The latter also constitutes a full-time status course load. Ph.D. students must register for a normal course load when they are in residence at Texas A&M University-Kingsville.

Registration

Students are required to be continuously registered at Texas A&M University-Kingsville.

ANIMAL SCIENCE (ANSC)

6335. Quantitative Genetics.

3(3-0)

Quantitative methodologies for altering the genetic properties and/or achieving genetic progress in domesticated and natural animal and plant populations. Application of genetic software packages.

WILDLIFE SCIENCE (WSCI)

6199. Seminar.

1(1-0)

Student reports and discussions of recent literature and current investigations. The nature of the subject matter covered will be dependent upon the student's area of specialization and how advanced he/she is in his/her graduate studies. Accepted aids for presenting such group reports will be noted and used by students in their presentations. May be repeated for a maximum of three credit hours toward minimum hours for an advanced degree. Prerequisite:

approval of the student's major instructor or graduate committee.

6302. Biopolitics and Public Relations. 3(3-0)
Legislation, administration, public relations and biopolitics as they relate to range and wildlife management.

6306. Proposal and Dissertation Research. 3
Students are allowed no more than 6 hours of registrations to complete a dissertation proposal.

6371. Wildlife Nutrition. 3(3-0)
Role of nutrition in wildlife management, wildlife nutrient requirements, digestion and nutrient metabolism, evaluation of nutritional status and nutrient regulation of wildlife populations.

6372. Wildlife Conservation Biology. 3(3-0)
A multidisciplinary science that deals with the crisis confronting biological diversity and species extinction. Topics include biology and management of small populations, landscape ecology and fragmentation theory, theory of species diversity and the application of wildlife management techniques/strategies for species conservation.

6374. Wildlife Research Methods. 3(3-0)
Research methods for analyzing the response of wildlife populations to environmental factors and management treatments. Content includes research philosophy and creativity; experimental design in field-scale projects; advanced methods of population analysis (density, survival, mortality); inferences from radiotelemetry data; and technical article preparation.

6381. Wildlife Population Ecology. 3(3-0)
Study of factors affecting wildlife population dynamics, quantitative examinations of population properties, controls and census methods.

6382. Waterfowl. 3(2-2)
Studies of theoretical ecology and applied management of waterfowl with emphasis on North America. Contents include ecogeography, migration, wetland habitats, reproduction, feeding ecology and energetics and population and harvest management.

6386. Rangeland Synecology. 3(3-0)
Study of range ecosystems; causes and patterns of community development, interaction of plants and animals, succession and other community changes. Field activity may be required.

6387. Wildlife Habitat Management. 3(3-0)
Presentation of habitat requirements and management of wildlife species. Discussion of habitat analysis and evaluation techniques.

6390. Advanced Studies in Range and Natural Resources. V:1-3
Material offered will be determined by the needs of the students. Laboratory and lecture will vary according to the subject needs. May be repeated under a different topic.

6391. Ecosystem Function and Management. 3(3-0)
Discussion course focuses on foundational papers on aspects of ecosystem function, relationships between biodiversity and ecosystem services and philosophy and applications of ecosystem management.

6392. Models in Wildlife and Natural Resource Sciences. 3(3-0)
Discussion course focuses on a wide variety of mathematical models and their applications in wildlife science. Topics such as assumptions of frequentist and non-parametric statistics, information-theoretic models, occupancy modeling, distance sampling, population viability analyses, multivariate statistics are covered based on specific research needs of the graduate students enrolled.

- 6394. Grazing Management.** 3(3-0)
Physiological processes, morphological development, nutritional qualities and palatability of range plants as a basis for grazing management strategies for domestic and wild animals, and the impact of the grazing systems on vegetation, livestock, wildlife and watershed.
- 6395. Advanced Problems in Range and Wildlife Management.** V:1-3
Independent work which may include a laboratory or field problem. Variable credit dependent upon the problem; may be repeated for a total of 6 semester hours. Prerequisite: approval of a staff member who will supervise the problem.
- 6396. Avian Community Ecology.** 3(3-0)
Evolutionary concepts that shape avian communities, including mating systems, reproductive strategies, foraging adaptations, brood parasitism, responses to predation and competition.
- 6397. Wildlife Diseases.** 3(3-0)
Infectious and noninfectious diseases of wildlife, epizootiology and theoretical disease ecology as it relates to individuals and populations, wildlife management strategies and human-wildlife interactions.
- 6999. Dissertation Research.** V:1-9
To be taken by students who receive a stipend while working on their research. Designed to be student-specific to meet each student's individual needs and to enhance their graduate education.

DOCTORAL PROGRAM IN ARTS AND SCIENCES

COOPERATIVE DOCTOR OF PHILOSOPHY IN HISPANIC STUDIES

Roberto Vela Cordova, *Graduate Coordinator*

Connie Salgado, *Administrative Assistant*, Fore Hall 207B. MSC 162. Extension 4062

Graduate Faculty: Michelle Johnson Vela

The Department of Language and Literature offers a cooperative Ph.D. program in Hispanic Studies, through partnership with Texas A&M University, Texas A&M University-Corpus Christi and Texas A&M International University. Graduates of the Hispanic Studies Ph.D. will have the single discipline competence needed to qualify for an academic appointment in Spanish, Hispanic Studies, or a related discipline, as well as the broadly based expertise in Hispanic Studies essential to hold leadership positions in government agencies, public service, educational institutions and foundations. The degree is awarded by Texas A&M University; however, much of the course work, research and graduate advising can be completed at Texas A&M University-Kingsville. All off-campus courses will be delivered through distance learning. Residence requirements for the doctoral program can be satisfied by completing two consecutive semesters (at a minimum of nine resident credit hours each) either at the College Station campus or through distance education courses originating from the College Station campus and available at all System campuses. Students admitted into the program will work under the direction of a Ph.D. committee composed of a chair (from College Station), a dissertation adviser (who may be from Kingsville) and three other committee members.

Entrance Requirements

Admission to the doctoral program will be predicated on several factors: (1) a completed masters degree in Spanish or Hispanic Studies or in a related area, with a minimum grade point average of 3.2; (2) demonstrated oral and written proficiency in Spanish; (3) the Graduate Record Examination (GRE); (4) at least three letters of recommendation; (5) the student's goals and career interests as stated on the application form; and (6) the availability of faculty members who are qualified to direct the student's program of study. Admission will be consistent with House Bill 1641. Alternatively, students holding an appropriate baccalaureate degree (including a minimum of twelve hours in Spanish at the advanced undergraduate level) could be admitted to the program under the same criteria outlined above. These students will need to complete an additional 30 hours at the graduate level.

Students should apply directly to Texas A&M University. An admissions committee will consist of the Director of Hispanic Studies at College Station, three faculty from College Station and a faculty member from each of the other participating campuses.

