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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 with questions about accreditation 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

College of Business Administration is accredited by Association to Advance Collegiate Schools of Business, also known as AACSB International.

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
TEXAS A&M UNIVERSITY-KINGSVILLE

The Texas A&M University System
John Sharp, Chancellor

Board of Regents
Elaine Mendoza, San Antonio, Chairman
Tim Leach, Midland, Vice Chairman
Phil Adams, Bryan/College Station
Robert L. Albritton, Fort Worth
Jay Graham, Houston
Michael A. "Mike" Hernandez III, Fort Worth
Bill Mahomes, Dallas
Michael J. Plank, Houston
Cliff Thomas, Victoria
Levi McClenny, Student Regent

University Administration
Mark A. Hussey, President
College Hall 201. MSC 101. 361-593-3207.

J. Randy Hughes, Chief of Staff
College Hall 201. MSC 101. 361-593-3207.

George A. Rasmussen, Provost and Vice President for Academic Affairs
College Hall 250. MSC 102. 361-593-3108.

Antonia Alvarez, Acting Director for Student Affairs
College Hall 201. MSC 103. 361-593-3612.

Stephen P. Roach, Executive Director of Athletics & Campus Recreation
McCulley Hall 112. MSC 202. 361-593-2800

Richard L. Anderson, Interim Vice President for Finance and Chief Financial Officer
College Hall 206. MSC 144. 361-593-2410.

Maureen Croft, Vice President for Enrollment Management
College Hall 234. MSC 227. 361-593-4998.

George A. Rasmussen, Vice President for Research and Graduate Studies
College Hall 150. MSC 118. 361-593-2809.

Bradley Walker, Vice President for Advancement and External Relations
Memorial Student Union Building. MSC 173. 361-593-3918.

Jaya Goswami, Associate Vice President for Academic Affairs
College Hall 250. MSC 102. 361-593-3098.

Maria Martinez, Interim Associate Vice President for Student Access
College Hall 230. MSC 181. 361-593-2129.

Joanne Macias, Interim Associate Vice President for Fiscal Affairs and Comptroller
College Hall 122A. MSC 104. 361-593-2897.

Shannon Baker, Interim Associate Vice President for Student Success
College Hall 234. MSC 133. 361-593-2157.

Robert Paulson, Associate Vice President for Information Technology/Chief Information Officer
College Hall 230. MSC 185. 361-593-5002.

Ralph Stephens, Associate Vice President for Support Services
College Hall 212. MSC 212. 361-593-3717.
## Faculty Honors

### Regents Professors

<table>
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<tr>
<th>Year</th>
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<tbody>
<tr>
<td>1997</td>
<td>Dr. James R. Norwine</td>
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<td>1998</td>
<td>Dr. Leslie G. Hunter</td>
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<tr>
<td>1999</td>
<td>Dr. John C. Perez</td>
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<td>2000</td>
<td>Dr. Timothy E. Fulbright</td>
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<tr>
<td>2001</td>
<td>Dr. Jacqueline Thomas</td>
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<td>2002</td>
<td>Dr. Jo Beran</td>
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<td>2004</td>
<td>Dr. Steven Lukefahr</td>
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<tr>
<td>2005</td>
<td>Dr. Paul Hageman</td>
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<tr>
<td>2007</td>
<td>Dr. Michael Tewes</td>
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<tr>
<td>2008</td>
<td>Dr. Scott Henke</td>
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<td>2009</td>
<td>Dr. David Sabrio</td>
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<tr>
<td>2010</td>
<td>Dr. Mauro Castro</td>
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<td>2012</td>
<td>Dr. Kathleen Rees</td>
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<tr>
<td>2013</td>
<td>Dr. Nestor Sherman</td>
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<tr>
<td>2014</td>
<td>Dr. Karen Sue Bradley</td>
</tr>
<tr>
<td>2016</td>
<td>Dr. Kim Jones</td>
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<td>2017</td>
<td>Dr. Gregory Sanders</td>
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<tr>
<td>2018</td>
<td>Dr. Randall Williams</td>
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### Chancellor’s Academy of Teacher Educators

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<tr>
<td>2012</td>
<td>Dr. Karen Sue Bradley</td>
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<tr>
<td>2013</td>
<td>Dr. Jack Bradley</td>
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<tr>
<td>2014</td>
<td>Dr. Greta Schuster</td>
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<tr>
<td>2015</td>
<td>Dr. Randall Williams</td>
</tr>
<tr>
<td>2016</td>
<td>Dr. Lorraine Killion</td>
</tr>
<tr>
<td>2017</td>
<td>Dr. Marie Lassmann</td>
</tr>
<tr>
<td>2018</td>
<td>Dr. LaVonne Fedynich</td>
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### Faculty Lecturers

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<tr>
<td>1981</td>
<td>Dr. Robert B. Davidson</td>
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<tr>
<td>1982</td>
<td>Dr. Jan Bogdan Drath</td>
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<tr>
<td>1983</td>
<td>Dr. Sandy Burton Hicks</td>
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<td>1984</td>
<td>Dr. Leo L. Bailey</td>
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<tr>
<td>1985</td>
<td>Mr. Maurice Schmidt</td>
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<tr>
<td>1986</td>
<td>Dr. Mary Mattingly</td>
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<td>1987</td>
<td>Dr. David T. Deacon</td>
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<td>1988</td>
<td>Dr. Thomas C. Pierson</td>
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<td>1989</td>
<td>Dr. Emil A. Mucchetti</td>
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<td>1990</td>
<td>Dr. Robert McLauchlan</td>
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<td>1991</td>
<td>Dr. Rosario Torres Raines</td>
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<td>1992</td>
<td>Dr. Francisco Lopez</td>
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<td>Year</td>
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<td>1993</td>
<td>Dr. Bill Chandler</td>
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<tr>
<td>1994</td>
<td>Dr. Ward Albro</td>
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<td>1995</td>
<td>Dr. Charanjit Rai</td>
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<tr>
<td>1996</td>
<td>Dr. David Sabrio</td>
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<tr>
<td>1997</td>
<td>Dr. Nicholas Beller</td>
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<td>1998</td>
<td>Dr. Jacqueline Thomas</td>
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<td>1999</td>
<td>Dr. Daniel J. Suson</td>
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<td>2000</td>
<td>Mr. Clark Magruder</td>
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<td>2001</td>
<td>Dr. Joseph O. Kuti</td>
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<td>2002</td>
<td>Dr. Gary R. Low</td>
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<td>Dr. Mark Walsh</td>
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<td>2005</td>
<td>Dr. Steven D. Lukefahr</td>
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<tr>
<td>2006</td>
<td>Dr. Cathy Downs</td>
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<td>2007</td>
<td>Dr. Nirmal Goswami</td>
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<td>Dr. Brenda Melendy</td>
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<td>Dr. Jim Norwine</td>
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<td>2010</td>
<td>Dr. Duane Gardiner</td>
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<td>2011</td>
<td>Dr. Dean Ferguson</td>
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<td>2012</td>
<td>Dr. Anders Greenspan</td>
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<td>2013</td>
<td>Dr. Stephen Oller</td>
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<td>2014</td>
<td>Dr. Apu Bhattacharya</td>
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<td>2016</td>
<td>Dr. Michelle R. Garcia</td>
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<tr>
<td>2018</td>
<td>Dr. Joachim Reinhuber</td>
</tr>
<tr>
<td>2019</td>
<td>Dr. Steve Bain</td>
</tr>
<tr>
<td></td>
<td>Dr. Michael Tewes</td>
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### Professors Emeriti

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<tr>
<th>Year</th>
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<tr>
<td>1982</td>
<td>Dr. Edwin R. Bogusch</td>
</tr>
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<td>Mr. John E. Conner</td>
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<tr>
<td></td>
<td>Dr. Frank H. Dotterweich</td>
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<td>Dr. John W. Howe</td>
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<td>Dr. J.R. Manning</td>
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<td>Dr. George W. McCulley</td>
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<td></td>
<td>Dr. Robert D. Rhode</td>
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<td></td>
<td>Dr. Ralph C. Russell</td>
</tr>
<tr>
<td></td>
<td>Mr. Emerson Korges</td>
</tr>
<tr>
<td>1984</td>
<td>Dr. Robert D. Perry</td>
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<tr>
<td></td>
<td>Dr. John C. Rayburn</td>
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<td></td>
<td>Dr. John W. Glock</td>
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<td></td>
<td>Mr. Ben J. South</td>
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<td></td>
<td>Mr. Alfred E. Tellinghuisen</td>
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<tr>
<td>1986</td>
<td>Dr. James C. Jernigan</td>
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<td></td>
<td>Dr. Hildegar Schmalenbeck</td>
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<td>Dr. May Campbell</td>
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<td>1987</td>
<td>Dr. Dennis B. Ford</td>
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<tr>
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<td>Dr. D. Jack Stinebaugh</td>
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<td></td>
<td>Mr. Mark Stupp</td>
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<td>1988</td>
<td>Dr. George A. Cook</td>
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<td>Mr. S. Burgin Dunn</td>
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<td>1990</td>
<td>Mr. C. Van Mooney</td>
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<td>Dr. Allan H. Chaney</td>
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<td>2000</td>
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<td>Dr. Charles DeYoung</td>
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<td>Dr. Donald A. Hegwood</td>
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<td>Dr. Robert O. Kirby</td>
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<td>Dr. Leslie Hunter</td>
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<td>Dr. Maria Morales</td>
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<tr>
<td>2011</td>
<td>Dr. Allen Ketcham</td>
</tr>
<tr>
<td>2012</td>
<td>Dr. David Cecil</td>
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</table>
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 - Vision - Core Values

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
GENERAL INFORMATION

Purpose of the Catalog
This catalog is the official bulletin of Texas A&M University-Kingsville for the 2019-2020 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.

The courses of instruction announced herein are those that are available for offering during the sessions of 2019-2020. 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:

1. campus security policies and procedures, security services available, campus crime statistics and alcohol and drug use policies;
2. completion or graduation rate of full-time certification-seeking or degree-seeking undergraduate students; and
3. 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)
# Academic Calendar

**Academic Year 2019-2020**

*Dates and Times Subject to Change*

*(Academic Calendar Webpage [http://www.tamuk.edu/academics/academic-calendar]*)

## Fall 2019 Semester - 16 Weeks (August 21 - December 12)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 1, 2019</td>
<td>8 a.m.</td>
<td>Priority Registration begins - Summer 2019 &amp; Fall 2019</td>
</tr>
<tr>
<td>Aug. 5</td>
<td></td>
<td>Late Registration begins ($35 late fee will be assessed to students registering late).</td>
</tr>
<tr>
<td>Aug. 16</td>
<td>8 a.m.</td>
<td>Enforced Withdrawal or Academic Suspension - students who have not obtained permission to continue studies will be dropped from all courses.</td>
</tr>
<tr>
<td>Aug. 20</td>
<td></td>
<td>Students enter into a payment plan or pay tuition/fees may re-register for classes using JNet. Will be assessed a Late Payment Fee ($35) and a Late Registration Fee ($35). Class availability is not guaranteed.</td>
</tr>
<tr>
<td>Aug. 21</td>
<td></td>
<td>First Class Day</td>
</tr>
<tr>
<td>Aug. 24</td>
<td></td>
<td>First Class Day for all Saturday students</td>
</tr>
<tr>
<td>Aug. 27</td>
<td>5 p.m.</td>
<td>5th Class Day (drops for non-payment &amp; lab safety non-compliance). Percentage of tuition &amp; fees will be owed.</td>
</tr>
<tr>
<td>Aug. 27</td>
<td></td>
<td>1st drop for students who have not completed lab safety training.</td>
</tr>
<tr>
<td>Aug. 27-Sept. 6</td>
<td></td>
<td>5th class day to 12th class day, students may fill out an add/drop form with the Registrar’s Office to be reinstated in classes.</td>
</tr>
<tr>
<td>Aug. 28</td>
<td></td>
<td>Reinstatement request ($100 fee)</td>
</tr>
<tr>
<td>Aug. 28</td>
<td></td>
<td>Permission to register or change classes is required from adviser and professor.</td>
</tr>
<tr>
<td>Sept. 6</td>
<td>5 p.m.</td>
<td>12th Class Day - Census Date. No registration beyond this date. (Drops processed for non-payment &amp; lab safety non-compliance - no reinstatements)</td>
</tr>
<tr>
<td>Sept. 9</td>
<td>8 a.m.</td>
<td>Students who did not pay in full or make payment arrangements will be dropped from all classes. Percentage of tuition &amp; fees will be owed. (13th Class Day Drop)</td>
</tr>
<tr>
<td>Sept. 18</td>
<td></td>
<td>20th Class Day</td>
</tr>
<tr>
<td>Sept. 18</td>
<td>5 p.m.</td>
<td>Non-Funded Late Registration deadline to submit form</td>
</tr>
<tr>
<td>Oct. 16</td>
<td></td>
<td>Mid Semester Point</td>
</tr>
<tr>
<td>Oct. 21</td>
<td>8 a.m.</td>
<td>Registration Begins - Winter 2019 Intersession</td>
</tr>
<tr>
<td>Oct. 21</td>
<td></td>
<td>Priority Registration begins for Spring 2020</td>
</tr>
<tr>
<td>Oct. 21</td>
<td>8 a.m.</td>
<td>Priority One Group (includes doctoral and graduate students)</td>
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<td>Post Baccalaureate &amp; Seniors (90-120+ earned hrs)</td>
</tr>
<tr>
<td>Oct. 23</td>
<td>8 a.m.</td>
<td>Juniors (60-89 earned hrs)</td>
</tr>
<tr>
<td>Oct. 24</td>
<td>8 a.m.</td>
<td>Sophomores (30-59 earned hrs)</td>
</tr>
<tr>
<td>Oct. 25</td>
<td>8 a.m.</td>
<td>Registration opens for all students</td>
</tr>
<tr>
<td>Oct. 23</td>
<td>8 a.m.</td>
<td>Title IV 60% of Semester</td>
</tr>
<tr>
<td>Oct. 24</td>
<td>5 p.m.</td>
<td>Last day to drop a course or withdraw from current semester</td>
</tr>
<tr>
<td>Dec. 4</td>
<td></td>
<td>Last Class Day</td>
</tr>
<tr>
<td>Dec. 5</td>
<td></td>
<td>Study Day (no classes)</td>
</tr>
<tr>
<td>Dec. 6-12</td>
<td></td>
<td>Final Examinations</td>
</tr>
<tr>
<td>Dec. 13</td>
<td></td>
<td>TBA Commencement</td>
</tr>
</tbody>
</table>