Degree Plan and Course Requirements

The interdisciplinary Ph.D. cooperative program in Hispanic Studies is grounded in a solid knowledge of the language, culture and literature of Spanish-speaking peoples and is designed to meet the needs of selected students who enter the program with well-defined goals for their course of study. The program permits a student to integrate the subject matter of different disciplines into a course of study relevant to her or his specific interests in the national and international Hispanic world. The Ph.D. in Hispanic Studies consists of one curriculum and one set of overarching educational objectives. Within the general framework of the curriculum, however, there are four concentrations, each of which overlap. Every Ph.D. student must take a core of four courses that will introduce him or her to the various methods and resources for the study of Hispanic literature, language, culture and socio-economic issues; the research and methodological skills necessary to conduct and present research; the linguistic variations of the Southwest; and U.S. Latino/a literature(s). Once a student has chosen a particular concentration, he or she will be required to take 15 hours of courses in that concentration, and 18 hours of prescribed and free electives.

Additional Requirements

Each Ph.D. student will be required to write a doctoral dissertation. Nineteen (19) semester credit hours of dissertation credit (HISP 691: "Research") are required.

Each Ph.D. student will be required to demonstrate proficiency in a language other than English and Spanish by taking a translation exam (dictionary allowed) or by passing a 300-level class in that language with a grade of B or better. Students may satisfy this requirement at any point before completing their 45 semester credit hours of regular course work.

The following courses are offered by Texas A&M University-Kingsville.

SPANISH (SPAN)

6300. Topics in Spanish. 3(3-0)

Research methods and theory in the field of Spanish linguistics. Topics: Dialectology, phonetics, semantics, pragmatics, Spanish of the Southwest, methods of study in Spanish language. May be repeated when topic changes.

6301. Research Methods. 3(3-0)

Orientation to critical proficiency and tools in literary theory, cultural studies approaches and linguistic methods necessary for conducting research in the resolution of problems relevant to the study of the topic selected.

6306. Proposal and Dissertation Research. 3

Students are allowed no more than 6 hours of registrations to complete a dissertation proposal.

6310. Hispanic Feminist Theory and Writing. 3(3-0)

Analysis of Hispanic women's discourse as power struggle for the elaboration of feminist politics of reason, passion and action, and political feminist consciousness. Critical analysis of women's writings as production and reproduction of cultural formations of historically situated and gender-specific discursive subjects.

6311. Hispanic Film Studies. 3(3-0)

Study of Latin American, U.S. Latino and Spanish film and multimedia as historical and cultural active re-discoveries and re- constructions of the Hispanic peoples and their worlds. Readings and discussion on the articulation between history, film, multimedia and the production-consumption of image cultures in the Hispanic world.

6341. Topics in Translation Studies. 3(3-0)

Applied linguistics issues related to Spanish-English/English-Spanish translation. May be repeated when topic changes.

6350. Hispanic Cultural Studies. 3(3-0)

Study of cultural constructs and practices in the Hispanic World. Interpretation of Hispanic signifying practices, institutions, subjectivities, ideologies, gender roles and the Other. Critical analysis of the interactions among high culture, mass media and popular culture. May be repeated when topic changes.

6360. Studies in Spanish-American Literature 3(3-0)

Topics include studies in Spanish-American Literature. May be repeated when topic changes.

6361. Spanish-American Vanguardism. 3(3-0)

Study of center-periphery theoretical encounters of the creacionista, ultraista, constructivist and surrealist writing techniques used by Spanish-American writers from the 1920s to the 1940s. Assessment of the ambivalence between acceptance and rejection of the avant-garde by Latin American poets; and the singularity of the major works identified with the avant-garde.

6362. Spanish-American Postmodernism. 3(3-0)

A study of the intersections of high culture and popular culture, global designs and local histories, border thinking and globalization in the literary genres of the Spanish-American postmodernist period. Insight into various aspects of power- subordination relationship of Hispanic and world cultures. Critical analysis of their aesthetic, social and political functions and contexts.

DOCTORAL PROGRAMS IN EDUCATION

DOCTOR OF EDUCATION IN BILINGUAL EDUCATION

Roberto Torres, *Graduate Coordinator*
Rhode Hall 200. MSC 162. Extension 2797.

Graduate Faculty: Jaya Goswami, Norma Guzman, Arie Sherris, Roberto Torres

The Doctor of Education degree in Bilingual Education (Ed.D.) is an advanced degree designed for professionals interested in applying special knowledge and skills related to the education of language minorities, second language learners, and the bi/multilingual curriculum. The program consists of twenty-one doctoral courses (a minimum of 63 credit hours) and experiences in education and related areas: history, sociology, Spanish and as well as other languages. All instruction related to educational practices, methodologies, organization of instruction and curriculum development is offered in the Department of Teacher and Bilingual Education.

The focus of the program is mainly on the educational needs of school age Mexican American students; field experiences, research projects and required course work in related areas may reflect this focus. The student has the option, however, of concentrating on a different linguistic/cultural group as well as different age groups (e.g., adult learners) in individual research projects and in selecting a dissertation topic. In contemporary bi/multilingual education, the theoretical models are often applicable not only to Mexican Americans but to other linguistic groups (e.g., indigenous, tribal, minority and minoritized groups worldwide).

Entrance Requirements

Requirements are a master's degree, an appropriate level of proficiency in English and another language or evidence of potential to achieve the minimum level of proficiency required by the program, approval of the doctoral program coordinator in conjunction with the program faculty committee and three letters of recommendation by graduate instructors or others, including employers who know about the candidate's work ethic and potential. International students may be required to complete an intensive English program and/or academic writing program at the doctoral level.

Approval by the admissions committee will be based on the following factors: (a) GRE scores (verbal and quantitative sections) at least sufficiently high to merit admission to the College of Graduate Studies; (b) an acceptable undergraduate and graduate GPA (normally, a 3.0 + undergraduate total or upper division GPA and a 3.25 + graduate GPA are expected); (c) recommendations from references; and (d) successful personal interview with applicant when feasible. International students from non-English speaking countries are required to present the TOEFL or IELTS scores.

The admissions committee may require additional work by applicant prior to or concurrent with enrollment in the doctoral program if the committee establishes that a deficiency exists in the applicant's background and training. The program recommends pre-doctoral training in (a) linguistics, (b) statistics and (c) heritage language writing skills for those who plan to develop curriculum materials in heritage language.

Languages

Students may be asked to demonstrate appropriate levels of proficiency in understanding, speaking, reading and writing English and another language prior to either (a) admission to the doctoral program or (b) admission to candidacy. Students enrolling in courses taught in Spanish must be able to fulfill the language requirements of those courses prior to registration.

Degree Plan

After conferring with the student, the doctoral program coordinator will prepare a degree plan in the first semester or summer session of work. If approved by the graduate dean, such degree plan shall constitute the approved plan of studies for the student.

Admission to Candidacy

Admission to the doctoral program does not imply admission to candidacy. Students shall be admitted to candidacy prior to completion of their dissertation and once they have: (a) filed the required forms with the graduate dean, (b) successfully completed all course work, (c) passed their written and oral comprehensive examinations and (d) after the attainment of acceptable scores in an appropriate second language test.

Course Longevity

A student must complete all requirements for the doctoral degree, including the dissertation, within ten consecutive years of initial registration for that degree. Graduate credits older than ten years are not applicable toward a doctoral degree without written recommendation from the program coordinator and approval from the Graduate Dean.

All post-master, doctoral course work (including the dissertation), must be satisfactorily completed by the doctoral student in a maximum of 99 semester credit hours. If the Graduate Dean approves in writing that a student may proceed beyond the 99 – credit hour limit, the student will be assessed out-of-state tuition.

Residency Requirements

Residency may be established through 12 consecutive months of either part-time or full-time enrollment in the doctoral program.

Dissertation

A dissertation must be prepared under the direction of the major professor and must be approved by the student's graduate committee and the graduate dean. The major professor must be a member of the bilingual education faculty of the department.

Normal Course Load

Twelve semester hours constitute a maximum course load during the fall and spring semesters. Students working full-time may enroll for no more than 6 hours during any semester or summer term in which they work. A *full-time status* course load is 9 semester credit hours during the fall or spring semesters and 3 semester credit hours during each summer session.

Under no circumstances shall any student be allowed to defend their proposal and final defense of their dissertation in the same semester. Defending a proposal of a final defense in the summer is subject to the approval of the dissertation chair and of the availability of committee members.

BILINGUAL EDUCATION (EDBL)

6301. Foundations of Bilingual Education I. 3(3-0)

Analysis of the bilingual education movement at the international, national and state level, with special emphasis on the role of linguistics, national/state legislation and litigation.

6302. Foundations in Bilingual Education II. 3(3-0)

Major theories and concepts relevant to the education of language minority students, including: cultural values and education; cognitive styles; sociology of language; language varieties.

6306. Proposal and Dissertation Research. 3

Students are allowed no more than 6 hours of registrations to complete a dissertation proposal.

6310. Literature of the Mexican American. 3(3-0)

Course emphasizes extensive bibliographic knowledge of the field. Concentration on reading and analysis of the novel, short story, poetic and dramatic genres. Taught in Spanish.

6311. Management Systems and Technology. 3(3-0)

Application of management systems to curriculum development is analyzed. The contributions of current technologies for enhancing student achievement are highlighted. Prerequisite: 12 graduate semester hours in Education.

- 6312. Clinical Supervision of Instruction.** 3(3-0)
Course emphasizes cycle supervision and the improvement of individual teacher instructional behavior. Prerequisite: EDBL 6311.
- 6313. Evaluation of Instruction.** 3(3-0)
Course emphasizes evaluation skills as applied to curriculum development and student-teacher terminal behavior. Taught in English. Prerequisite: EDBL 6311 and EDBL 6312.
- 6321. Linguistics and Education I.** 3(3-0)
Major theories and related research on the acquisition and learning of English as a Second Language are presented and synthesized.
- 6322. Linguistics and Education II.** 3(3-0)
Comparison of English and Spanish in areas of phonology, morphology and syntax; major studies involving Spanish and English language acquisition are examined.
- 6331. Teaching English as a Second Language.** 3(3-0)
Analysis of current methodologies in the teaching of oral, reading and writing skills in English as a second language. Taught in English. Prerequisite: 12 graduate semester hours in education and three semester hours in linguistics.
- 6332. Teaching Spanish Language Skills.** 3(3-0)
Analysis of current problems and approaches to the teaching of oral, reading and writing skills throughout several countries of the Hispanic world today. Taught in Spanish. Prerequisite: 12 graduate semester hours in education.
- 6333. Teaching English Reading.** 3(3-0)
Analysis of current problems and approaches to the teaching of English reading for the bilingual child in Texas. Taught in English. Prerequisite: 12 graduate semester hours in education and 3 semester hours in linguistics.
- 6334. Teaching Subject Matter in Spanish.** 3(3-0)
Analysis of vocabulary, methodology and skills needed to teach subject matter in Spanish. Prerequisite: 12 graduate semester hours in education.
- 6371. Research Design in Bilingual Education.** 3(3-0)
Analysis of different approaches to research and the components involved in developing a sound research design. Prerequisite: 12 graduate semester hours in education.
- 6372. Descriptive Research in Bilingual Education.** 3(3-0)
Principles of descriptive research and their application to the field of bilingual education.
- 6373. Techniques of Research, Publication and Grant Development.** 3(3-0)
Focuses on survey research, the development of proposals for extramural funding and the dissemination of project findings. Preparation of materials for publication/dissemination will be emphasized.
- 6391. Advanced Topics in Bilingual Education I.** 3(3-0)
Directed research in a topic related to one of the following areas: EDSL, Spanish language skills, content area, child's native culture. May be repeated for credit once if topic changes. Taught in English or Spanish. Prerequisite: 12 graduate semester hours in education.
- 6393. Advanced Topics in Bilingual Education II.** 3(3-0)
Directed research in a topic related to one of the following areas: EDSL, Spanish language skills, content area, child's native culture. May be repeated for credit once if topic changes. Taught in English or Spanish. Prerequisite: 12 graduate semester hours in education.

HISTORY (HIST)

6311. History of the Mexican American.

3(3-0)

A study of the role of the Mexican American in history from the first Spanish settlers to the present. Taught in English. Prerequisite: 12 semester hours of history and/or political science.

SOCIOLOGY (SOCD)

6301. Sociology of the Mexican American.

3(3-0)

Perspectives of the culturally different child. Emphasis of sociocultural awareness and diagnostic and prescriptive strategies. Taught in English.

DOCTOR OF EDUCATION IN EDUCATIONAL LEADERSHIP

Marie-Anne L. Mundy, *Graduate Coordinator*
Rhode Hall 128. MSC 223. Extension 4224

Doctoral Faculty: Linda Challoo, Don Jones, Lori P. Kupczynski, Gerri M. Maxwell, Marie-Anne L. Mundy

The Ed.D. in Educational Leadership is a doctoral degree designed for leaders throughout the state at all educational levels. Courses emphasizing leadership in the areas of philosophical/sociological development, institutional organization, curriculum/instruction, school improvement, research and statistics are required in the program. Additional emphasis will be provided as a cognate of advanced courses in a career choice of the candidate.

The program is a joint doctorate in Educational Leadership between A&M-Kingsville and A&M-Corpus Christi, and students may attend classes on both campuses. Professors from both universities may serve as instructors and advisers for participants in the program.

Entrance Requirements

The candidate must submit the following criteria for entrance to the program: a Master's degree; combined verbal and quantitative score of 294 or higher on the Graduate Record Exam (GRE) OR 398 on the MAT; writing proficiency prompt; successful interview evaluation; and a personal written statement of commitment to the doctoral program.

Admission to Candidacy

Admission to the doctoral program does not imply admission to candidacy. Students will be admitted to candidacy upon successful completion of written and oral qualifying exams, required forms in the program and after successful completion of course work required in the program.

Course Longevity

A student must complete all requirements for the doctoral degree, including the dissertation, within ten consecutive years of initial registration for that degree. Graduate credits older than ten years are not applicable toward a doctoral degree without written approval from the Graduate Dean.