## Financial Aid Important Dates

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<td>11:59 p.m.</td>
<td>Financial aid begins posting to student accounts.</td>
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<tr>
<td>Aug. 14</td>
<td>1 p.m.</td>
<td>Deadline for Office of Financial Aid to run Satisfactory Academic Progress (SAP)</td>
</tr>
<tr>
<td>Nov. 1</td>
<td>5 p.m.</td>
<td>Verification deadline to receive financial aid consideration for Fall term</td>
</tr>
<tr>
<td>Nov. 28</td>
<td>5 p.m.</td>
<td>Last day to submit Fall Financial Aid Revision Request</td>
</tr>
</tbody>
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<td></td>
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</tr>
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<td>Aug. 15</td>
<td>11:59 p.m.</td>
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</tr>
<tr>
<td>Aug. 15</td>
<td></td>
<td>Employee Tuition Assistance Scholarship Deadline</td>
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<tr>
<td>Aug. 16</td>
<td></td>
<td>Late Payment fees ($35) are assessed</td>
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<td>Students who have not signed up for a payment plan or paid in full are dropped for nonpayment. (Prior to First Class Day)</td>
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<td>Sept. 9</td>
<td></td>
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</tr>
<tr>
<td>Sept. 10</td>
<td></td>
<td>Three-peat charges added to student account</td>
</tr>
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<tr>
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<td></td>
<td>Blue &amp; Gold online application opens for December commencement</td>
</tr>
<tr>
<td>Aug. 30</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application closes for December commencement</td>
</tr>
<tr>
<td>Sept. 13</td>
<td></td>
<td>Final Deadline for Colleges to Approve December graduation applications.</td>
</tr>
<tr>
<td>Sept. 19</td>
<td></td>
<td>Change of Name Deadline request to Office of Registrar</td>
</tr>
<tr>
<td>Sept. 20</td>
<td></td>
<td>College will submit Approved List of Candidates to Provost &amp; VPAA</td>
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<td>Commencement</td>
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<td>Sept. 2</td>
<td></td>
<td>Labor Day Holiday</td>
</tr>
<tr>
<td>Nov. 28-29</td>
<td></td>
<td>Thanksgiving Holiday</td>
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### Housing and Meal Plans

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<td>Aug. 19</td>
<td>9 a.m.</td>
<td>Residence Halls open</td>
</tr>
<tr>
<td>Aug. 28</td>
<td></td>
<td>Meal Plan Payment Deadline</td>
</tr>
<tr>
<td>Nov. 27</td>
<td>6 p.m.</td>
<td>Residence Halls close for Thanksgiving Holiday</td>
</tr>
<tr>
<td>Dec. 1</td>
<td>2 p.m.</td>
<td>Residence Halls re-open after Thanksgiving Holiday</td>
</tr>
<tr>
<td>Dec. 13</td>
<td>6 p.m.</td>
<td>Residence Halls close</td>
</tr>
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</table>

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<th>Date</th>
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<tbody>
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<td>Aug. 19</td>
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<td>College Meetings</td>
</tr>
<tr>
<td>Aug. 20</td>
<td></td>
<td>Departmental Meetings</td>
</tr>
<tr>
<td>Oct. 21</td>
<td>Noon</td>
<td>Mid Semester grades due via Blue &amp; Gold Connection (all levels)</td>
</tr>
<tr>
<td>Oct. 24</td>
<td>5 p.m.</td>
<td>Last day for faculty to drop students for non-attendance</td>
</tr>
<tr>
<td>Dec. 16</td>
<td>Noon</td>
<td>Final Grades due via Blue &amp; Gold Connection &amp; &quot;I&quot; Contracts due (Registrar’s Office)</td>
</tr>
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### Fall 2019 Semester - 1st 8 Weeks (August 21 - October 14)

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<tr>
<th>Date</th>
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<tbody>
<tr>
<td>Apr. 1, 2019</td>
<td>8 a.m.</td>
<td>Priority Registration begins - Summer 2019 &amp; Fall 2019</td>
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<td>Aug. 5</td>
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<td>Late Registration begins ($35 late fee will be assessed to students registering late)</td>
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<tr>
<td>Aug. 21</td>
<td></td>
<td>First Class Day</td>
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<tr>
<td>Aug. 21</td>
<td></td>
<td>Permission to register or change classes is required from adviser and professor.</td>
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<tr>
<td>Aug. 28</td>
<td>5 p.m.</td>
<td>6th Class Day - Census Date. No registration beyond this date. (Drops processed for non-payment &amp; lab safety non-compliance - no reinstatements)</td>
</tr>
<tr>
<td>Aug. 29</td>
<td>8 a.m.</td>
<td>Students who did not pay in full or make payment arrangements will be dropped from all classes. Tuition &amp; fees will be owed. (7th Class Day Drop)</td>
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<tr>
<td>Aug. 30</td>
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<td>Title IV 60% of Semester</td>
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<tr>
<td>Sept. 23</td>
<td>5 p.m.</td>
<td>Last day to drop a course or withdraw from current semester</td>
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</tbody>
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Oct. 11  |  Last Class Day
Oct. 14  |  Final Examinations
Oct. 21  |  7 a.m. Registration Begins - Winter 2019 Intersession
       |  Priority Registration begins for Spring 2020
Oct. 21  |  8 a.m. Priority One Group (includes doctoral and graduate students)
Oct. 22  |  8 a.m. Post Baccalaureate & Seniors (90-120+ earned hrs)
Oct. 23  |  8 a.m. Juniors (60-89 earned hrs)
Oct. 24  |  8 a.m. Sophomores (30-59 earned hrs)
Oct. 25  |  8 a.m. Registration opens for all students
Dec. 13  |  TBA Commencement

Financial Aid Important Dates

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Payment Information (Business Office)

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<td>Employee Tuition Assistance Scholarship Deadline</td>
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December 2019 Graduate Deadlines

<table>
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<tbody>
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<td>Final Deadline for Colleges to Approve December graduation applications.</td>
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<td>Sept. 19</td>
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</tr>
<tr>
<td>Sept. 20</td>
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<td>Colleges will submit Approved List of Candidates to Provost &amp; VPAA</td>
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Holidays and Breaks

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Housing and Meal Plans

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</tr>
<tr>
<td>------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------</td>
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<td>Final Grades due via Blue &amp; Gold Connection &amp; &quot;I&quot; Contracts due (Registrar's Office)</td>
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**Fall 2019 Semester - 2nd 8 Weeks (October 17 - December 11)**

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**Payment information (business office)**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 1</td>
<td></td>
<td>Tuition Payment Plans open for enrollment</td>
</tr>
<tr>
<td>Aug. 15</td>
<td></td>
<td>Employee Tuition Assistance Scholarship Deadline</td>
</tr>
<tr>
<td>Oct. 24</td>
<td>11:59 p.m.</td>
<td>Payment Deadline</td>
</tr>
<tr>
<td>Oct. 24</td>
<td>8 a.m.</td>
<td>Students who have not signed up for a payment plan or paid in full are dropped for nonpayment. (Prior to First Class Day)</td>
</tr>
<tr>
<td>Oct. 25</td>
<td></td>
<td>Late Payment fees ($35) are assessed.</td>
</tr>
<tr>
<td>Oct. 25</td>
<td></td>
<td>Three-peat charges added to student account</td>
</tr>
</tbody>
</table>

**December 2019 Graduation deadlines**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 1</td>
<td></td>
<td>Blue &amp; Gold online application opens for December commencement</td>
</tr>
<tr>
<td>Aug. 30</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application closes for December commencement</td>
</tr>
<tr>
<td>Sept. 13</td>
<td></td>
<td>Final Deadline for Colleges to Approve December graduation applications.</td>
</tr>
<tr>
<td>Sept. 19</td>
<td></td>
<td>Change of Name Deadline request to Office of the Registrar</td>
</tr>
<tr>
<td>Sept. 20</td>
<td></td>
<td>Colleges will submit Approved List of Candidates to Provost &amp; VPAA</td>
</tr>
<tr>
<td>Dec. 13</td>
<td>TBA</td>
<td>Commencement</td>
</tr>
</tbody>
</table>
## Holidays and Breaks

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept. 2</td>
<td></td>
<td>Labor Day</td>
</tr>
<tr>
<td>Nov. 28-29</td>
<td></td>
<td>Thanksgiving Holiday</td>
</tr>
</tbody>
</table>

## Housing and Meal Plans

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 19</td>
<td>9 a.m.</td>
<td>Residence Halls open</td>
</tr>
<tr>
<td>Aug. 28</td>
<td></td>
<td>Meal Plan Payment Deadline</td>
</tr>
<tr>
<td>Nov. 27</td>
<td>6 p.m.</td>
<td>Residence Halls close for Thanksgiving Holiday</td>
</tr>
<tr>
<td>Dec. 1</td>
<td>2 p.m.</td>
<td>Residence Halls re-open after Thanksgiving Holiday</td>
</tr>
<tr>
<td>Dec. 13</td>
<td>6 p.m.</td>
<td>Residence Halls close</td>
</tr>
</tbody>
</table>

## Faculty-Related Information

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 19</td>
<td></td>
<td>College Meetings</td>
</tr>
<tr>
<td>Aug. 20</td>
<td></td>
<td>Departmental Meetings</td>
</tr>
<tr>
<td>Nov. 15</td>
<td>Noon</td>
<td>Mid Semester grades due via Blue &amp; Gold Connection (all levels)</td>
</tr>
<tr>
<td>Nov. 19</td>
<td>5 p.m.</td>
<td>Last day for faculty to drop students for non-attendance</td>
</tr>
<tr>
<td>Dec. 16</td>
<td>Noon</td>
<td>Final Grades due via Blue &amp; Gold Connection &amp; &quot;I&quot; Contracts due (Registrar’s Office)</td>
</tr>
</tbody>
</table>

## Spring 2020 Semester - 16 Weeks (January 16 - May 14)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct. 21, 2019</td>
<td>8 a.m.</td>
<td>Priority Registration begins - Spring 2020</td>
</tr>
<tr>
<td>Jan. 2</td>
<td></td>
<td>First day back from winter break for staff. Fee bills and student payment plans are available.</td>
</tr>
<tr>
<td>Jan. 3</td>
<td></td>
<td>Late Registration begins ($35 late fee will be assessed to students registering late).</td>
</tr>
<tr>
<td>Jan. 6</td>
<td></td>
<td>Enforced Withdrawal or Academic Suspension - students who have not obtained permission to continue studies will be dropped from all courses.</td>
</tr>
<tr>
<td>Jan. 15</td>
<td></td>
<td>Students enter into a payment plan or pay tuition/fees may re-register for classes using JNet. Will be assessed a Late Payment Fee ($35) and a Late Registration Fee ($35). Class availability is not guaranteed.</td>
</tr>
<tr>
<td>Jan. 16</td>
<td></td>
<td>First Class Day</td>
</tr>
<tr>
<td>Jan. 23</td>
<td></td>
<td>5th Class Day (drops for non-payment). Percentage of tuition &amp; fees will be owed.</td>
</tr>
<tr>
<td>Jan. 23</td>
<td></td>
<td>1st drop for students who have not completed lab safety training.</td>
</tr>
<tr>
<td>Jan. 24-Feb. 3</td>
<td>6 p.m.</td>
<td>6th class day to 12th class day, students may fill out an add/drop form with the Registrar’s Office to be reinstated in classes.</td>
</tr>
<tr>
<td>Jan. 18</td>
<td></td>
<td>First Class Day of all Saturday students</td>
</tr>
<tr>
<td>Jan. 24</td>
<td></td>
<td>Reinstatement requests ($100 fee)</td>
</tr>
<tr>
<td>Jan. 24-Feb. 3</td>
<td>5 p.m.</td>
<td>Permission to register or change classes is required from adviser and professor.</td>
</tr>
<tr>
<td>Feb. 3</td>
<td>5 p.m.</td>
<td>12th Class Day - Census Date. No registration beyond this date. (Drops processed for non-payment &amp; lab safety non-compliance - no reinstatements)</td>
</tr>
<tr>
<td>Feb. 4</td>
<td>8 a.m.</td>
<td>Students who did not pay in full or make payment arrangements will be dropped from all classes. Percentage of tuition &amp; fees will be owed. (13th Class Day Drop)</td>
</tr>
<tr>
<td>Feb. 13</td>
<td></td>
<td>20th Class Day</td>
</tr>
<tr>
<td>Feb. 13</td>
<td></td>
<td>Non-Funded Late Registration deadline to submit form</td>
</tr>
<tr>
<td>Mar. 15</td>
<td></td>
<td>Mid Semester Point</td>
</tr>
<tr>
<td>Mar. 25</td>
<td>5 p.m.</td>
<td>Title IV 60% of Semester</td>
</tr>
<tr>
<td>Mar. 26</td>
<td></td>
<td>Last day to drop a course or withdraw from current semester</td>
</tr>
<tr>
<td>Mar. 30</td>
<td>8 a.m.</td>
<td>Priority Registration begins for Summer 2020 &amp; Fall 2020</td>
</tr>
<tr>
<td>Mar. 31</td>
<td>8 a.m.</td>
<td>Priority One Group (includes doctoral and graduate students)</td>
</tr>
<tr>
<td>Apr. 1</td>
<td>8 a.m.</td>
<td>Post Baccalaureate &amp; Seniors (90-120+ earned hrs)</td>
</tr>
<tr>
<td>Apr. 2</td>
<td>8 a.m.</td>
<td>Juniors (60-89 earned hrs)</td>
</tr>
<tr>
<td>Apr. 3</td>
<td>8 a.m.</td>
<td>Sophomores (30-59 earned hrs)</td>
</tr>
<tr>
<td>May 6</td>
<td></td>
<td>Registration opens for all students</td>
</tr>
<tr>
<td>Mar. 30</td>
<td>8 a.m.</td>
<td>Priority One Group (includes doctoral and graduate students)</td>
</tr>
<tr>
<td>Date</td>
<td>Time</td>
<td>Event</td>
</tr>
<tr>
<td>------------</td>
<td>--------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>May 7</td>
<td></td>
<td>Study Day (no class)</td>
</tr>
<tr>
<td>May 8-14</td>
<td></td>
<td>Final Examinations</td>
</tr>
<tr>
<td>May 15</td>
<td>TBA</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

**Financial Aid important dates**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 6</td>
<td></td>
<td>Deadline for Office of Financial Aid to run Satisfactory Academic Progress (SAP)</td>
</tr>
<tr>
<td>Jan. 9</td>
<td></td>
<td>Financial aid begins posting to student accounts.</td>
</tr>
<tr>
<td>Apr. 1</td>
<td>5 p.m.</td>
<td>Verification deadline to receive financial aid consideration for Spring term</td>
</tr>
<tr>
<td>Apr. 30</td>
<td>5 p.m.</td>
<td>Deadline to submit Spring Financial Aid Revision Request</td>
</tr>
</tbody>
</table>

**Payment information/deadlines (business Office)**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 2</td>
<td></td>
<td>Tuition Payment Plans open for enrollment</td>
</tr>
<tr>
<td>Jan. 9</td>
<td></td>
<td>Employee Tuition Assistance Scholarship Deadline</td>
</tr>
<tr>
<td>Jan. 10</td>
<td>11:59 p.m.</td>
<td>Payment Deadline</td>
</tr>
<tr>
<td>Jan. 13</td>
<td></td>
<td>Late Payment fees ($35) are assessed.</td>
</tr>
<tr>
<td>Jan. 14</td>
<td></td>
<td>Students who have not signed up for a payment plan or paid in full are dropped for nonpayment (Prior to first class day).</td>
</tr>
<tr>
<td>Feb. 3</td>
<td></td>
<td>Last day to pay in full or make payment arrangements</td>
</tr>
<tr>
<td>Feb. 4</td>
<td></td>
<td>Three-peat charges added to student account</td>
</tr>
</tbody>
</table>

**May 2020 Graduation deadlines**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct. 1, 2019</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application opens for May commencement</td>
</tr>
<tr>
<td>Jan. 10, 2020</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application opens for May commencement</td>
</tr>
<tr>
<td>Feb. 7</td>
<td>5 p.m.</td>
<td>Final Deadline for College to Approve May graduation applications.</td>
</tr>
<tr>
<td>Feb. 13</td>
<td>5 p.m.</td>
<td>Change of Name Deadline request to Office of the Registrar</td>
</tr>
<tr>
<td>Feb. 14</td>
<td>5 p.m.</td>
<td>Colleges will submit Approved List of Candidates to Provost &amp; VPAA</td>
</tr>
<tr>
<td>May 15</td>
<td>TBA</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

**Holidays and breaks**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 20</td>
<td></td>
<td>Martin Luther King, Jr. Day</td>
</tr>
<tr>
<td>Mar. 9-13</td>
<td></td>
<td>Spring Break</td>
</tr>
<tr>
<td>Apr. 10</td>
<td></td>
<td>Good Friday (no classes held)</td>
</tr>
</tbody>
</table>

**Housing and Meal Plans**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 14</td>
<td>9 a.m.</td>
<td>Residence Halls open</td>
</tr>
<tr>
<td>Jan. 23</td>
<td>6 p.m.</td>
<td>Meal Plan Payment Deadline</td>
</tr>
<tr>
<td>Mar. 6</td>
<td>6 p.m.</td>
<td>Residence Halls close for Spring Break</td>
</tr>
<tr>
<td>Mar. 15</td>
<td>2 p.m.</td>
<td>Residence Halls re-open after Spring Break</td>
</tr>
<tr>
<td>May 15</td>
<td>6 p.m.</td>
<td>Residence Halls close</td>
</tr>
</tbody>
</table>

**Faculty-related information**

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Jan. 13</td>
<td></td>
<td>College Meetings</td>
</tr>
<tr>
<td>Jan. 14</td>
<td></td>
<td>Departmental Meetings</td>
</tr>
<tr>
<td>Mar. 18</td>
<td>Noon</td>
<td>Mid Semester grades due via Blue &amp; Gold Connection (all levels)</td>
</tr>
<tr>
<td>Mar. 26</td>
<td></td>
<td>Last day for faculty to drop students for non-attendance</td>
</tr>
<tr>
<td>May 18</td>
<td>Noon</td>
<td>Final Grades due via Blue &amp; Gold Connection &amp; &quot;I&quot; Contracts due (Registrar's Office)</td>
</tr>
</tbody>
</table>
### Spring 2020 Semester - 1st 8 Weeks (January 16 - March 19)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct. 21, 2019</td>
<td>8 a.m.</td>
<td>Priority Registration begins - Spring 2020</td>
</tr>
<tr>
<td>Jan. 3</td>
<td></td>
<td>Late Registration begins ($35 late fee will be assessed to students registering late).</td>
</tr>
<tr>
<td>Jan. 16</td>
<td></td>
<td>First Class Day</td>
</tr>
<tr>
<td>Jan. 16-23</td>
<td></td>
<td>Permission to register or change classes is required from adviser and professor.</td>
</tr>
<tr>
<td>Jan. 24</td>
<td>5 p.m.</td>
<td>6th Class Day - Census Date. No registration beyond this date. (Drops processed for non-payment &amp; lab safety non-compliance - no reinstatements)</td>
</tr>
<tr>
<td>Jan. 27</td>
<td>8 a.m.</td>
<td>Students who did not pay in full or make payment arrangements will be dropped from all classes. Tuition &amp; fees will be owed. (7th Class Day Drop)</td>
</tr>
<tr>
<td>Jan. 29</td>
<td>5 p.m.</td>
<td>Non-Funded Late Registration deadline to submit form</td>
</tr>
<tr>
<td>Feb. 16</td>
<td></td>
<td>Mid Semester Point</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Priority Registration begins for Summer 2020 &amp; Fall 2020</td>
</tr>
<tr>
<td>Mar. 30</td>
<td>8 a.m.</td>
<td>Priority One Group (includes doctoral and graduate students)</td>
</tr>
<tr>
<td>Mar. 31</td>
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<td>Post Baccalaureate &amp; Senior (90-120+ earned hrs)</td>
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<td>Juniors (60-89 earned hrs)</td>
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<tr>
<td>Apr. 3</td>
<td>8 a.m.</td>
<td>Registration opens for all students</td>
</tr>
<tr>
<td>Feb. 17</td>
<td></td>
<td>Title IV 60% of Semester</td>
</tr>
<tr>
<td>Feb. 18</td>
<td>5 p.m.</td>
<td>Last day to drop a course or withdraw from current semester</td>
</tr>
<tr>
<td>Mar. 18</td>
<td></td>
<td>Last Class Day</td>
</tr>
<tr>
<td>Mar. 19</td>
<td></td>
<td>Final Examinations</td>
</tr>
<tr>
<td>May 15</td>
<td>TBA</td>
<td>Commencement</td>
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### Financial Aid important dates

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<tbody>
<tr>
<td>Jan. 6</td>
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<td>Deadline for Office of Financial Aid to run Satisfactory Academic Progress (SAP)</td>
</tr>
<tr>
<td>Jan. 9</td>
<td></td>
<td>Financial aid begins posting to student accounts.</td>
</tr>
<tr>
<td>Apr. 1</td>
<td>5 p.m.</td>
<td>Verification deadline to receive financial aid consideration for Spring term</td>
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<td>Deadline to submit Spring Financial Aid Revision Request</td>
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<tbody>
<tr>
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<td>Tuition Payment Plans open for enrollment</td>
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<td>Employee Tuition Assistance Scholarship Deadline</td>
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<td>Jan. 10</td>
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<td>Payment Deadline</td>
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<td>Jan. 13</td>
<td></td>
<td>Late Payment fees ($35) are assessed.</td>
</tr>
<tr>
<td>Jan. 14</td>
<td>5 p.m.</td>
<td>Student who have not signed up for a payment plan or paid in full are dropped for nonpayment. (Prior to First Class Day)</td>
</tr>
<tr>
<td>Feb. 4</td>
<td></td>
<td>Three-peat charges added to student account</td>
</tr>
</tbody>
</table>

### May 2020 Graduation deadlines

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct. 1, 2019</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application opens for May commencement</td>
</tr>
<tr>
<td>Jan. 10, 2020</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application closes for May commencement</td>
</tr>
<tr>
<td>Feb. 7</td>
<td>5 p.m.</td>
<td>Final Deadline for College to Approve May graduate applications.</td>
</tr>
<tr>
<td>Feb. 13</td>
<td>5 p.m.</td>
<td>Change of Name Deadline request to Office of Registrar</td>
</tr>
<tr>
<td>Feb. 14</td>
<td>5 p.m.</td>
<td>College will submit Approved List of Candidates to Provost &amp; VPAA</td>
</tr>
<tr>
<td>May 15</td>
<td>TBA</td>
<td>Commencement</td>
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</table>
### Holidays and breaks

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<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 20</td>
<td></td>
<td>Martin Luther King, Jr. Day</td>
</tr>
<tr>
<td>Mar. 9-13</td>
<td></td>
<td>Spring Break</td>
</tr>
<tr>
<td>Apr. 10</td>
<td></td>
<td>Good Friday</td>
</tr>
</tbody>
</table>

### Housing and Meal plans

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 14</td>
<td>9 a.m.</td>
<td>Residence Halls open</td>
</tr>
<tr>
<td>Jan. 23</td>
<td></td>
<td>Meal Plan Payment Deadline</td>
</tr>
<tr>
<td>Mar. 6</td>
<td>6 p.m.</td>
<td>Residence Halls close for Spring Break</td>
</tr>
<tr>
<td>Mar. 15</td>
<td>2 p.m.</td>
<td>Residence Halls re-open after Spring Break</td>
</tr>
<tr>
<td>May 15</td>
<td>6 p.m.</td>
<td>Residence Halls close</td>
</tr>
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</table>

### Faculty-Related information

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<tr>
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<th>Time</th>
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</tr>
</thead>
<tbody>
<tr>
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<td>College Meetings</td>
</tr>
<tr>
<td>Jan. 14</td>
<td></td>
<td>Departmental Meetings</td>
</tr>
<tr>
<td>Feb. 19</td>
<td>Noon</td>
<td>Mid Semester grades due via Blue &amp; Gold Connection (all levels)</td>
</tr>
<tr>
<td>Feb. 18</td>
<td>5 p.m.</td>
<td>Last day for faculty to drop students for non-attendance</td>
</tr>
<tr>
<td>Mar. 23</td>
<td>Noon</td>
<td>Final Grades due via Blue &amp; Gold Connection &amp; &quot;I&quot; Contracts due (Registrar’s Office)</td>
</tr>
</tbody>
</table>

### Spring 2020 Semester - 2nd 8 Weeks (March 20 - May 14)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct. 21, 2109</td>
<td>8 a.m.</td>
<td>Priority Registration begins - Spring 2020</td>
</tr>
<tr>
<td>Jan. 3</td>
<td></td>
<td>Late Registration begins ($35 late fee will be assessed to students registering late).</td>
</tr>
<tr>
<td>Mar. 20</td>
<td></td>
<td>First Class Day</td>
</tr>
<tr>
<td>Mar. 20-27</td>
<td>5 p.m.</td>
<td>Permission to register or change classes is required from adviser and professor.</td>
</tr>
<tr>
<td>Mar. 27</td>
<td>5 p.m.</td>
<td>6th Class Day - Census Date. No registration beyond this date. (Drops processed for non-payment &amp; lab safety non-compliance - no reinstatements)</td>
</tr>
<tr>
<td>Mar. 30</td>
<td>8 a.m.</td>
<td>Students who did not pay in full or make payment arrangements will be dropped from all classes. Tuition &amp; fees will be owed. (7th Class Day Drop)</td>
</tr>
<tr>
<td>Apr. 2</td>
<td>5 p.m.</td>
<td>Non-Funded Late Registration deadline to submit form</td>
</tr>
<tr>
<td>Mar. 30</td>
<td>8 a.m.</td>
<td>Priority One Group (includes doctoral and graduate students)</td>
</tr>
<tr>
<td>Mar. 31</td>
<td>8 a.m.</td>
<td>Post Baccalaureate &amp; Seniors (90-120+ earned hrs)</td>
</tr>
<tr>
<td>Apr. 1</td>
<td>8 a.m.</td>
<td>Juniors (60-89 earned hrs)</td>
</tr>
<tr>
<td>Apr. 2</td>
<td>8 a.m.</td>
<td>Sophomores (30-59 earned hrs)</td>
</tr>
<tr>
<td>Apr. 3</td>
<td>8 a.m.</td>
<td>Registration opens for all students</td>
</tr>
<tr>
<td>Apr. 14</td>
<td></td>
<td>Mid Semester Point</td>
</tr>
<tr>
<td>Apr. 21</td>
<td></td>
<td>Title IV 60% of Semester</td>
</tr>
<tr>
<td>Apr. 22</td>
<td>5 p.m.</td>
<td>Last day to drop a course or withdraw from current semester</td>
</tr>
<tr>
<td>May 13</td>
<td></td>
<td>Last Class Day</td>
</tr>
<tr>
<td>May 14</td>
<td></td>
<td>Final Examinations</td>
</tr>
<tr>
<td>May 15</td>
<td>TBA</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

### Financial aid important dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 6</td>
<td></td>
<td>Deadline for Office of Financial Aid to run Satisfactory Academic Progress (SAP)</td>
</tr>
<tr>
<td>Jan. 9</td>
<td></td>
<td>Financial aid begins posting to student accounts.</td>
</tr>
<tr>
<td>Apr. 1</td>
<td>5 p.m.</td>
<td>Verification deadline to receive financial aid consideration for Spring term</td>
</tr>
<tr>
<td>Apr. 30</td>
<td>5 p.m.</td>
<td>Deadline to submit Spring Financial Aid Revision Request</td>
</tr>
</tbody>
</table>
### Payment information (Business Office)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 9</td>
<td></td>
<td>Employee Tuition Assistance Scholarship Deadline</td>
</tr>
<tr>
<td>Mar. 27</td>
<td>4 p.m.</td>
<td>Payment Deadline</td>
</tr>
<tr>
<td>Mar. 27</td>
<td></td>
<td>Last day to pay in full or make payment arrangements</td>
</tr>
<tr>
<td>Mar. 30</td>
<td></td>
<td>Late Payment fees ($35) are assessed.</td>
</tr>
<tr>
<td>Mar. 30</td>
<td></td>
<td>Three-peat charges added to student account</td>
</tr>
</tbody>
</table>

### May 2020 Graduation deadlines

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct. 1, 2019</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application opens for May commencement</td>
</tr>
<tr>
<td>Jan. 10, 2020</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application closes for May commencement</td>
</tr>
<tr>
<td>Feb. 7</td>
<td>5 p.m.</td>
<td>Final Deadline for College to Approve May graduation applications.</td>
</tr>
<tr>
<td>Feb. 13</td>
<td>5 p.m.</td>
<td>Change of Name Deadline request to Office of Registrar</td>
</tr>
<tr>
<td>Feb. 14</td>
<td>5 p.m.</td>
<td>Colleges will submit Approved List of Candidates to Provost &amp; VPAA</td>
</tr>
<tr>
<td>May 15</td>
<td>TBA</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

### Holidays and Breaks

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 10</td>
<td></td>
<td>Good Friday</td>
</tr>
</tbody>
</table>

### Housing and meal plans

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 14</td>
<td>9 a.m.</td>
<td>Residence Halls open</td>
</tr>
<tr>
<td>Jan. 23</td>
<td></td>
<td>Meal Plan Payment Deadline</td>
</tr>
<tr>
<td>Mar. 6</td>
<td>6 p.m.</td>
<td>Residence Halls close for Spring Break</td>
</tr>
<tr>
<td>Mar. 15</td>
<td>2 p.m.</td>
<td>Residence Halls re-open after Spring Break</td>
</tr>
<tr>
<td>May 15</td>
<td>6 p.m.</td>
<td>Residence Halls close</td>
</tr>
</tbody>
</table>

### Faculty-related information

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 13</td>
<td></td>
<td>College Meetings</td>
</tr>
<tr>
<td>Jan. 14</td>
<td>Noon</td>
<td>Departmental Meetings</td>
</tr>
<tr>
<td>Apr. 17</td>
<td>Noon</td>
<td>Mid Semester grades due via Blue &amp; Gold Connection (all levels)</td>
</tr>
<tr>
<td>Apr. 22</td>
<td>5 p.m.</td>
<td>Last day for faculty to drop students for non-attendance</td>
</tr>
<tr>
<td>May 18</td>
<td>Noon</td>
<td>Final Grades due via Blue &amp; Gold Connection &amp; &quot;I&quot; Contracts due (Registrar’s Office)</td>
</tr>
</tbody>
</table>