All post-master, doctoral course work (including the dissertation), must be satisfactorily completed by the doctoral student in a maximum of 99 semester credit hours. A doctoral student within the first 5 years of first starting the doctoral program who exceeds 99 Graduate Credit Hours in the doctoral program will still be allowed to register for graduate courses needed to complete said degree at the in-state tuition level. A student who exceeds 99 Graduate Credit Hours and the 5-year limit will only be allowed to register at the out of state rate. Any deviation from this policy will require the written approval of the graduate dean.

Residency

The residency will be three consecutive semesters beginning with full-time residency in the summer term, followed by consecutive fall and spring semesters with a minimum of 6 semester hours in each term.

Course Work

The total program consists of a minimum of 69 semester hours beyond the master's degree. Candidates enter as a cohort group and follow the program in a designed course sequence leading to the research component and the

writing of a dissertation.

Dissertation

A dissertation must be prepared under the direction of the major professor and approved by the student's graduate committee. The major professor will be a member of the educational leadership program. One committee member will be a member of the department. The dissertation may be directed toward either a scientific conclusion oriented study or toward a practical decision oriented investigation.

Full-Time Status

A full-time status course load is 9 semester credit hours during the fall and spring semesters and 3 semester credit hours during each of the summer sessions. For students at the dissertation stage, enrollment in Dissertation Research for 3 hours shall constitute a full load.

COUNSELING AND GUIDANCE (EDCG)

6301. Emotional Intelligence: an Integrated Model for Counseling and Educational Leadership. 3(3-0)
Approach for counseling and educational leadership using an education-based model of emotional intelligence. An integrated program model to build and foster positive human development and leadership by identifying, understanding, learning and applying the key skills and competencies of emotional intelligence, constructive thinking and hemispheric functions of the brain. A practical and research-based model of human emotional behavior that advanced students in counseling and educational leadership can apply to meet new expectations and needs of a changing society and educational systems.

EDUCATIONAL LEADERSHIP (EDLD)

6301. Philosophy of Education. 3(3-0)
Ontological, epistemological and axiological perspectives on various philosophical schools of thought related to education.

6302. Research Seminar. 3(3-0)
Current issues in educational leadership research; national, state and regional perspectives examined.

6303. The Politics of Education. 3(3-0)
Educational functioning from a political systems perspective; internal and external political forces influencing organizational effectiveness; shaping of educational policy; functional means of attaining and utilizing political power.

6306. Proposal and Dissertation Research. V:3-9
Proposal and dissertation research.

6311. Contemporary Theories of Educational Leadership. 3(3-0)
Assumptions of the major schools of thought regarding leadership; findings from research conducted pursuant to trait theory, behavioral theory and situational/contingency models; conceptions of leadership effectiveness; implications for leadership in educational organizations.

6312. Clinical Leadership Laboratory. 3(3-0)
Students undergo assessment of personal leadership skills through assessment center methodologies. Abilities assessed include decision making, group participation, interpersonal communication and presentation skills.

6313. Policy Development and Decision-Making. 3(3-0)
Study of policy conceptualization; development and implementation integrated with decision-making processes; ethical and moral responsibility of educational leadership.

6314. Professionals in Educational Organizations. 3(3-0)
The nature of professionalism in education; points of conflict between bureaucratic and professional norms; accommodations to conflict; integrating professional norms with organizational requirements; organizational leadership of professionals; the character of professional associations in education.

- 6315. Multicultural Analysis: Concepts for Educational Leaders.** 3(3-0)
Examines multicultural relations in American society and explores solutions to critical problems confronting educational systems in general and educational leaders in particular into the twenty-first century. Prerequisites: admission to the Joint University Doctor of Education program at Texas A&M University-Kingsville and Texas A&M University-Corpus Christi.
- 6321. Instructional Theory.** 3(3-0)
Theoretical basis for understanding instructional models and processes; research relevant to factors influencing instructional effectiveness and the interaction among instructional and learning variables.
- 6322. Analysis of Learning Environments.** 3(3-0)
Analysis of the school and classroom social system; examination of social, cultural and psychological variables that influence school learning.
- 6323. Advanced Topics in Educational Leadership.** 3(3-0)
Selected topics in an identified area of educational leadership; advanced investigations of selected topics and problems dealing with curriculum, theory, legal issues, program design and experimental formulations. May be repeated for credit when topics vary.
- 6324. Curriculum Theory.** 3(3-0)
An analysis of theoretical structures underlying curriculum development, implementation and evaluation.
- 6331. Educational Innovations.** 3(3-0)
An examination of the basic elements of successful school renewal programs with emphasis on systematic approaches to educational innovation and the process of change; studies of successful innovative programs.
- 6333. Statistical Reasoning** 3(3-0)
Introduction to statistics for educational leaders. Topics include: descriptive and inferential statistics: frequency distributions, central tendency, variability; the normal curve, z-scores, percentile ranks; hypothesis testing, one-sample test, estimation, single-factor analysis of variance (one-way ANOVA) bivariate correlation, bivariate regression and effect size indices. Course also includes hands-on microcomputer laboratory experiences in the use of the Statistical Package for the Social Sciences (SPSS) with exercises related to the topics covered.
- 6334. Qualitative Research Design.** 3(3-0)
Experimentally based study of qualitative research philosophy, nature, purposes, design and practice. Additionally, course will elaborate as well as expand knowledge of the methods and various approaches to social sciences and educational research diversely known as ethnographic, participant observation, qualitative, case study, naturalistic or interpretive.
- 6335. Research in Educational Leadership** 3(3-0)
Designed to extend the student's knowledge of and expertise in areas of qualitative and quantitative research, use of electronic resources, styles and format of writing research. Prerequisite: admission to the doctoral program in Educational Leadership.
- 6345. Advanced Qualitative Research.** 3(3-0)
An advanced level understanding of the process and method of data collection and the various methods of data analysis strategies in qualitative research as well as deeper grasp of the description, analysis, and interpretation of qualitative research.
- 6392. Advanced Topics in Statistical Reasoning.** 3(3-0)
Topics covered will be parametric and non-parametric procedures, prediction and association methods and test construction and scaling. Includes hands-on microcomputer experience in the use of the Statistical Package for the Social Sciences (SPSS) with exercises related to the topics covered. Prerequisite: EDLD 6333.

6397. Dissertation Research.

3(3-0)

Principles of research design as they apply to both descriptive and experimental studies in educational leadership.
Prerequisite: EDLD 6335.

TRANSCRIPTED CERTIFICATE IN HIGHER EDUCATION ADMINISTRATION AND LEADERSHIP (HEAL) (Doctoral Level)

Lori Kupczynski, *Graduate Coordinator*
Rhode Hall 103. MSC 223. Extension 2430.

Graduate Faculty: Lori P. Kupczynski, Marie-Anne L. Mundy

Higher Education Leadership is a growing career choice for faculty teaching at post-secondary institutions, community colleges and universities. There are many positions of leadership in higher education that would benefit from prior knowledge of the higher education system and how it works. This program will target these leaders as well as graduate students from any discipline who are aiming for tenure-track faculty positions.

Entrance Requirements

Students may be admitted to the program from a variety of academic backgrounds. Students who enroll in the transcribed certificate program in Higher Education Administration and Leadership must meet general graduate admission requirements for Texas A&M University-Kingsville.