### Summer 2020 Semester - 1st 5 Weeks (May 29 - July 2)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 1</td>
<td>8 a.m.</td>
<td>Priority Registration begins - Summer 2020</td>
</tr>
<tr>
<td>May 18</td>
<td></td>
<td>Late Registration begins ($35 late fee will be assessed to students registering late).</td>
</tr>
<tr>
<td>May 29</td>
<td></td>
<td>First Class Day</td>
</tr>
<tr>
<td>May 29</td>
<td></td>
<td>Permission to register or change classes is required from adviser &amp; professor</td>
</tr>
<tr>
<td>June 3</td>
<td>5 p.m.</td>
<td>4th Class day - Census Date. No registration beyond this date. (Drops processed for non-payment &amp; lab safety non-compliance - no reinstatements)</td>
</tr>
<tr>
<td>June 4</td>
<td>8 a.m.</td>
<td>Students who did not pay in full or make payment arrangement will be dropped from all classes. Tuition &amp; fees will owed.</td>
</tr>
<tr>
<td>June 8</td>
<td>5 p.m.</td>
<td>Non-Funded Late Registration deadline to submit form</td>
</tr>
<tr>
<td>June 15</td>
<td></td>
<td>Mid Semester Point</td>
</tr>
<tr>
<td>June 19</td>
<td></td>
<td>Title IV 60% of Semester</td>
</tr>
<tr>
<td>June 22</td>
<td>5 p.m.</td>
<td>Last day to drop a course or withdraw from current semester</td>
</tr>
<tr>
<td>July 2</td>
<td></td>
<td>Last Class Day</td>
</tr>
<tr>
<td>July 2</td>
<td></td>
<td>Final Examinations</td>
</tr>
<tr>
<td>Aug. 7</td>
<td>TBA</td>
<td>Commencement</td>
</tr>
</tbody>
</table>
### Financial Aid Important Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 21</td>
<td>5:00 p.m.</td>
<td>Deadline for Office of Financial Aid to run Satisfactory Academic Progress (SAP)</td>
</tr>
<tr>
<td>May 22</td>
<td>11:59 p.m.</td>
<td>Financial aid begins posting to student accounts.</td>
</tr>
<tr>
<td>June 1</td>
<td>5 p.m.</td>
<td>Verification deadline to receive financial aid consideration for Summer terms</td>
</tr>
<tr>
<td>June 24</td>
<td>5 p.m.</td>
<td>Last day to submit Summer Financial Aid Revision Request</td>
</tr>
</tbody>
</table>

### Payment Information/Deadlines (Business Office)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 15</td>
<td></td>
<td>Tuition Payment Plans open for enrollment</td>
</tr>
<tr>
<td>May 25</td>
<td>11:59 p.m.</td>
<td>Payment Deadline ($35 fee if paid after)</td>
</tr>
<tr>
<td>May 25</td>
<td>5 p.m.</td>
<td>Employee Tuition Assistance Scholarship deadline</td>
</tr>
<tr>
<td>May 25</td>
<td>5 p.m.</td>
<td>Last day to pay in full or make payment arrangements</td>
</tr>
<tr>
<td>May 26</td>
<td></td>
<td>Payment Late Fee Assessed</td>
</tr>
<tr>
<td>May 27</td>
<td>8 a.m.</td>
<td>Drop for Non-Payment</td>
</tr>
<tr>
<td>June 4</td>
<td></td>
<td>Three-peat charges added to student account</td>
</tr>
</tbody>
</table>

### August 2020 Graduation Deadlines

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb. 3</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application opens for August commencement</td>
</tr>
<tr>
<td>May 29</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application closes for August commencement</td>
</tr>
<tr>
<td>June 5</td>
<td>5 p.m.</td>
<td>Final Deadline for Colleges to Approve August graduation applications</td>
</tr>
<tr>
<td>June 8</td>
<td>5 p.m.</td>
<td>Change of Name Deadline request to Office of the Registrar</td>
</tr>
<tr>
<td>June 9</td>
<td>5 p.m.</td>
<td>College will submit Approved List of Candidates to Provost &amp; VPAA</td>
</tr>
<tr>
<td>Aug. 7</td>
<td>TBA</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

### Housing and Meal Plans

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 28</td>
<td>9 a.m.</td>
<td>Residence Halls open</td>
</tr>
<tr>
<td>June 4</td>
<td></td>
<td>Meal Plan Payment Deadline</td>
</tr>
<tr>
<td>July 2</td>
<td>6 p.m.</td>
<td>Residence Halls close</td>
</tr>
</tbody>
</table>

### Faculty-Related Information

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 17</td>
<td>Noon</td>
<td>Mid Semester grades due via Blue &amp; Gold Connection (all levels)</td>
</tr>
<tr>
<td>June 22</td>
<td>5 p.m.</td>
<td>Last day for faculty to drop students for non-attendance</td>
</tr>
<tr>
<td>July 6</td>
<td>9 a.m.</td>
<td>Final Grades due via Blue &amp; Gold Connection &amp; &quot;I&quot; Contracts due (Registrar’s Office)</td>
</tr>
</tbody>
</table>

### Summer 2020 Semester - 2nd 5 Weeks (July 3 - August 6)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 1</td>
<td>8 a.m.</td>
<td>Priority Registration begins - Summer 2020</td>
</tr>
<tr>
<td>May 18</td>
<td></td>
<td>Late Registration begins ($35 late fee will be assessed to students registering late).</td>
</tr>
<tr>
<td>July 3</td>
<td></td>
<td>First Class Day</td>
</tr>
<tr>
<td>July 3</td>
<td></td>
<td>Permission to register or change classes is required from adviser &amp; professor</td>
</tr>
<tr>
<td>July 8</td>
<td>5 p.m.</td>
<td>4th Class day - Census Date. No registration beyond this date. (Drops processed for non-payment &amp; lab safety non-compliance - no reinstatements)</td>
</tr>
<tr>
<td>July 9</td>
<td></td>
<td>Students who did not pay in full or make payment arrangements will be dropped from all classes. Percentage of tuition &amp; fees will be owed.</td>
</tr>
<tr>
<td>July 13</td>
<td>5 p.m.</td>
<td>Non-Funded Late Registration deadline to submit form</td>
</tr>
<tr>
<td>July 20</td>
<td></td>
<td>Mid Semester Point</td>
</tr>
<tr>
<td>July 24</td>
<td>5 p.m.</td>
<td>Title IV 60% of Semester</td>
</tr>
<tr>
<td>July 27</td>
<td>5 p.m.</td>
<td>Last day to drop a course or withdraw from current semester</td>
</tr>
<tr>
<td>Aug. 6</td>
<td></td>
<td>Last Class Day</td>
</tr>
</tbody>
</table>
Aug. 6 Final Examinations
Aug. 7 TBA Commencement

Financial aid important dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 21</td>
<td>5 p.m.</td>
<td>Deadline for Office of Financial Aid to run Satisfactory Academic Progress (SAP)</td>
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<tr>
<td>May 22</td>
<td>11:59 p.m.</td>
<td>Financial aid begins posting to student accounts</td>
</tr>
<tr>
<td>June 1</td>
<td>5 p.m.</td>
<td>Verification deadline to receive financial aid consideration for Summer terms</td>
</tr>
<tr>
<td>July 17</td>
<td>5 p.m.</td>
<td>Last day to submit Summer Financial Aid Revision Request</td>
</tr>
</tbody>
</table>

Payment information/deadline (business Office)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 19</td>
<td></td>
<td>Tuition Payment Plans open for enrollment</td>
</tr>
<tr>
<td>June 29</td>
<td>11:59 p.m.</td>
<td>Payment Deadline ($35 fee if paid after)</td>
</tr>
<tr>
<td>June 29</td>
<td>5 p.m.</td>
<td>Employee Tuition Assistance Scholarship deadline</td>
</tr>
<tr>
<td>June 29</td>
<td>5 p.m.</td>
<td>Last day to pay in full or make payment arrangements</td>
</tr>
<tr>
<td>June 30</td>
<td></td>
<td>Late Payment Fee Assessed</td>
</tr>
<tr>
<td>July 1</td>
<td>8 a.m.</td>
<td>Drop for Non-payment</td>
</tr>
<tr>
<td>July 9</td>
<td></td>
<td>Three-peat charges added to student account</td>
</tr>
</tbody>
</table>

August 2020 graduation deadlines

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb. 3</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application opens for August commencement</td>
</tr>
<tr>
<td>May 29</td>
<td>5 p.m.</td>
<td>Blue &amp; Gold online application closes for August commencement</td>
</tr>
<tr>
<td>June 5</td>
<td>5 p.m.</td>
<td>Final Deadline for Colleges to Approve August graduation applications</td>
</tr>
<tr>
<td>June 8</td>
<td>5 p.m.</td>
<td>Change of Name Deadline request to Office of the Registrar</td>
</tr>
<tr>
<td>June 9</td>
<td>5 p.m.</td>
<td>Colleges will submit Approved List of Candidates to Provost &amp; VPAA</td>
</tr>
<tr>
<td>Aug. 7</td>
<td>TBA</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

Housing and meal plans

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 2</td>
<td>9 a.m.</td>
<td>Residence Halls open</td>
</tr>
<tr>
<td>July 9</td>
<td></td>
<td>Meal Plan Payment Deadline</td>
</tr>
<tr>
<td>Aug. 7</td>
<td>6 p.m.</td>
<td>Residence Halls close</td>
</tr>
</tbody>
</table>

Faculty-related information

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 22</td>
<td>Noon</td>
<td>Mid Semester grades due via Blue &amp; Gold Connection (all levels)</td>
</tr>
<tr>
<td>July 27</td>
<td>5 p.m.</td>
<td>Last day for faculty to drop students for non-attendance</td>
</tr>
<tr>
<td>Aug. 10</td>
<td>9 a.m.</td>
<td>Final Grades due via Blue &amp; Gold Connection &amp; &quot;I&quot; Contracts due (Registrar's Office)</td>
</tr>
</tbody>
</table>
# GRADUATE DEGREES AND MAJORS OFFERED

<table>
<thead>
<tr>
<th>Degree</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Education</td>
<td>Bilingual Education</td>
</tr>
<tr>
<td></td>
<td>Educational Leadership</td>
</tr>
<tr>
<td>Doctor of Philosophy</td>
<td>Environmental Engineering</td>
</tr>
<tr>
<td></td>
<td>Hispanic Studies (cooperative degree with Texas A&amp;M University; Texas A&amp;M University-Corpus Christi; Texas A&amp;M International University)</td>
</tr>
<tr>
<td></td>
<td>Horticulture (cooperative degree with Texas A&amp;M University)</td>
</tr>
<tr>
<td></td>
<td>Sustainable Energy Systems Engineering</td>
</tr>
<tr>
<td></td>
<td>Wildlife Science</td>
</tr>
<tr>
<td>Master of Arts</td>
<td>Counseling Psychology, Cultural Studies, Psychology, Sociology</td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>Business Administration</td>
</tr>
<tr>
<td>Master of Education</td>
<td>Adult Education, Early Childhood, Special Education</td>
</tr>
<tr>
<td>Master of Engineering</td>
<td>Chemical Engineering, Civil Engineering, Electrical Engineering, Environmental Engineering, Mechanical Engineering, Natural Gas Engineering</td>
</tr>
<tr>
<td>Master of Music</td>
<td>Music Education, Music</td>
</tr>
<tr>
<td>Master of Science in Human Sciences</td>
<td>Human Sciences</td>
</tr>
<tr>
<td>Master of Social Work</td>
<td>Social Work</td>
</tr>
</tbody>
</table>

## Graduate Transcripted Certificate Programs Offered

<table>
<thead>
<tr>
<th>College</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Arts and Sciences</td>
<td>Women and Gender Studies</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>Business Analytics</td>
</tr>
<tr>
<td></td>
<td>Collaboration &amp; Team Dynamics</td>
</tr>
<tr>
<td></td>
<td>Cyber Security</td>
</tr>
<tr>
<td></td>
<td>Health Information</td>
</tr>
<tr>
<td>College of Education and Human Performance</td>
<td>Higher Education Administration and Leadership (Doctoral Level)</td>
</tr>
<tr>
<td></td>
<td>STEM Education (Doctoral Level)</td>
</tr>
<tr>
<td>Frank H. Dotterweich College of Engineering</td>
<td>Engineering Project Management Professional Certificate</td>
</tr>
<tr>
<td></td>
<td>Industrial Hygiene</td>
</tr>
<tr>
<td></td>
<td>Manufacturing Standards and Standardization Certificate</td>
</tr>
<tr>
<td>College of Arts &amp; Sciences &amp; Frank H. Dotterweich College of Engineering</td>
<td>Nano Materials Science and Engineering</td>
</tr>
</tbody>
</table>
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 (https://www.applytexas.org/adappc/gen/c_start.WBX) 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 to ensure the application is processed prior to the beginning of the semester.

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 and submit the online application via https://www.applytexas.org.
2. $35 Non-refundable Application Fee.
3. Official transcripts from all previously attended College and/or Universities. Degrees must be earned from schools that are accredited by one of the seven regional accrediting bodies (http://ope.ed.gov/accreditation/agencies.aspx) recognized by the U.S. Secretary of Education or the Council for Higher Education Accreditation (CHEA). Transcript policy: All official transcripts and degree certificates submitted to the College of Graduate Studies for admission or credit-transfer purposes become property of Texas A&M University-Kingsville and cannot be returned to the student or forwarded to other institutions.
4. Students applying for graduate program in business must submit either a Graduate Management Aptitude Test (GMAT) (Code #6822) score or a Graduate Record Exam (GRE) (Code #6822. Note: Select closest program if needed) or the Miller Analogies Test (MAT) (for education majors only, Code #2242). These scores must be received directly from the testing facilities.
5. Three (3) letters of recommendation are required for graduate students majoring in any doctoral program. Some graduate programs also require letters of recommendation (to be sent directly to the respective department). Please contact your department of interest for more information.
6. For students who education instruction has not been in the English language and/or whose first or native language is not English, please see the Proof of English Proficiency (p. 25) section below.

Admission requirement for any graduate program may vary based on the particular program. For more information on the admission/entrance requirements for specific programs, please refer to the department pages of the catalog or contact the graduate coordinator of the department for which you are applying. All students should be familiar with the information provided in the graduate catalog.

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

1. Completed and submit the online application via https://www.applytexas.org.
2. $50 Non-refundable Application Fee.
3. Official transcripts from all previously attended Colleges and/or Universities (with certified English Translation). (High school/Secondary school transcripts are not required.) An official statement of the awarded degree or diploma is required for each degree completed. A provisional degree certificate or an official copy of the final degree/diploma is required. The official copy must include an original signature of a school official and/or an original school seal. For international students who have attended U.S. schools, degrees must be earned from schools that are accredited by one of the seven regional accrediting bodies (http://ope.ed.gov/accreditation/agencies.aspx) recognized by the U.S. Secretary of Education
Please send Graduate Admission Supporting Documents to the following address:

Texas A&M University - Kingsville
College of Graduate Studies
700 N. University Blvd.
Kingsville, TX 78363

or Council for Higher Education Accreditation (CHEA). Transcript policy: All official transcripts and degree certificates submitted to the College of Graduate Studies for admission or credit-transfer purposes become property of Texas A&M University-Kingsville and cannot be returned to the student or forwarded to other institutions.

5. Students applying for a graduate program in business must submit the Graduate Management Aptitude Test (GMAT) (Code #6822). Students applying for other graduate programs must submit the Graduate Record Exam (GRE) (Code #6822) or the Miller Analogies Test (MAT) (for education majors only, Code #2242). These scores must be received directly from testing facilities.
6. Personal Statement, Resume, Letter of Recommendation (2 or 3). Optional for some Graduate programs. Please contact your department of interest for more information.
7. Copy of biographical page of your passport.
9. Proof of sufficient Medical Insurance Coverage. All international students attending TAMUK are required to have the Texas A&M University System Student Health Insurance Plan (SSHIP). The plan is automatically charged to the students' tuition and fee statements once they enroll in class. This information will be reflected on your form I-20 as well. For more information about the TAMUS Student Health Insurance Plan, please see our website: https://www.tamuk.edu/oisss/current_students/Insurance.html.
10. International students transferring from another institution in the United States must submit the following additional documents to the Office of International Student and Scholars Services:
   a. International Student Status Transfer Form completed by student and DSO of current institution.
   b. Updated proof of financial support dated within three months or less of the first enrollment at TAMUK.
   c. Copy of current I-20; copy of student's F1 visa; Copy of I-95 (front & back)
   d. For students with dependents: Written notification requesting dependents to be included on I-20.
11. Please contact the International Student Services (ISS) for further immigration information at international.services@tamuk.edu.

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. 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 (ETS) and dated within two (2) years of enrollment. Residual (Institutional) TOEFL exams taken at another institution will not be accepted. TOEFL (Code #6822). The College of Graduate Studies also accepts electronic Pearson Test of English (PTE) score for Proof of English Proficiency. The minimum required PTE is 53. IELTS scores are also accepted. The minimum score required is a 6.0 overall band score. Texas A&M University-Kingsville only accepts scores submitted electronically by the IELTS test center. No paper Test Report Forms will be accepted. An institutional code is NOT required. Please contact the test center directly where you took the IELTS test and request that your test scores be sent to the following e-download account:

Texas A&M University-Kingsville
College of Graduate Studies
700 N. University Blvd.
Kingsville, TX 78363

All international students are required to take the TOEFL, IELTS or PTE unless they qualify for a waiver.

Students who have completed their formal education at the secondary or postsecondary level in the following countries are exempt from the TOEFL requirement: Anguilla, Antigua and Barbuda, American Samoa, Australia, Bahamas, Barbados, Belize, Bermuda, British Virgin Islands, Canada (except Quebec), Cayman Islands, Dominica, Federated States of Micronesia, Gambia, Ghana, Gibraltar, Grenada, Guam, Guyana, Ireland, Jamaica, Liberia, New Zealand, Nigeria, United Kingdom (all), Saint Kitts and Nevis, Saint Lucia, Trinidad-Tobago, Turks and Caicos Islands, and Virgin Islands. Please note: applicants from Puerto Rico, where Spanish is the primary language are required to submit a TOEFL or equivalent.

The following are considered for the English Proficiency Admission Requirement:

- GRE Verbal Score 400 (Score on the Prior GRE Scale) or 146 (Score on the Current GRE Scale)
- Based on the review and decision of the College of Graduate Studies, student who have earned at least 12 credits, with a grade C or better, in university-level courses from a U.S. institution or an institution in one of the countries listed above, may be exempt form TOEFL.
- Completion of IEP program at TAMUK ELTC with an Advanced Plus.
- 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.

Please send Graduate Admission Supporting Documents to the following address:

College of Graduate Studies
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 (Q+V) of 284 or minimum MAT score of 388.
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.
4. For Doctoral Programs, successful completion of a Master’s degree in the field and a minimum GRE composite score of 294 or minimum MAT score of 398.

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.

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](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](http://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
EDUCATIONAL EXPENSES

Carlos Martinez, Jr., Executive Director of Budgets & Student Business Services
College Hall Room 102
Phone: 361-593-2616

Financial Obligations
Students are expected to pay all financial obligations to the university when due. Failure to meet such obligations will result in a student’s record being placed on a hold status and may result in the student not being able to 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 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. If account is not paid when due, the institution has the right to forward past due accounts to a collection agency and referral to the State of Texas to be put on State Hold. The student will be responsible for any and collection costs necessary for the collection of any amounts not paid when due.

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

NOTE: 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, a class or 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 one or more classes, according to the unpaid balance due. Students who establish and make the required initial payment of the installment payment plan will not be dropped.

Installment Payment of Tuition and Fees
Students selecting the installment payment plan may pay tuition and fees in three payments. There is a $15/$30 processing fee for choosing the installment payment plan. Students who select a installment payment plan need to be absolutely sure of all the classes/expenses, as only one plan is allowed. They are subject to the following provisions:

1. 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 deferred payment plan will be applied to account balance until paid in full.
2. A late payment penalty of $25/$50 will be assessed for each installment payment not made on or before the due date.
3. 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 and receiving future financial aid until full payment is made. A student who fails to pay in full prior to the end of the semester may be denied access to see semester grades.

Charge Card Privilege
Students may pay tuition and fees, including room and board, with an American Express, MasterCard, Discover and VISA. Credit card payments may be made over the web using the Money Connect PayPath service and are charged a 2.5% (or $3.00 minimum) convenience fee.

Concurrent Enrollment at Another 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.”

Dual Enrollment (High School Students Enrolled at an Institution of Higher Education)
Students from contracted high schools dually enrolled at perspective high school and at Texas A&M University-Kingsville are assessed at a reduced fee structure. This Dual Enrolled student fee table is available through the Dual Enrollment Office, Texas A&M University-Kingsville.

Returned Item Policy
When a bank returns an unpaid item (i.e., check, credit card, money order), for any reason, which 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 rejected by the student’s bank or credit card company. The individual is given 10 days from receipt of notification to clear the returned item using cash, cashier’s check or money order. Only payment in full will be accepted. The university will not accept a personal check or a credit card in payment for a returned item. In the event the certified mail is unaccepted and returned to the university, the university will attempt to deliver the notification to the student
through one of his/her classes. The university will also attempt to reach the individual by phone. The individual will be given 10 days from this contact to clear the item.

2. A registration and transcript hold will be placed on the individual's record. After an individual has one items returned to the university, checks will no longer be accepted as payment 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.

3. In those instances where the returned check and charge have not been redeemed after two notification attempts, the university may take the check to the district attorney (or county attorney) and file a complaint with that office. Any further action on the matter will follow the legal process as prescribed by the respective attorney's office.

**Resident vs. Nonresident Student Status**

All students attending Texas A&M University-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 Admission and have such question settled prior to registration. There can be no change of residence unless authorized by the Registrar. Students must pay the correct 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.

**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).

**Tuition and Fees**

**Texas Resident Fees**

*2019-2020 Fall & Spring Semesters*

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Minimum Tuition: $120.00
Add $50.00 tuition & $35.00 University Services Fee for each hour over 20. All other fees remain the same.

<table>
<thead>
<tr>
<th>Fee</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-refundable Fees</td>
<td>Late Registration Fee, Late Payment Fee, Reinstatement Fee, and Deferred Payment Plan Processing Fee.</td>
</tr>
</tbody>
</table>

Total does not include Lab fees that vary per course.

Non-Resident - U.S. & Foreign Fees

2019-2020 Fall & Spring Semesters
Approved by Board of Regents

<table>
<thead>
<tr>
<th>Graduate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours</td>
<td>Tuition</td>
</tr>
<tr>
<td>----------------</td>
<td>---------</td>
</tr>
<tr>
<td>1</td>
<td>472.00</td>
</tr>
<tr>
<td>2</td>
<td>944.00</td>
</tr>
<tr>
<td>3</td>
<td>1,416.00</td>
</tr>
<tr>
<td>4</td>
<td>1,888.00</td>
</tr>
<tr>
<td>5</td>
<td>2,360.00</td>
</tr>
<tr>
<td>6</td>
<td>2,832.00</td>
</tr>
<tr>
<td>7</td>
<td>3,304.00</td>
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<tr>
<td>8</td>
<td>3,776.00</td>
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<tr>
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<td>4,720.00</td>
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<td>16</td>
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<tr>
<td>17</td>
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</tr>
<tr>
<td>18</td>
<td>8,496.00</td>
</tr>
<tr>
<td>19</td>
<td>8,968.00</td>
</tr>
<tr>
<td>20</td>
<td>9,440.00</td>
</tr>
</tbody>
</table>

Minimum Tuition: $465.00

Add $472.00 tuition & $40 University Service Fee for each hour over 20. All other fees remain the same.

<table>
<thead>
<tr>
<th>Fee</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-refundable Fees</td>
<td>Late Registration Fee, Late Payment Fee, Reinstatement Fee, and Deferred Payment Plan Processing Fee.</td>
</tr>
</tbody>
</table>

Total does not include Lab fees that vary per course.

Mandatory Fees
(All fees are payable at registration.)

Athletic Fee
Funds are used to support the Athletic Department and entitle free admission to all varsity and recreational sports, athletic contests and other special activities.

Hospital Fee
Funds are used to support the Student Health Center, supplies, and all operational needs of that center.
Orientation Fee
Funds are used to support the operation expenses involved with hosting orientation sessions for new students.

Recreational Sports Fee
Funds are used to support the operations of the Recreational Sports and entitles free membership to the facility.

Student Center Fee
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.

Student Service Fee
Funds are used to support student activities such as the Student Government Association, student musical organization, The South Texan, the New Student Orientation and numerous other student activities.

University Services Fee
Funds are used to cover expenses for the following items: academic advising, library services, transcripts, student IDs, distance learning, campus safety and security, transportation, information technology and other university services as required.

Miscellaneous Fees

Parking Permit Fee
All persons who operate a vehicle on university property, regularly or occasionally, are required to register those vehicles online in the JNET portal at the University Website (http://www.tamuk.edu) under the Campus Resources tab and then Parking Spot. The Business Office located in College Hall, will issue a parking permit for 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. Information may also be found on the TAMU-K’s University Police Department website.

Kinesiology Fee
For each kinesiology service course, EDKN 1105 through EDKN 1149, the student will be charged a special fee of $4 for towel service. In specified courses, an additional fee may be charged.

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

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

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrument Rental Fee</td>
<td>$3 per semester</td>
</tr>
<tr>
<td>Marching Band members for three uniform cleanings</td>
<td>$10 per semester</td>
</tr>
</tbody>
</table>

Three-Repeat Fee
A $100 per semester credit hour fee assessed after the 12th class day (15th for summer sessions) of the semester for attempting a class for the third and subsequent times.

Excessive Hours Fee
A $100 per semester credit hour fee assessed for the number of hours exceeding the minimum required to complete the degree plan above the set allowance.

Visitor’s Fee
The fee for visiting a course for a person other than a full-time student is the same as that required for registration for credit. A full-time student pays no additional fee for visiting a course.
### Other Fees

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late Payment Fee</td>
<td>$35</td>
</tr>
<tr>
<td>Undergraduate (domestic) Application Fee</td>
<td>$35</td>
</tr>
<tr>
<td>Graduate (domestic) Application Fee</td>
<td>$50</td>
</tr>
<tr>
<td>International Application Fee</td>
<td>$75</td>
</tr>
<tr>
<td>R.O.T.C. Special Service Fee, Per Semester</td>
<td>$5</td>
</tr>
<tr>
<td>Thesis-Binding Fee for extra copy</td>
<td>$10.09</td>
</tr>
</tbody>
</table>

### Fines and Breakage Loss

Students are expected to exercise reasonable care of university property; an assessment will be made for any deliberate misuse. Students must pay all fines before they can receive a transcripts of their credits or can register in the university.

Student 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.

### 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, Direct 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 Direct Loans 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)**

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

1. 1st, 2nd and 3rd class day, the refund percentage - 80%
2. 4th, 5th and 6th class day, the refund percentage - 50%
3. 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)

1. 1st class day, the refund percentage - 80%
2. 2nd class day, the refund percentage - 50%
3. 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 (https://www.tamuk.edu/enrollment-management/finaid/policies-and-procedures/return-title-iv.html)

If the student receives less Federal Student Aid than the amount earned, the university will make a disbursement of the earned aid that was not received (Post-withdrawal disbursement.)

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

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

Refund Policies

The following policies are used for refunds:

1. Refunds are processed through Bank Mobile. Students receive their My One Card in the mail. Once received, student must activate the card to select their refund preference; they will have three options to select from
   a. direct deposit to their personal bank account
   b. direct deposit to their Vibe Account.
2. Any financial obligations owed the university will be deducted from the refund before it is processed.
3. 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.
4. No refunds will be made on visitors’ fees.

More information may be viewed by following the Tuition and Fees Quicklink on the TAMU-K Homepage.
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.

Please visit the Financial Aid Webpage (http://www.tamuk.edu/finaid) for current policies, procedures, and requirements.

### Financial Aid Application Deadlines
Time is a very critical part when applying for financial aid. The following are the institutional priority deadlines indicate the date financial aid applications must be completed to insure maximum grant eligibility.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall/Spring</td>
<td>January 1</td>
</tr>
<tr>
<td>Spring only</td>
<td>November 1</td>
</tr>
<tr>
<td>Summer Sessions</td>
<td>May 1</td>
</tr>
</tbody>
</table>

### Steps in Applying for Financial Aid

#### 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 Webage (https://www.applytexas.org/adappc/gen/c_start.WBX).
2. Apply for a student and parent FSA ID (https://studentaid.ed.gov/sa/fafsa/\%EF%AC%81lling-out/fsaid). Your FSA ID will allow you to electronically sign your Free Application for Federal Student Aid (FAFSA) and access your application.
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 in 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 at FAFSA Website (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 any additional information is required, an email notification will be sent to students outlining the requested documents.

### 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 BankMobile.
3. Funds from grants and scholarships will be readily available, but loans require additional steps to be completed at Studentloans.gov (https://www.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) 593-5372;
Office of Student Financial Aid, MSC 115
Kingsville, Texas 78363
e-mail: financial.aid@tamuk.edu;
Webpage: Financial Aid (http://www.tamuk.edu/finaid)

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

<table>
<thead>
<tr>
<th>Student Type</th>
<th>Required Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Student</td>
<td>3.0 GPA for all coursework completed at TAMUK</td>
</tr>
<tr>
<td>Doctoral Students</td>
<td>3.0 GPA for all coursework completed at TAMUK</td>
</tr>
</tbody>
</table>

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

Veterans Services
Memorial Student Union
361-593-4421

Our goal is to provide quality service to our students who have served our country and expand our military-friendly services and programs for America's finest by preparing them with all information on well-earned and deserved educational benefits. Our office is a guided resource to insure our students pursue and achieve their educational goals, along with professional and vocational objectives. Texas A&M University-Kingsville is a member of the Service members Opportunity Colleges (SOC) Consortium affirming our commitment to recognize and work with current or former military students and their families who want to obtain a college education.