Students currently enrolled in a doctoral program at Texas A&M University-Kingsville may complete the admission form found on the program webpage at [HEAL Program Webpage](#).

Students who are not currently enrolled in a doctoral program at Texas A&M University-Kingsville, but have achieved a Master's degree from any accredited university: Complete the Apply Texas application, select the certificate in higher education, and submit all transcripts to Texas A&M University-Kingsville.

Certificate Completion

To receive the transcribed certificate, students will complete five (5) classes (15 hours) from the six (6) classes (18 hours) listed below.

6325. Student Personnel Services in Higher Education. 3(3-0)

Provides an overview of the conceptual and operational aspects that impact the student personnel programs of higher education institutions in the United States. It is designed to prepare individuals for leadership positions in the field, offering an overview of content areas of personnel services offered in colleges and universities. Legal, ethical and professional identity issues are also examined.

6326. Curriculum/Program Planning and Evaluation in Higher Education. 3(3-0)

Provides an overview of the conceptual and operational aspects that impact curriculum and instruction in higher education institutions in the United States. Emphasis is on strategies for anticipating future societal needs and developing higher educational curriculum to meet those needs. It is designed to prepare individuals for teaching and leadership positions in higher education and education related fields.

6327. Higher Education Administration. 3(3-0)

Provides an overview of various elements in higher education administration, including an understanding of the role of boards of trustees, presidents, faculty, unions, students, state and federal governments, coordinating boards and accreditation agencies. Focus is on attributes of successful contemporary leadership in higher education.

6328. Strategic Enrollment Leadership. 3(3-0)

Focuses on strategic enrollment management, an approach to improving relationships within an institution. It provides a review of principles and practices for leading recruitment, enrollment management and leadership within community colleges, 4-year colleges and universities. Specific attention is given to effective enrollment management and leadership, recruitment, retention, institutional advancement, student service and targeted communication.

6336. Teaching and Research in Higher Education.

3(3-0)

Provides a detailed study of teaching and research in higher education. Research, theory and principles of teaching and learning are explored with a specific emphasis on differentiation between university and community college environments. Application of theory is presented and analyzed along with research findings and practices for curricula design and instruction in the higher education environment.

6338. Legal and Ethical Issues in Higher Education.

3(3-0)

Surveys the legal issues arising from the relationship between higher education institutions and their governing boards, administrators, faculty, students and governmental bodies. Will explore the role of landmark and current legislation and course decisions in academic and student affairs, distance learning and fiscal and campus management.

SOCIOLOGY (SOC)

6302. Community Development.

3(3-0)

Ethical perspectives on community development; processes by which groups within a community work together to fulfill community needs through interinstitutional cooperation; establishing cross-institutional linkages; public and private resources for community development; structures and processes of interinstitutional cooperation; examples of existing and needed structures and processes in the South Texas region.

DOCTORAL PROGRAMS IN ENGINEERING

DOCTOR OF PHILOSOPHY IN ENVIRONMENTAL ENGINEERING

David Ramirez, *Doctoral Graduate Coordinator*
Contact: 361-593-2003

The Doctor of Philosophy degree in Environmental Engineering offered by the Department of Environmental Engineering at Texas A&M University–Kingsville prepares students for careers in research, teaching and environmental management. As environmental issues transcend media and geographic borders, it is increasingly important for the environmental professional to be able to address issues and derive solutions from a holistic basis. Students enrolled in the program are exposed to the fundamental principles, tools and applications in Environmental Systems Engineering spanning eight areas: 1) Air Quality, 2) Water Quality, 3) Solid/Hazardous Waste, 4) Ecological Engineering, 5) Natural Resources Management, 6) Environmental Systems, 7) Environmental Informatics and 8) Environmental Biotechnology.

Entrance Requirements

Students must hold a minimum of a baccalaureate degree and an acceptable combination of GRE scores, TOEFL or IELTS score (international students) and grade point average. Applications will be considered on an individual basis. Contact the Doctoral Graduate Coordinator, Department of Environmental Engineering for details.

Graduate Committee

The student's Advisory Committee will be comprised of at least four faculty members in addition to the research adviser. At least two of the members, in addition to the research adviser, must be from the Department of Environmental Engineering. The College of Graduate Studies will assign one additional non-voting faculty member, the Graduate College Representative (GCR).

Initial Degree Plan

The student must file an initial degree plan with the Graduate Dean within one semester of being admitted to the Ph.D. program in Environmental Engineering.

Course Longevity

A student must complete all requirements for the doctoral degree, including the dissertation, within ten consecutive years of initial registration. Graduate credits older than ten years are not applicable toward a doctoral degree without written permission of the Graduate Dean.

All doctoral course work (including the dissertation) will be satisfactorily completed by the doctoral student in a maximum of 99 semester credit hours. If the Graduate Dean approves in writing that a student may proceed beyond the 99 credit hour limit, the student will be assessed out-of-state tuition.

Qualifying Examination

The student must successfully complete a qualifying examination after completing 15 credit hours of course work and before completing the first 30 credit hours applicable toward the Ph.D. degree, as defined in the initial degree plan. The qualifying exam will be formulated by the faculty in the Department of Environmental Engineering with the purpose of evaluating the student's grasp of the fundamental topics considered necessary for the successful completion of a Ph.D. in Environmental Engineering. Students failing to pass the qualifying exam may be denied candidacy. Recommendations will be made to students passing the qualifying exam concerning modifications to the initial degree plan to fill identified knowledge gaps. The students must complete their dissertation proposal within the first 45 hours of their doctoral study.

Admission to Candidacy

The student must apply for candidacy in the Ph.D. program in Environmental Engineering within 45 hours of completion applicable to the Ph.D. degree as defined in their initial degree plan. Admission to candidacy requires:

- Successful completion of the qualifying exam

- Selection of a Research Adviser
- Selection of an Advisory Committee
- Filing of a final degree plan
- Submission and successful defense of a dissertation proposal

Dissertation

All candidates will be required to conduct an original scientific or engineering investigation that will become the basis for the Ph.D. dissertation. The student's graduate committee and the graduate dean must approve the dissertation.

Completion

The degree "Doctor of Philosophy" will be conferred on those students:

- Admitted to candidacy.
- Maintaining (for all courses identified on their final degree plan as being applicable and non-foundation or leveling, to the Ph.D. degree) a minimum grade of "C" in each course and a cumulative grade point average of 3.0 or better on a scale of 4.0.
- Successfully defending the dissertation in the presence of the Research Adviser, Advisory Committee and the Graduate College Representative.

Normal Course Load

A full-time status course load is nine-semester credit hour during the fall or spring semesters and three-semester credit hour during each summer session. For students at the dissertation stage, enrollment in Research/Dissertation Writing courses constitutes a full load.

ENVIRONMENTAL ENGINEERING (EVEN)

6102. Graduate Seminar in Environmental Engineering. 1(1-0)

Provides students with exposure to multidisciplinary opinions on current and future environmental issues from industrial, scientific, academic, governmental and engineering experts, in an environment that fosters productive exchange of ideas. Prerequisite: graduate standing in EVEN or related discipline. Credit/Noncredit.

6301. Environmental and Occupational Health. 3(3-0)

Overview of pertinent regulations and regulatory infrastructure. Development and application of the fundamental principles that determine environmental and occupational health. Discussion of methods for controlling environmental occupational hazards. Introduction to Environmental Health and Safety Information Systems.

6304. Internship in Environmental Engineering. V:1-3

Allows environmental engineering graduate students to participate in internships with industry, government and environmental consulting companies in career-based practical activities to broaden the skills obtained through curricular education. Attention will be given to select opportunities where the job training enhances the particular research needs of each student. Credit/Noncredit.

6306. Proposal and Dissertation Research. 3

Students are allowed no more than 6 hours of registrations to complete a dissertation proposal.

6308. Fundamentals of Solid/Hazardous Waste Engineering. 3(3-0)

Overview of pertinent federal and state regulations. Fundamentals of solid/hazardous waste generation, management, treatment and disposal. Emphasis on the modeling aspects of the fate and transport of hazardous waste in the environment. Discussions of assessment planning, waste minimization, effective management of waste material and the application of treatment and disposal technologies.

6309. Fundamentals of Air Quality and Pollution Control. 3(3-0)

Classification of air pollutants by the Clean Air Act and its amendments. Fundamental theories of air pollution and atmospheric science. Air pollution meteorology, atmospheric dispersion modeling and an introduction to air quality models. Control technology of gaseous air pollutants, process design variables applications.

- 6311. Air Quality Modeling.** 3(3-0)
Physico-chemical process analysis of the atmosphere. Discussion of air quality models, types and applications. Development of an atmospheric chemical transport model for urban and regional scale applications. Performance evaluation and statistical assessment of air quality models. Stochastic modeling and analysis of air quality problems. Prerequisite: MATH 3320.
- 6312. Surface Water Quality Modeling.** 3(3-0)
Ecological and human effects assessment; environmental decision criteria; monitoring strategies; environmental exposure assessment; development of pollutant transport, fate and persistence models; model parameter estimation. Prerequisites: MATH 3320.
- 6313. Groundwater Contaminant Transport Modeling.** 3(3-0)
Advanced topics in groundwater flow problems and contaminant transport modeling, including groundwater transport model selection, initialization and calibration with an emphasis on model application to regional water resources protection and planning. Prerequisites: MATH 3320.
- 6314. Ecosystem Modeling.** 3(3-0)
Discussion of ecosystem models, types and applications. Emphasis is placed on incorporation of relevant forcing functions and system processes into models to predict design outcomes for restoration and re-creation. Ecosystem modeling definitions, concepts and principles in their application to understanding ecosystem response to human induced perturbations. Development of a dynamic, ecosystem computer simulation model. Prerequisite: MATH 3320.
- 6315. Fundamentals of Water Quality Engineering.** 3(3-0)
Overview of pertinent regulations and regulatory infrastructure. Introduction to fundamental principles of water supply and pollution control. Characterization of water quality and its relationship to quantity. Development and application of analytical methods for modeling and modifying water quality and in natural and engineering systems.
- 6316. Fundamentals of Environmental Biotechnology.** 3(3-0)
Overview of microbiology fundamentals and development of quantitative tools for describing stoichiometry, microbial energetics, microbial kinetics, biofilm kinetics and bioreactor mass balances. Application of these tools for designing processes for treating solid, liquid and gas phase pollutants, including solid waste composting, wastewater treatment, sludge digestion, bioremediation and air biofiltration. Analysis of complex biological systems involving dynamic multispecies interactions.
- 6318. Environmental Systems Modeling.** 3(3-0)
Designed to introduce the basic approaches for modeling environmental systems. Impacts from anthropogenic activities to the environment will be systematically evaluated via the use of various simulation approaches. Case studies in understanding complex environmental systems will be incorporated to enhance the integrated skills available for model synthesis via multidisciplinary analysis. Prerequisite: MATH 3320.
- 6319. Chemical Principles of Environmental Engineering Design.** 3(3-0)
Discussions and applications of chemical principles in disinfection, air pollution, geochemistry and aquatic, microbial, redox and coagulation chemistry in systems design for environmental engineering. Introduction to chemical computer models for environmental applications. An overview of the biogeochemistry of natural water systems and the chemistry of the atmosphere.
- 6320. Environmental Risk Assessment and Management of Risk.** 3(3-0)
Quantitative and qualitative topics in the characterization of environmental risk and the development of acceptable concentrations. Evaluation of models to develop guideline concentrations and regulatory options and actions to manage risk.
- 6325. Physical-Chemical Water Treatment Processes.** 3(3-0)
Overview of the theory and mechanisms governing physical and chemical water treatment processes. Application of chemical and physical process theory to the practical design of systems for water and wastewater treatment and residuals management. Basic design features of the treatment systems are presented, with an emphasis on the

underlying principles. Prerequisite: graduate standing.

6329. Environmental Monitoring and Measurements. 3(1-3)

An integrated experience in developing and designing laboratory experiments and field sampling campaigns, acquiring and analyzing high quality data for understanding environmental phenomena and presenting experimental results using state-of-the-art communication tools. Emphasis is also on project-oriented, team-based projects that promote collaborative learning.

6330. Ecological Engineering. 3(3-0)

Discussion of the fundamental processes and attributes of natural systems, including hydrology, biogeochemistry and ecology, with the emphasis on the engineer's role in creating and restoring natural systems. Techniques for terrestrial, aquatic and wetland ecosystem creation and restoration, including assessment, planning and construction.

6331. Industrial Ecology. 3(3-0)

Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, organizational structures and how industries can learn from their natural counterpart. Fundamentals of natural ecosystems as models for the design, creation and operation of industrial ecosystems. Role of engineered ecosystems in industrial ecosystems (e.g., residual-product resource recovery, contaminated site remediation water conservation). Discussion of pollution prevention tools for industrial and process design, including green chemistry and green engineering approaches to process and product design, and environmental performance evaluation tools, including life cycle assessment.

6332. Environmental Data Analysis. 3(3-0)

Topics concerning the unique characteristics of environmental data, the process of statistical characterization, the identification of system changes, the usefulness of non-parametric approaches and the utilization of data in characterizing risk and the determination of acceptable environmental cleanup standards to manage risk. Prerequisites: MATH 3320.

6340. Decision Sciences for Environmental Systems. 3(3-0)

Provides the fundamentals of decision science theory in support of large-scale complex environmental systems analysis. Discussions and lectures will cover the realm of multi-criteria decision-making. The basics of multi-attribute decision-making and multi-objective stochastic programming, gray programming, fuzzy programming and their combinations will be emphasized.

6341. Environmental Informatics. 3(3-0)

Introduction to environmental data types and structures. Discussion of database design and tools, data warehousing, environmental information management using Geographic Information Systems (GIS), theory and environmental application of remote-sensing technologies; environmental knowledge management and decision support using knowledge-based systems.

6342. Engineering Optimization for Environmental Systems. 3(3-0)

Provides the fundamentals of optimization theories and their real world application potential for environmental systems planning and pollution control. Class discussions of fundamental operational research techniques cover linear programming, integer programming, dynamic programming and nonlinear programming. Case studies are designed to deal with the typical planning, design and operation problems for environmental infrastructure systems with regard to complex multidisciplinary decision-making.