### Benefits

Students attending with aid from Veterans Benefits should inquire with the Veterans Affairs Office prior to registration, to obtain needed information relative to their enrollment and "certification" or attendance to the Veterans Administration. All new students must furnish the Veterans Affairs Office a copy of their DD-214 (Member 4) or a certified DD-214 from the county court clerk of their respective county. The Veteran must also furnish certified copies of marriage certificates, divorce certificates, and dependents' birth certificates, if applicable. The Veterans Affairs Office will monitor the degree for which the student is registered and only certify applicable courses that pertain to the degree route. If it is found that a course is not currently listed, but approved by the student's advisor, and Advisor Approval Form will be needed to certify the courses. The Veteran's Administration will not pay educational benefits for courses taken which do not appear on the student approved degree plan, nor will they pay for courses previously taken and successfully completed.

### Federal Veteran Educational Benefits

**Forever GI Bill - Harry W. Colmery Veterans Educational Assistance Act:** Some new provisions that go into effect immediately include:

- The 15-year time limitation to use Post-9/11 GI Bill benefits is eliminated for Veterans who left active duty on or after January 1, 2013, children who became eligible for the Fry Scholarship (https://www.benefits.va.gov/gibill/fry_scholarship.asp) on or after January 1, 2013, and all Fry scholarship eligible spouses.
- We are now authorized to restore benefits and provide relief to Veterans affected by school closures or disapprovals. Learn more and apply here (https://www.benefits.va.gov/gibill/fgib/restoration.asp).
- Reservist who had eligibility under the Reserve Educational Assistance Program (REAP) and lost it due to the program sunset provision will have that service credited toward the Post 9/11 GI Bill program. We are in the process of identifying the approximately 2,800 Reservists affected by this and will send them letters with instructions.
- Certain work-study is permanently authorized; previously it had been re-approved by Congress every few years.
- Anyone eligible for GI Bill can use their benefits at an accredited independent study program at an area career and technical school, or a postsecondary vocational school providing postsecondary level education. There is no action for you to take here, as these programs will go through the normal course of approval by the appropriate State Approving Agency. Any new programs will be added to our GI Bill Comparison Tool.
- The VetSuccess on Campus program will be available to students across the country.
- VA will help Veterans to more clearly identify schools that offer them priority enrollment.
Post-9/11 G.I. Bill provides financial support for education and housing to individuals with at least 90 days of aggregate service on or after September 11, 2001, or individuals discharged with a service-connected disability after 30 days. You must have received an honorable discharge to be eligible for the Post-9/11 GI Bill (CH 33).

Transfer of Post-9/11 GI Bill (CH 33) Benefits to Dependents (TEB) also offers some service members the opportunity to transfer their GI Bill to dependents. For the first time in history, service members enrolled in the Post-9/11 GI Bill program will be able to transfer unused educational benefits to their spouses or children starting Aug. 1, 2009.

Montgomery G.I. Bill (CH 30) program provides up to 36 months of education benefits. This benefit may be used for degree and certificate programs, flight training, apprenticeship/on-the-job training and correspondence courses. Remedial, deficiency, and refresher courses may be approved under certain circumstances. Generally, benefits are payable for 10 years.

Vocational Rehabilitation and Employment (VR&E) Vet Success Program (CH 31) is authorized by Congress under Title 38, Code of Federal Regulations, CH 31. It is sometimes referred to as the CH 31 program. The Vet Success program assists Veterans with service-connected disabilities to prepare for, find, and keep suitable jobs. For Veterans with service-connected disabilities so severe that they cannot immediately consider work, Vet Success offers services to improve their ability to live as independently as possible.

Montgomery GI Bill—Selective Reserve (CH 1606) is an educational program for active members of the Selected Reserve. Eligible recipients receive a monthly stipend based on enrollment status. CH 1606 eligibility is determined by the Department of Defense. Basic eligibility requires a six-year obligation to serve in the Selected Reserve and satisfactory participation in required Selected Reserve training.

Reserve Educational Assistance Program (REAP or CH 1607) is for certain Reservists who were activated after 9/11/2001. Eligible recipients will receive a monthly stipend based on enrollment status and period of service. To be eligible, you must be a member of a reserve component and have performed active service for a minimum of 90 consecutive days.

Additional Federal Programs are Available at U.S. Department of Veterans Affairs Webpage (https://benefits.va.gov/gibill)

Texas Veterans Educational Benefits

Texas Hazelwood Act - Texas Veterans no longer entitled to educational benefits under the VA are eligible for assistance under the Hazelwood Act (Texas Education Code 54.203), if they are not eligible for any other federal financial aid. The Hazelwood Act waives tuition and fees for Texas Veterans. Under the Hazelwood Act, an eligible Texas Veteran is one who entered the military service from Texas, or Home of Record at the time of entry into active duty was Texas, or was a Texas resident at the time of entry into military service, served more than 180 days of federal military service- excluding Initial Entry Training (IET), received an Honorable Discharge or General Discharge under Honorable Conditions, exhausted GI Bill benefits if eligible for Post-9/11 GI Bill benefits at the 100% rate, reside in Texas during term of enrollment, meet the GPA requirement of the institution’s satisfactory academic progress policy in a degree or certificate program as determined by the institution’s financial aid policy and, as an undergraduate student, not to be considered to have attempted an excessive amount of credit hours. The Hazelwood Act provides qualified Veterans, Spouses, and Children with an education benefits of up to 150 hours of tuition and fee exemptions at state supported colleges or universities. Veterans using the exemption must complete the Hazelwood Act Exemption Application Texas Hazelwood Act Exemption Application (https://www.tvc.texas.gov/wp-content/uploads/2016/10/Forms-TVC-ED-1-and-TVC-ED-1a-Texas_Hazlewood_Act_Exemption_Application_with_Supporting_Documents_Instructions-June-2016.pdf)

Texas Hazelwood Legacy Program – Eligible Veterans may assign unused hours of exemption eligibility to a child under certain condition. To be eligible, the child must:

1. Veteran must qualify for the Hazelwood Exemption
2. Provide death certificate if Veteran is deceased
3. Recipient must be the biological child, stepchild, adopted child, or claimed as dependent for current or previous tax year on IRS 1040
4. Recipient must be 25 years old or younger on first day of class
5. Must meet the GPA requirement of the institution’s satisfactory academic progress policy in a degree or certificate program as determined by the institution’s financial aid policy and, as an undergraduate student, not be considered to have attempted an excessive amount of credit hours. 2.0 Undergraduate and 3.0 Graduate
6. Recipient must meet the institution’s resident tuition requirements
7. Provide DD214 or equivalent supporting documentation

To use the transfer of unused benefits to an eligible child, applicants must complete an application/release form. Please choose the appropriate application below:

Return of Federal Title IV Funds

**Continue Enrollment Form (CEF)** – Post initial application for the Hazlewood Exemption for enrollment of students subsequent to prior enrollment at the school in which the student is currently and consistently enrolled. Texas Hazlewood Act Exemption Application for Continued Enrollment (https://www.utep.edu/student-affairs/mssc/_Files/docs/New_Hazlewood_Continuation_Application.pdf)

**Revocation of Previously Assigned Texas Hazlewood Act Exemption Hours** – This form must be submitted to the institution where the benefits is currently being used to revoke previously assigned Hazlewood Legacy hours. Texas Hazlewood Act Exemption Hours (https://www.templejc.edu/live/files/578-revocation-of-hazlewood-hours).

**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, stops attending without notification or does not earn any credit during a term, the school must calculate (according to a specific formula) the portion of the total financial assistance that the student has earned and entitled to retain up to the time of the withdrawal or last attendance. If a student receives (or the university receives on the student's behalf) more assistance than what was earned, the unearned funds must be returned to the Department of Education. If a student's institutional charges are less than the amount earned, the student will receive a refund for any excess funds.

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 or stopped attending. 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 institutional charges or refund of those 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, Grad PLUS Loan, Parent PLUS Loan, Pell Grant, SEOG Grant, Teach Grant and Iraq and Afghanistan Service Grant.

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

The student’s official withdrawal date will be determined by the university as any one of the following:

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

If the student received less Federal Student Aid than the amount earned, the university will disburse the earned aid that was not received (Post-withdrawal disbursement).

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

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

Academic regulations that apply specifically to graduate students are listed in this section.

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 credit 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.

Grades

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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent, 90-100</td>
</tr>
<tr>
<td>B</td>
<td>Good, 80-89</td>
</tr>
<tr>
<td>C</td>
<td>Average, 70-79 (May not apply towards a graduate degree in some programs.)</td>
</tr>
<tr>
<td>D</td>
<td>Passing, 60-69 (Does not apply towards a graduate degree.)</td>
</tr>
<tr>
<td>F</td>
<td>Failure, below 60 (Does not apply towards a graduate degree.)</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete: given to a student who is passing but has not completed a term paper, examination or other required work. The instructor and the student are required to complete the standard university contract form for each course in which the temporary grade of I has been assigned. The grade of I will be used only to allow a student who has encountered some emergency such as illness or an accident an opportunity to complete the requirements for a course. A grade of I reverts to a grade of F one year from the close of semester/term in which the grade was originally recorded if the course requirements have not been satisfied. Not valid for Research/Project/Thesis/Dissertation courses.</td>
</tr>
<tr>
<td>Q</td>
<td>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 F under such circumstances.)</td>
</tr>
<tr>
<td>S</td>
<td>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.</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory: used to report research project, thesis and dissertation progress in master's and doctoral programs.</td>
</tr>
<tr>
<td>X</td>
<td>No grade posted by instructor: used to indicate that no grade was posted by the instructor teaching the course.</td>
</tr>
<tr>
<td>CR/NC</td>
<td>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.</td>
</tr>
</tbody>
</table>
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/Suspension**

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's academic standing will change to suspension. As soon as the academic standing is changed to suspension, any pre-registration courses for future semesters will be dropped. The graduate 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, department chair and/or 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.

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

Change of Name, Address or Social Security Number
Students who wish to change their name on their transcript must provide legal documentation of the change to the Office of the Registrar. Not advising the Office of the Registrar of a legal name change may cause transcript 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 HOUSING AND RESIDENCE LIFE AND DINING SERVICES

Thomas D. Martin, Executive Director, University Housing & Residence Life
Lucio Hall Room 119
Phone: 361-593-2300

Undergraduate On-Campus Residence Requirement

The university requires all students with less than 30 completed semester credits hours (dual enrollment hours are not to be considered because they were not received while living on campus) or under 20 years of age to reside in university residence halls. Students under the required residence policy, however, will be automatically exempted if they live with a parent or legal guardian within a 40 mile radius of Kingsville which will be verified by the Department of Housing and Residence Life. All other students wishing to reside off campus who live outside the 40 mile radius must complete a Housing Exception Request Form which is available at the Department of Housing and Residence Life or the University Housing and Residence Life (http://www.tamuk.edu/housing) webpage. Submission of an exemption form does not guarantee approval, so students are advised not to make housing arrangements until approval is received. Registered students required to live on campus who do not receive approval for exemptions will be billed for on-campus housing.

Request to Live Off Campus

Exceptions to the policy may be granted to those students who meet one of the following criteria:

1. living with a parent or legal guardian and commuting within 40 miles,
2. transferring in with 30 or more acceptable credit hours,
3. 20 years of age or older

In order to be considered for an exception to the required residency policy, students who do not meet the requirements to live off campus and are planning on commuting must complete and submit a Housing Exception Request form by July 1 for the fall semester and December 1 for the spring semester. All commuting students (outside the 40 mile radius) must complete this form. Students who have already applied and then file for exception should not make any other housing arrangements until they are notified in writing as to the status of their request.

Applying for University Housing

Incoming, New and Transfer, students can apply for housing by completing these four steps:

1. Student must be accepted for admission to the University
2. Submit a copy of your Bacterial Meningitis vaccinations¹ (as mandated by state law) to Student Health and Wellness as soon as possible²
3. Visit http://www.tamuk.edu/bluegold/ and log into your Blue & Gold Connection to apply. One of the last links on the Home Menu: Online Housing Agreement.
4. Once you have applied, go back to the Blue & Gold Home Menu and click on the MoneyConnect link to pay your $150 Room Reservation & Damage Deposit. Once you are redirected click the tab at the top of the page labeled Deposit. Make sure to select Housing deposit and not Study Abroad deposit. The semester you are applying for (drop down link) is undergoing construction so please select the option available (even if it is for the for the wrong term) and we will ensure on our end that the deposit gets applied to the 1st semester you will be living on campus with us.

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.

Room Reservation and Damage Deposit

The $150 deposit, should accompany the Room Reservation/Damage Deposit Application, serves as a combination of reservation/damage/room clearance deposit. The deposit is not applied to housing rent. The deposit will be refunded to the student upon written request when all debts owed by the resident to the university are paid and the housing agreement is fulfilled. The deposit is automatically forfeited if the student cancels after the deadline, does not check into his/her assigned room during the check-in period, moves out of the hall before the end of the semester, or fails to properly check out of the hall at the end of each semester. The student will also be billed any remaining housing charges as applicable under the terms of the agreement. The previous charges, plus other damages or assessments left unpaid at the time the student leaves Texas A&M University-Kingsville Department of University Housing and Residence Life will be deducted from the $150 deposit. Failing to submit a deposit will result in $150 room reservation charge added to your student account.

Cancellation Dates

Should there be a change in plans to attend Texas A&M University-Kingsville, written notice of cancellation must be received by the Department of University Housing and Residence Life on or before the following deadlines in order to receive a refund of $100 of the Housing Deposit.
Written cancellation requests may be received in person, by email (residencelife@tamuk.edu), or by mail to the:

Department of University Housing and Residence Life
700 University Blvd., MSC 108
Kingsville, TX 78363-8202

Notification submitted to other departments other than the Department of University Housing and 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.

<table>
<thead>
<tr>
<th>Effective Date of Cancellation</th>
<th>Cancellation Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>On or Before Semester Deadline</td>
<td>$50&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>After Semester Deadline (Between 1-30 Days)</td>
<td>$550&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>After Semester Deadline (After 30+ Days)</td>
<td>$650&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

<sup>1</sup> $50 of your Housing Deposit will be forfeited.

<sup>2</sup> 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.

<sup>3</sup> 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.

### Traditional-Style 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 service is available in each student room. Housing rates are listed at the end of this section. Rules governing residence hall living and dining room conduct are set forth in the [Student Hand-book](#) and [Residence Life Guidebook](#).