6343. Environmental Management Systems. 3(3-0)

Introduces the basic knowledge of current environmental management systems applied in both public and private sectors. Class discussions will cover conventional development of ISO 14001 Environmental Management Systems (EMS) for various levels of organizations. Possible extensions of internal and external environmental auditing, environmental label and life cycle assessment can be made based on relevant Total Quality Environmental Management (TQEM) requirements. Case studies emphasize enterprise strategic environmental management planning for organizations and their stakeholders, in the context of environmental regulatory, law and policy. Topics will be linked with ecoproduct evaluation, environmental performance evaluation and green production planning to search for strategies compatible with ISO 14001-accreditation.

6354. Environmental Regulations and Policy.

3(3-0)

Overview of federal and state regulations and international agreements for the protection of human and environmental health. Legal, social, political and economic patterns and processes, which set the stage for the development of environmental policy. Impacts and interactions of environmental regulation and policy on the design and implementation of environmental management systems in the public and private sectors. Discussion of environmental ethics and interactions with the environmental engineering profession and with the formulation of environmental regulations and policy.

6356. Special Topics in Environmental Engineering.

3(3-0)

Courses offered under this Special Topics designation concentrate on themes not present in the current EVEN curriculum or can also be offered to strengthen and provide further depth of study in important areas of environmental engineering. Topics vary to reflect new developments and interests on emerging areas of environmental engineering. May be repeated when topic changes.

DOCTOR OF PHILOSOPHY IN SUSTAINABLE ENERGY SYSTEMS ENGINEERING

Director of the Program: Dr. Nael Barakat

Contact: 361-593-2001

The Ph.D. program in Sustainable Energy Systems Engineering within the Frank H. Dotterweich College of Engineering is a multidisciplinary program that integrates various fields of engineering and science. The theme of the Ph.D. program addresses various aspects of energy research including the sustainable utilization of fossil fuels and renewable resources, design of devices for efficient energy conversion, smart distribution and storage of energy, and sustainability and environmental impact of energy-related activities. The program provides students with opportunities to participate in the intricate and interdisciplinary engineering and science research topics in energy-related fields and enables students of exceptional ability to undertake cutting-edge research in energy-related topics. It also prepares students to solve problems in an increasingly complex, dynamic and global energy society, prepares candidates to become entrepreneurs creating innovative solutions, and to be successful in their chosen career paths.

Coursework

Core Courses: Advanced Engineering Math for Energy Systems, Sustainable Energy Systems and Policy, Fundamentals of Power Generation and Storage, Energy Systems Integration and Design, Research in Sustainable Energy Systems Engineering, Graduate Seminar in Sustainable Energy Systems Engineering
Elective Courses: Multiphysics Modeling, Thermal Engineering Systems, Advanced Combustion, Energy Resource Management and Optimization, Smart Grids, Power Electronics, Solar Power, Wind Power, Nuclear Power, Advanced Chemical Kinetics, Sustainable Construction and Materials, and other special topics

Admission Requirements

The general admission for the Ph.D. program requires that applicants must have earned bachelor's or master's degree in engineering or science, must submit a complete curriculum vitae, copies of transcripts from each institution of higher education attended, a statement of purpose describing their research interests, three letters of recommendation from their academic or professional contacts, a nonrefundable application fee, GRE scores, and TOEFL score for applicants whose native language is not English. Admission is highly competitive and decisions are based on the evaluation of multiple factors, including the need, capacity, and resources of the program.

Degree Requirements

The Ph.D. program includes a total of 63 Semester Credit Hours (SCH) beyond the master's degree. This will include 12 SCH required courses, 15-18 SCH elective courses, 27-30 SCH of research in sustainable energy systems engineering dedicating to student's dissertation work, and 6 SCH of graduate seminar. Students must also pass qualifying examination, be admitted to candidacy, and must successfully defend doctoral dissertation.

SUSTAINABLE ENERGY SYSTEMS ENGINEERING (ESEN)

6102. Graduate Research in Sustainable Energy Systems Engineering. 1(1-0)

Exposure to multidisciplinary options on current and future issues on Sustainable Energy Systems from industrial, scientific, academic, governmental and engineering experts, in an environment that fosters productive exchange of ideas. Credit/Noncredit. Prerequisite: Graduate Standing.

6303. Advanced Topics in Sustainable Energy Systems Engineering 3(3-0)

One or more advanced topics. May be repeated when topic changes.

6306. Research in Sustainable Energy Systems Engineering. 3(3-0)

Proposal. The abstract and signature page of the proposal should be filed with the Office of Graduate Studies upon successful defense by the student and approval of the document by the dissertation committee. Dissertation Defense. Student must successfully defend a dissertation. A quorum of the members of the dissertation committee if required of the defense. The Graduate Council Representative must be in attendance for the defense. Dissertation. A candidate must complete a dissertation which is acceptable to the student's advisory committee and the Dean of the Graduate Studies. To be acceptable, the dissertation must give evidence that the candidate has pursued a program of research, the result of which reveals superior academic competence and a significant contribution to knowledge.

6310. Sustainable Energy Systems & Policy. 3(3-0)

An overview of existing and upcoming renewable energy technologies. Fundamentals of energy generation in each approach are presented in detail. Assessment of technologies is attained based on comparative sustainability. Evaluation of energy generation technologies is established via life cycle assessment of climate change impact. Trends and probable future energy scenarios are discussed.

6311. Fundamentals of Power Generation and Energy Storage. 3(3-0)

Updated power generation and storage technologies. Design and evaluation of various types of power generation, storage systems, and its components using fundamentals of interdisciplinary engineering principles and a software. Prerequisites: MEEN 5321 and MEEN 5347.

6312. Energy Systems Integration and Design. 3(3-0)

A unique system-of-systems concept to energy systems integration. The relationships among electricity, thermal, and fuel systems and data and information networks to ensure optimal integration and interoperability across the entire system spectrum. Prerequisites: Graduate standing.

6313. Advanced Engineering Mathematics. 3(3-0)

Foundation of calculus, Stochastic processes, Fundamentals of Mathematical Analysis, Optimization principles. Prerequisites: 5000 level Math course or instructor approval.

6321. Smart Grids 3(3-0)

Fundamentals of smart power grids, technology advances in transmission and distribution systems, policy drivers, assets and demand management, and smart grid security. Prerequisites: Graduate standing and approval from instructor.

6324. Power Electronics. 3(3-0)

Power semiconductor devices, Dynamic modeling and control of switch mode power converters, Soft-switching and resonant converter topologies, High frequency power magnetic components, Power electronics modeling, control. Optimization and design for smart grids with renewable energy resources, Advanced practical converter design for contemporary systems. Prerequisites: A basic power electronics course or the instructor consent.

6325. Solar Power. 3(3-0)

Traditional solar cell architectures, 1st and 2nd generation solar cells, nanotubes and nanowires based solar cells, thin-film organic conjugates solar cells, CIGS solar cells, plasmonic effects and light trapping. Prerequisite: Graduate standing.

6326. Characterization of Materials. 3(3-0)

This course on materials characterization techniques is designed to help engineers and scientists who have little background in materials analysis to realize the abundance of analytical methods available to provide information about their components. Characterization describes those features of composition and structure of material that are significant for a particular preparation, study of properties or use, and suffice for reproduction of the material. The topics covered are vacuum theory, imaging techniques, vibration spectroscopy, electron emission spectroscopy, X-ray diffraction, techniques for characterization of thermal, mechanical, and electrical properties. Prerequisites: Undergraduate degree in engineering or physical sciences.

6328. Nanofabrication and Nanoscale Devices. 3(3-0)

This course is designed to give students experience in nanofabrication methods such as thin film deposition, etching and lithography to manipulate a wide variety of materials including dielectrics, semiconductors, organics, polymers, metallic materials and molecular films. In addition, this course will introduce MEMS/NEMS and CMOS devices. Prerequisites: Undergraduate degree in engineering or physical sciences.

6329. Multiphysics and Multiscale Modeling in Sustainable Energy Systems: Techniques and Applications 3(3-0)

Review of macroscopic and microscopic transport laws and conservation principles that occur in the analysis of sustainable engineering systems involving multiscale and multiphysics phenomena. Methods for constructing models that involve coupling between electrical, mechanical, fluid flow, energy transport and species transport are

presented through various examples and case studies. The efficient utilization of modern software tools to generate solutions, such as MATLAB and COMSOL Multiphysics, will extensively be taught along with the underlying mathematical and computational science. Graduate standing in engineering or permission of the instructor is required.

6331. Thermal Systems Engineering. 3(3-0)

Understanding of the general theory of designing thermal systems. The dynamics and factors affecting the design of thermal systems. Prerequisites: MEEN 3347 and MEEN 3392.

6332. Advanced Combustion. 3(3-0)

Understanding of the general theory of combustion and its application to premixed diffusion flames, detonation, ignition, and turbulent diffusion flames. Environmental combustion considerations. Prerequisite: MEEN 3347.

6334. Energy Resources Management and Optimization. 3(3-0)

Advanced knowledge related to energy resource management and optimization. Different types of energy resources, including petroleum and natural gas, electricity, and renewable energy. Comprehensive real world examples to describe various optimization problems, risk and logistics management, and regulations. The latest policy initiatives and recent trends in energy resource management. Prerequisites: Graduate standing and approval from instructor.

6335. Wind Power. 3(3-0)

Basics of Wind Energy and Power, Kinetic Energy of Wind, Properties of Wind, Statistical Distribution of Wind Speed, Wind Measurement and Sensors, Deploying Wind Turbines in Grid, Environmental Impact of Wind Turbines, Wind Classes, Shear, Operation and Control. Prerequisite: Graduate standing.

6337. Nuclear Power. 3(3-0)

Nuclear and atomic physics, Interactions and measurement of radiation with matter, Nuclear reactor and nuclear power, Nuclear reactor theory, Nuclear reactors control, Basics of neutron and reactor physics, neutron diffusion and reactor critical, nuclear materials and waste, and environmental issues. Prerequisites: Differential Equations, Atomic Structure.

6341. Advanced Chemical Kinetics. 3(3-0)

Theory and applications of the principles of reaction kinetics to reactions involving substances in the gaseous, liquid, or solid state with an emphasis on those that occur in the energy sciences and sustainable reacting systems. Reactions catalyzed by organo-metallic complexes or solid heterogeneous catalysts and the analysis of transport-kinetic interactions for multiphase fluid-fluid and fluid-solid systems. Experimental techniques for measurement of reaction rates for both single phase and multiphase reaction environments. Prerequisites: Graduate standing and permission of instructor.

6343. Advanced Engineering Math for Energy Systems. 3(3-0)

Simultaneous Equations – Equilibrium, Eigenvalues and Eigenvectors, Extreme Values of Functions, Calculus of Variations, Extremum Principles of Thermodynamics, Stationary and Extremum Principles of Solid Mechanics. Equations of Motion and Stationary Principles of Lagrange and Hamilton. Prerequisites: Graduation standing and approval of instructor.

6351. Sustainable Construction and Materials. 3(3-0)

This course introduces students to the well-known green building council's Leadership in Energy & Environmental Design (LEED) suite of standards to explain the best practices in building procurement and delivery systems, Canadian Home Builders Association (CHBA) green guidelines, and green roads. Prerequisite: Graduate standing.

FACULTY

(As of 5/31/2017)

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LIST OF COURSE PREFIXES

The following are the keys to the prefixes used with the course numbers:

ACCT	Accounting	HSCI	Human Sciences
ADED	Adult Education	IEEN	Industrial Engineering
AEEN	Architectural Engineering	IMEN	Industrial Management
AGBU	Agribusiness	INRW	Integrated Reading and Writing
AGRI	General Agriculture	ISYS	Information Systems
AGSC	Agriculture Science	ITEN	Industrial Technology
ANSC	Animal Science		
ANTH	Anthropology	MATH	Mathematics
ARTS	Art	MEEN	Mechanical Engineering
		MGMT	Management
BCOM	Business Communications	MKTG	Marketing
BIOL	Biology	MUSA	Music (Applied)
BLAW	Business Law	MUEN	Music (Ensemble)
BUAD	Business Administration	MUSI	Music
CEEN	Civil Engineering	NCBR	Non-Course Based Option Reading
CHEM	Chemistry	NCBW	Non-Course Based Option Writing
CHEN	Chemical Engineering	NGEN	Natural Gas Engineering
COMJ	Journalism		
COMM	Communications	PHIL	Philosophy
COMS	Speech	PHYS	Physics
CRIJ	Criminal Justice	PLSS	Plant and Soil Science
CRIM	Criminology	POLS	Political Science
CSDO	Communication Sciences and Disorders	PSYC	Psychology
CSEN	Computer Science		
CULS	Cultural Studies	RAMT	Ranch Management
		READ	Reading (Center for Student Success)
ECON	Economics	RELG	Religion
EDAD	Educational Administration	ROTC	Military Science
EDBL	Bilingual Education	RWSC	Range and Wildlife Science
EDCG	Counseling and Guidance		
EDCM	Clinical Mental Health Counseling	SCWK	Social Work
EDEC	Early Childhood	SOCI	Sociology
EDED	Education	SPAN	Spanish
EDHL	Health	STAT	Statistics
EDKN	Kinesiology	SWBS	Southwest Borderlands Studies
EDIT	Instructional Technology		
EDLD	Educational Leadership	THEA	Theatre Arts
EDRG	Reading (Education)		
EDSE	Special Education	UNIV	University Learning
EDSL	English as a Second Language		
EEEN	Electrical Engineering	VETT	Veterinary Technology
ENGL	English		
EVEN	Environmental Engineering	WGST	Women and Gender Studies
		WRIT	Writing
FINC	Finance	WSCI	Wildlife Science
FREN	French		
GEEN	General Engineering		
GEOG	Geography		
GEOL	Geology		
HIST	History		