**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 and a study room. Room furnishings include two beds and a chest of drawers, a built-in desk and bookcase, two closets and two Ethernet ports. Central bathroom facilities are located on each wing. **(A Side)** can house up to 190 male students and up to 64 upperclassmen male students (21 years of age or have 60 credit hours). Martin Hall **(A Side)** has a computer lab, workout room and study room. Martin Hall has an outdoor courtyard which includes a basketball half court and a sand volleyball court.

**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 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. Bishop Hall also provides 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 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 features suite style restrooms. It has a sundeck available for its residents.

### Suite-Style Residence Halls

Suite-style design consists of a two or four bedroom unit; while rooms are private, residents share a living room, kitchenette and one or two bathroom(s). In addition, cable television is provided in each bedroom and living room. Residents also have access to wireless Internet, study labs, a large lounge and meeting rooms, on-site mailboxes and conveniently located administrative offices.

**Mesquite Villages West – Home of the Honors College** opened in the Fall of 2011. Mesquite Village West is a four-story, 98,000 square feet co-ed residence hall, housing 300 beds, with a two and four bedroom unit suite-style design with first priority assigned to students who have been accepted into the Honors Program. Mesquite Village West is located across from Lucio Hall.
Eduardo and Josefa Lucio Hall opened in the Fall of 2009. It is a four-story, 210,00 square feet co-ed residence hall, housing 600 beds, with a two and four bedroom suite-style design. Lucio Hall is located across from Martin Hall.

**Meal Plans**

Students who are under 21 years old are required to purchase a meal plan in addition to housing. 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.

**Room and Meal Plan Payment Procedures**

Upon being assigned to a residence hall, the room and meal plan 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 by one of the following two options:

**PAYMENT OPTION 1.** The student may choose to pay and/or use financial aid to pay student account balance in FULL on or before the payment due date.

**PAYMENT OPTION 2.** TUITION, FEES, ROOM & BOARD - FALL and SPRING SEMESTERS ONLY (excluding mini intersession terms) – The student may choose to pay balance on the Installment Payment Option by the payment deadline. TAMUK offers a Deferred (4-Payment) Installment Plan that covers the cost of all outstanding tuition, room, board, and mandatory fees.

- The student can enroll for this option online through MoneyConnect (https://moneyconnect.tamuk.edu/C20209_tsa/web/login.jsp) and $100.00 down payment must be made at the time of enrollment in the plan. The student can pay and/or use financial aid award to cover the first installment of 25% of balance.
- The non-refundable payment plan setup fee of $30.00 will be calculated into the installment payments.
- The student will pay the remaining installment payments on or before the due date specified for each installment.
- A $15.00 late fee will be assessed for each installment payment that is late.
- INSTALLMENT AMOUNTS MAY CHANGE over time to account for any new changes, payments, or financial aid adjustments.

If a scheduled payment becomes delinquent, notification will be forwarded to stop meals. **The student will still be responsible for paying for meals that 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. 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.

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. 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. The student will be responsible for all collection fees and enforcement, in addition to the original student account balance due that is sent to collections.

**Miscellaneous Housing Information**

1. The university will make all residence hall and room assignments and reassignments as necessary. The university cannot guarantee assignment to a particular hall or a specific roommate. First priority of residence hall assignment is given to students who have resided in university housing the preceding long semester and contracted to return to the halls. Second priority of residence hall assignment is given to new applicants based on the date that the housing agreement, housing deposit and bacterial meningitis record are received in the University Housing and Residence Life Office. All applicants must be accepted to the university before a housing assignment can be made. In the event that hall reservations reach capacity, overflow students will be assigned to temporary assignments in other areas as long as space is available. Students will be reassigned as regular housing becomes available. Not placing a deposit or submitting incomplete agreement forms can also delay the assignment process.

2. 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.

3. 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 May 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.

4. 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).
5. 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.

6. 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 University Housing and 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 University Housing and 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**

Jackie Flores, *Interim Food Service Director*

Memorial Student Union 212
Phone: 361-593-3096.

Aramark Food Service is the sole provider of food services on campus. Javelina Dining Hall, located on the corner of Engineering Avenue and Retama Street is an all you care to eat for one price facility and the servicing location for the multiple board plans available, including continuous meal service. It is open daily when school is in session. Additionally, there are retail operations including a Pizza Hut Express, Chick-fil-A Express, Starbucks, Subway and Taco Taco Cafe in the Memorial Student Union. Most meal plans include specific dollar allocations for retail purchases as well as regular meals. You can also purchase Aramark Dollars put on your ID that can be used at any Aramark location. Aramark also operates a full-service catering operation that can handle everything from coffee service to full service dinner banquets to large wedding receptions and even special events off campus. Aramark is also the concessions provider for any games at Javelina Stadium. There are many opportunities for student employment in food services.

**Summary of Housing Rates**

**2019-2020 Fall and Spring Semesters**

The university reserves the right to change the housing rates with 30 days notice.

<table>
<thead>
<tr>
<th>Residence Hall</th>
<th>Room Only (must be 21+)</th>
<th>Room and Carte Blanche w/$75</th>
<th>Room and 14 Meal Plan w/$100</th>
<th>Room and 10 Meal Plan w/$250</th>
<th>Room and 10 Meal Plan w/$100</th>
<th>Room and 10 Meal Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bishop Hall (Women’s Hall)</td>
<td>$2,180.00</td>
<td>$4,116.46</td>
<td>$4,016.84</td>
<td>$4,021.62</td>
<td>$3,824.05</td>
<td>$3,730.65</td>
</tr>
<tr>
<td>Turner Hall (Men’s Hall)</td>
<td>$2,180.00</td>
<td>$4,116.46</td>
<td>$4,016.84</td>
<td>$4,021.62</td>
<td>$3,824.05</td>
<td>$3,730.65</td>
</tr>
<tr>
<td>Martin Hall (B Side) (Men’s Hall)</td>
<td>$2,180.00</td>
<td>$4,116.46</td>
<td>$4,016.84</td>
<td>$4,021.62</td>
<td>$3,824.05</td>
<td>$3,730.65</td>
</tr>
<tr>
<td>Lynch Hall (Suite Plan) (Women’s Hall)</td>
<td>$2,500.00</td>
<td>$4,436.46</td>
<td>$4,336.84</td>
<td>$4,341.62</td>
<td>$4,144.05</td>
<td>$4,050.60</td>
</tr>
<tr>
<td>Lucio Hall (2 Bedroom) (Co-ed Hall)</td>
<td>$3,650.00</td>
<td>$5,586.46</td>
<td>$5,486.84</td>
<td>$5,491.62</td>
<td>$5,294.05</td>
<td>$5,20.65</td>
</tr>
<tr>
<td>Lucio Hall (4 Bedroom) (Co-ed Hall)</td>
<td>$3,500.00</td>
<td>$5,436.46</td>
<td>$5,336.84</td>
<td>$5,341.62</td>
<td>$5,144.05</td>
<td>$5,050.65</td>
</tr>
<tr>
<td>Mesquite Village West (2 Bedroom) (Co-ed Hall)</td>
<td>$3,650.00</td>
<td>$5,586.46</td>
<td>$5,486.84</td>
<td>$5,491.62</td>
<td>$5,294.05</td>
<td>$5,20.65</td>
</tr>
<tr>
<td>Mesquite Village West (4 Bedroom) (Co-ed Hall)</td>
<td>$3,500.00</td>
<td>$5,436.46</td>
<td>$5,336.84</td>
<td>$5,341.62</td>
<td>$5,144.05</td>
<td>$5,050.65</td>
</tr>
</tbody>
</table>
Private rooms are not awarded unless space is available after the 12th class day from a waiting list. $400 additional charge for private room.

### Room Only Option / Cost per semester

<table>
<thead>
<tr>
<th>Residence Hall</th>
<th>Cost</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lucio Hall 4th Floor Only (Co-ed Hall)</td>
<td>(2 Bedroom) $3,650.00</td>
<td>Must be 22 years of age or have 90 semester hours; meal plan is optional.</td>
</tr>
<tr>
<td></td>
<td>(4 Bedroom) $3,500.00</td>
<td></td>
</tr>
<tr>
<td>Martin Hall (A Side) (Men Only)</td>
<td>$2,180.00</td>
<td>Must be 21 years of age or have 60 semester hours; meal plan is optional; Private room is $400 extra if space is available.</td>
</tr>
<tr>
<td>Bishop Hall (1-S) (Women Only)</td>
<td>$2,180.00</td>
<td>Must be 21 years of age or have 60 semester hours; meal plan is optional; Private room is $400 extra if space is available.</td>
</tr>
</tbody>
</table>

### 2018-2019 Meal Plan Options

<table>
<thead>
<tr>
<th>Carte Blanche w/$75</th>
<th>14 Meal Plan w/$100</th>
<th>10 Meal Plan w/$250</th>
<th>10 Meal Plan w/$100</th>
<th>10 Meal Plan</th>
<th>Block Plan 60 Meals w/ $75</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,936.46</td>
<td>$1,836.84</td>
<td>$1,841.62</td>
<td>$1,664.05</td>
<td>$1,550.65</td>
<td>$548.42</td>
</tr>
</tbody>
</table>

Must be 21 yrs.

### Cancellation Policy and Deadlines

If your plans about attending the school change, you must cancel your housing reservation in writing by the following deadline in order to get a $100 refund of your deposit. Written cancellation request may be received in person, by fax (361)593-2417, or by mail to:

Residence Life Office  
700 University Boulevard, MSC 108  
Kingsville, TX 78363-8202

Contact our office at (361)593-3419 if you have any questions.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>July 1</td>
</tr>
<tr>
<td>Spring</td>
<td>December 1</td>
</tr>
<tr>
<td>Summer Session I</td>
<td>May 1</td>
</tr>
<tr>
<td>Summer Session II</td>
<td>June 1</td>
</tr>
</tbody>
</table>
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 Company, Assistant Vice President of Student Affairs & Dean of Students
Memorial Student Union 306
361-593-3606.

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, Directo Auxiliary Services
Memorial Student Union 208.
361-593-4036

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

Erin McClure, **Director, Student Activities**  
Javelina Student Engagement Center  
361-593-2760.

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

Erin McClure, **Director, Student Activities**  
Javelina Student Engagement Center  
361-593-2760.

Javelina Camp is a high-intensity three-day experience designed specifically for incoming Freshmen. Students who participate in Javelina Camp will learn about the spirited traditions of TAMU-Kingsville, spend time in small “packs” centered on bonding and connecting with student in an interactive setting, participate in team competitions, reflect on their personal college goals and most importantly have fun with other future students.

Javelina Welcome, the University’s official orientation program, begins two days prior to each fall semester’s first day of class. During this program, students will move into their residence halls, attend study skill seminars and information sessions, as well as participate in the University’s Matriculation Ceremony. Families are encouraged to attend; participation by new students in encouraged.

International Student Orientation (ISO) is a program for all incoming international students in F-1 or J-1 student status, including freshman, graduate, professional, transfer, returning students from leave and exchange students. ISO is designed to help students learn about and understand important immigration regulations and procedures required of F-1 and J-1 students, confirm their arrival for required government reporting purposes, and to assist new students in adjusting to Texas A&M University-Kingsville.

### 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 ([The South Texan Website](https://www.tamuk.edu/southtexan/staff.html)) 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

Anthony Kreitzer, **Director**  
Student Recreation Center  
361-593-3059.

#### 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**

Stephen P. Roach, *Executive Director of Athletics and Campus Recreation*
McCulley Hall Room 112
361-593-2800

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.

**Follett Javelina Bookstore**

Mary Garza-Gutierrez, *Manager*
Memorial Student Union
361-593-2601

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 (https://www.bkstr.com/texasamkingsvillestore).

**Career Services Center**

Christina Rodriguez-Gonzalez, *Interim Director*
Eckhardt Hall Room 102
361-593-2217

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 Room 110
361-593-2243
Javelina Express Webpage (http://www.tamuk.edu/javelinaexpress)
Student Services

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
Memorial Student Union Building
361-593-2400

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
Adriana Garza-Flores, Interim Associate Vice President for Marketing and Communications
College Hall Room 130
361-593-3901

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
361-593-3317

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 Immigration 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)

Shannon Baker, Interim Associate Vice President for Student Success
College Hall

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

Maria Martinez, Interim Associate Vice President for Student Access
College Hall Room 230
361-593-2129

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
361-593-3991
SHW Webpage (http://www.tamuk.edu/shw)

Student Health and Wellness (HSW) 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.
361-593-3991
SHW Webpage (http://www.tamuk.edu/shw)

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  
361-593-2904  
SHW Webpage (http://www.tamuk.edu/shw)

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  
361-593-3024  
SHW Webpage (http://www.tamuk.edu/shw)

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  
361-593-2382  
SHW Webpage (http://www.tamuk.edu/shw)

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 Loredo, *Director*
Marc Cisneros Center for Young Children
361-593-2219

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
361-593-2611

The University Police Department (UPD) is a full-service policy 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 [https://jnet.tamuk.edu/web/home-community/campus-life]). Due to constant changes in parking zones, an up-to-date campus map is located at the following address — Parking Zone Webpage (http://www.tamuk.edu/upd/parking.html)

**University Writing Center**

Steven Corbett, *Director*
Jernigan Library Room 217
361-593-2744

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 (http://www.tamuk.edu/writingcenter) 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.
JAMES C. JERNIGAN LIBRARY

Bruce R. Schueneman, Library Director
Jernigan Library 101A
361-593-3528

Professional Staff
Sylvia Martinez, Administrative Coordinator II
Genaro Medrano, End User Support Specialist II

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 (books, periodicals and microforms) number well over one million items. Additionally, the website links Texas A&M-Kingsville students, faculty and staff to over 100 subscription databases, as well as online 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. For assistance in finding library materials or with help in conducting research, library users may contact the Reference Department in person, by telephone (593-3319), by linking directly from the website to an e-mail form, or by means of an online chat widget. Faculty may request library instruction by calling 4153 or by using an online form.

LibGuides (http://libguides.tamuk.edu/home) provide information concerning library services as well as online research help for a variety of subjects and individual classes.

Access Services (Circulation and Reserves) are adjacent to the main exit. See the Jernigan Library website for information on 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.

Faculty

Department Faculty

Atkins, Lori Assistant Librarian, James C. Jernigan Library; B.A., The University of Texas at Arlington; M.S., University of North Texas.

Ayala-Schueneman, Maria Professor, James C. Jernigan Library; Associate Director (Public Services); B.A., Texas A&I University; M.A., Texas A&I University; M.L.S., San Jose State University; Ed.D., Texas A&M University-Kingsville.

Baker, Elizabeth Assistant Librarian, James C. Jernigan Library; B.A., University of South Carolina-Beaufort; M.L.S., University of South Carolina.

Chapman, Anthony Gamaliel Assistant Librarian, James C. Jernigan Library; B.S., Lee University; M.L.S., University of Tennessee.

Limon, Krystal Assistant Librarian, James C. Jernigan Library; B.A., Texas A&M University-Kingsville; M.S., University of North Texas.

Melchor, Amanda Assistant Librarian, James C. Jernigan Library; B.S., Rice University; M.S., University of Illinois at Urbana-Champaign.

Packard, Victoria Professor, James C. Jernigan Library; Coordinator of Instructional Services and Distance Learning Librarian; B.A., University of Northern Colorado; M.L.I.S., The University of Tennessee.

Radcliff, Christine Associate Librarian, James C. Jernigan Library; Head of Technical Services; B.A., Texas A&M University-Corpus Christi; M.S., Texas Woman's University.

Schueneman, Bruce Professor, James C. Jernigan Library; Director; B.A., University of California, Berkley; M.L.S., San Jose State University; M.S., Texas A&I University.
Smith, Bailey R Assistant Librarian, James C. Jernigan Library; B.A., Texas A&M University-College Station; M.L.S., University of North Texas.

Stigall, Ronald Assistant Librarian, James C. Jernigan Library; B.S., Wayne State University; M.L.S., Wayne State University.

Tallant, Matthew Assistant Librarian, James C. Jernigan Library; B.A., University of Wisconsin-Madison; M.L.S., University of North Texas.

Vasquez, Hector Assistant Librarian, James C. Jernigan Library; B.A., Texas A&M University-Kingsville; M.B.A., Texas A&M University-Kingsville; M.L.S., Texas Woman's University.

Emeritus

Tipton, Carol J. Director of Jernigan Library, James C. Jernigan Library; B.S., Texas A&I University; M.S., Portland State University; Ph.D., Texas A&M University.
CENTER FOR DISTANCE LEARNING AND INSTRUCTIONAL TECHNOLOGY

Rolando Garza, Interim Director for Distance Education and Instructional Technology
Jernigan Library 213
361-593-2860
Distance Learning and Instructional Technology Webpage (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 at the Citrus Center in Weslaco, TX.

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)
Distance Learning programs may change year to year. Please visit the webpage (http://www.tamuk.edu/distancelearning/onlineprograms.html) to find a list of current offerings at TAMUK.

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://www.tamuk.edu/itech/help_desk/index.html); (361)593-4357; On-campus Jernigan Library Commons (1st floor) during normal library operational hours.
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**
Laura Clarke, Testing Supervisor
Cousins Hall 103
361-593-3303
Academic Testing Webpage (http://www.tamuk.edu/academictesting)

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**
Brenda Ballard, Program Coordinator I
Cousins Hall 109
361-593-2854
Continuing Education Webpage (http://www.tamuk.edu/continuinged)

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**
Peter Li, Director
Cousins Hall 113A
361-593-2855
English Language Training Center Webpage (http://www.tamuk.edu/eltc)

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:

1. Zero and Beginning Levels;
2. Low and High Intermediate Levels; and
3. 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
361-593-5002

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
361-593-2849

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
361-593-2244

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
361-593-3558

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
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.
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 counsels 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.
General Requirements for Graduation with a Master's Degree

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 (http://www.tamuk.edu/grad).

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**

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 a faculty advisor, the graduate program coordinator and department chair.

2. 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.

3. 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.

4. 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.

5. 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.

6. 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 students must be registered in at least one credit hour graduate course during the semester of their comprehensive exams.

**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

Contact Information

Chair: Greta L. Schuster  
Phone: 361-593-4116  
Email: greta.schuster@tamuk.edu  
Building Name: Kleberg Agriculture Building  
Room Number: 117

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.

For a M.S. in Agriculture Science (AGSC) 36 hour Graduate Program and Course Only options, a combination of 24 hours in major subject areas (AGRI, AGSC, AGBU, PLSS) within the Department of Agriculture, Agribusiness, and Environmental Sciences will satisfy the required 24 major hours minimum expectation for a general AGSC degree towards the 36 hours program option.

For the M.S. degree in Ranch Management, the following course subjects can be included in the major area for the degree (ANSC, WSCI, PLSS).

Faculty

Graduate Faculty

Mathis, Clay Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Robert J. Kleberg, Jr. and Helen C. Kleberg Endowed Chair and Director, King Ranch Institute for Ranch Management; B.S., Texas A&M University; M.S., Texas A&M University; Ph.D., Kansas State University.

Nelson, Shad Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Dean, Dick and Mary Lewis Kleberg College of Agriculture, Natural Resources, and Human Sciences; Texas A&M University-Kingsville Citrus Center; B.S., Brigham Young University; M.S., Brigham Young University; Ph.D., University of California, Riverside.

Schuster, Greta Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Interim Chair; B.S., Texas A&M University-Commerce; M.S., Texas A&M University-Commerce; Ph.D., Texas A&M University.

Williams, Randall H Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; B.S., Texas Tech University; M.Ed., Texas Tech University; Ed.D., Oklahoma State University.

da Graca, John Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Director, Texas A&M University-Kingsville Citrus Center; B.S., University of Natal (South Africa); M.S., University of Natal (South Africa); Ph.D., University of Natal (South Africa).

Associate Member

Ancona-Contreras, Veronica Assistant Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; B.S., Universidad Autonoma de Nuevo Leon (Mexico); M.S., Texas A&M University-Kingsville; Ph.D., Texas A&M University.

Setamou, Mamoudou Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Texas A&M University-Kingsville Citrus Center; B.S., Benin National University (Benin); M.S., University of Cape Coast (Ghana); Ph.D., University of Hannover (Germany).

Emeritus

French, J. Victor Professor of Agriculture, Department of Agriculture, Agribusiness, and Environmental Sciences; B.S.A.G., Colorado State University; M.S., Colorado State University; Ph.D., Michigan State University.

Hensz, Richard Professor of Agriculture, Department of Agriculture, Agribusiness, and Environmental Sciences; B.S., Texas A&M University; M.S., Texas A&M University; Ph.D., University of Florida.
Courses

Agribusiness (AGBU)

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

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

AGBU 5390 Advanced Studies In Agribus  3 SCH (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.

AGBU 5395 Advance Problems in Agribus  1-3 SCH (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)

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

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

AGSC 5312 Facilities for Agric Sci  3 SCH (3)
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.

AGSC 5361 Prog Building in Agric Educ  3 SCH (3)
Organization of education programs in vocational agriculture for production, cooperative training and pre-employment classes. Developing annual teaching plan.

AGSC 5363 Mthds in Adult and Yng Farmer  3 SCH (3)
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.

AGSC 5367 Org and Admin of Voc Educ  3 SCH (3)
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.

AGSC 5390 Advanced Studies in Agr Ed  3 SCH (3)
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.

AGSC 5395 Advanced Prob in Agr Sci Tech  1-3 SCH (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.

AGSC 5399 Thesis Topics  1-9 SCH (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.

Environmental Science (ENVS)

ENVS 5300 Adv. Environmental Science  3 SCH (3-0)
In-depth exploration of the fundamental principles of environmental systems including biological, chemical, social, political, cultural, and economic factors that affect the environment; scientific and social implications of climate change, including impact of anthropogenic pollutants and human population on the environment.
ENVS 5305 Graduate Research Project 3 SCH (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.

ENVS 5310 Sustainable Landuse Dec & Mgmt 3 SCH (3-0)
Impact of private and public land use on natural resource conservation; private land ownership and management issues; and land administration patterns in the United States. Registration in ENVS 5300 Advances in Environmental Science is required.

ENVS 5330 Sustainability of Eviron Ecosy 3 SCH (3-0)
Importance of terrestrial ecosystems as habitats for environmental sustainability of plants, forests, and animal communities. Prerequisites: ENVR Intro to Environmental Science. Students can enroll concurrently with Introduction to Environmental Science. ENVS 5300 is required.

ENVS 5340 Soil and Water Conservation 3 SCH (3-0)
Students will learn the methods of soil and water conservation and management techniques adapted to conserve water and soils in different environments. Students will also study relevant literature for most recent developments in the field of water and soil conservation.

ENVS 5360 Environmental Econ & Sustn Dev 3 SCH (3-0)
The course introduces students to natural and environmental resource economics; emphasizes understanding of economic concepts; and evaluates their application to stakeholder socioeconomic needs of natural resources. Registration in ENVS 5300 Adv. Environmental Science is required.

ENVS 5390 Adv Studies in Environment Sci 3 SCH (3-0)
Material offered is determined by the needs of the students. May be repeated under a different topic.

ENVS 5395 Adv Probs in Environmental Sci 1-3 SCH (1-3-0)
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 students. Prerequisite: approval of a faculty member who will supervise the problem.

ENVS 5399 Thesis Topic 1-9 SCH (0-1-9)
For thesis option Master's students. To be taken by students who receive a stipend while working on their research project in Environmental Systems Management. 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.

### Plant and Soil Science (PLSS)

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

PLSS 5306 Thesis 3 SCH (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.

PLSS 5329 Adv. Terrestrial Ecosystems 3 SCH (3-0)
Students will examine the principles and processes that determine the patterns of terrestrial ecosystems along latitudinal gradient with emphasis on the patterns and structures of temperate ecosystems. The course will begin with an overview of global ecosystems but settle with in-depth look at temperate ecosystems as they exist in North America.

PLSS 5330 Adv. Environmental Science 3 SCH (3-0)
Designed to expose students to biological, chemical, social, political, cultural, and economic factors that affect the environment. The course will explore scientific and social implications of climate change, global warming, and the effects of anthropogenic pollutants and human population on the environment.

PLSS 5337 Prac App Plant Biotechnology 3 SCH (3-0)
The course will include an introduction to theoretical aspects in Plant Biotechnology with emphasis on practical application. Students will have an opportunity to get hands on training with some of the most basic, yet widely utilized techniques in micropropagation and plant molecular diagnostics.

PLSS 5350 Pesticides and the Environment 3 SCH (3-0)
Comprehensive in-depth study of characteristics and properties of pesticides and their applications in agricultural sciences, public and environmental health. Emphasis on insecticides, miticides (i.e., acaricides), fungicides and herbicides. Elements of pesticide science, such as pesticide chemical formulations, biochemical pathways of pesticide effects on organisms and the physiology of toxicity on development will be covered.

PLSS 5351 Advanced Plant Propagation 3 SCH (3-0)
Emphasis is placed on the basic principles of plant propagation to provide an adequate background in the areas of horticulture. All aspects of plant propagation will be studied including methods and technologies that are used in the propagation industry.

PLSS 5352 Advanced Plant Physiology 3 SCH (3-0)
Introduction to physiological processes of plants including physical processes, water relations, and cell physiology. In-depth examination of plant cell structures, photosynthetic processes, transport and translocation of water and solutes with the plant, biochemistry and metabolism, and growth and development of plants.
PLSS 5353 Advanced Plant Pathology 3 SCH (3-0)
Advanced study of the biology of plant pathogenic fungi, oomycetes, bacteria and viruses as well as the plant response to pathogen attack. Topics include host recognition an colonization, pathogenicity and virulence determinants, resistance mechanisms and plant defense responses. This course will also cover management practices to minimize the damage associate with plant diseases.

PLSS 5360 Exper. Designs & Data Analysis 3 SCH (3-0)
Introduction to experimental design including data analysis software, and data interpretation. Hands-on training on SAS software and preparation of data collection and analysis.

PLSS 5390 Adv Stud in Plant and Soil Sci 3 SCH (3-0)
Material offered is determined by the needs of the students. May be repeated under a different topic.

PLSS 5395 Adv Prob in Plant Science 1-3 SCH (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.

PLSS 5399 Thesis Topics 1-9 SCH (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.

Degree Requirements
Agriculture Science, M.S. - Coursework Only Terminal Degree

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1 Supporting Elective Field – Electives from graduate level coursework in a supporting field: (i.e., ANSC, PLSS, HSCI, WSCI, ADED, EDAD, etc.)
2 AGSC 5390 – Chosen from one of four Advanced Special Topic Courses. Requires comprehensive oral exam.
### Agriculture Science – Agribusiness, M.S. - Thesis

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2. AGSC Elective – Electives from graduate level courses in agricultural science-agribusiness.
3. AGSC 5306 – requires completion of a thesis and oral examination.

### Agriculture Science – Agribusiness, M.S. - Graduate Project

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### Agriculture Science – Agribusiness, M.S. - Coursework Only Terminal Degree

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2. AGSC Elective – Electives from graduate level coursework in agricultural science-agribusiness.
3. AGSC 5305 – Requires completion of a comprehensive written and oral examination.

### Plant and Soil Science, M.S. - Thesis

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**Total Credit Hours Required:** 36

1. Free Elective – Electives from graduate level coursework in geography/GIS, animal science, agriculture science, range and wildlife science, agribusiness, environmental engineering, chemistry and biology.
2. PLSS Elective – Electives from graduate level coursework in plant and soil science.
3. Requires thesis defense and oral comprehensive exam to graduate thesis committee.

### Plant and Soil Science, M.S. - Graduate Project

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**Total Credit Hours Required:** 36

1. Free Elective – Electives from graduate level coursework in geography/GIS, animal science, agriculture science, range and wildlife science, agribusiness, environmental engineering, chemistry and biology.
2. PLSS Elective – Electives from graduate level coursework in plant and soil science.
3. PLSS 5305 – Requires completion of a graduate research project write-up and oral examination.
# Plant and Soil Science, M.S. - Coursework Only Terminal Degree

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

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

---

**Department of Animal Science and Veterinary Technology**

**Contact Information**

**Chair:** William P. Kuvlesky, Jr.
**Phone:** 361-593-3376
**Email:** william.kuvlesky@tamuk.edu
**Building Name:** Human Sciences Building
**Room Number:** 101

The Department of Animal Science and Veterinary Technology offers Master of Science degrees in Animal Science and Ranch Management.

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.

**Faculty**

**Graduate Faculty**

Lukefahr, Steven Professor, Department of Animal Science and Veterinary Technology; Regents Professor; B.S., Texas A&I University; M.S., Oregon State University; Ph.D., Oregon State University.

Stanko, Randy L Professor, Department of Animal Science and Veterinary Technology; B.S., Colorado State University; M.S., Texas A&M University; Ph.D., North Carolina State University.
**Associate Member**

Bell, Natasha  
Assistant Professor, Department of Animal Science and Veterinary Technology; B.S., Texas A&M University; M.S., Stephen F. Austin University; Ph.D., Texas A&M University.

Machado, Tanner  
Associate Professor, Department of Animal Science and Veterinary Technology; B.S., Colorado State University; M.S., Colorado State University; Ph.D., South Dakota State University.

Machen, Richard  
Professor, Department of Animal Science and Veterinary Technology; Paul Genho Endowed Chair in Ranch Management, King Ranch Institute for Ranch Management; B.S., Angelo State University; M.S., Texas A&M University; Ph.D., Texas A&M University.

**Courses**

### Animal Science (ANSC)

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<td>International Animal Agri</td>
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<tr>
<td>ANSC 5336</td>
<td>Envir Physiology of Animals</td>
<td>3 SCH</td>
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<tr>
<td>ANSC 5337</td>
<td>Ruminant Nutrition and Physiol</td>
<td>3 SCH</td>
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<td>ANSC 5338</td>
<td>Monogastric Nutrition</td>
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<td>ANSC 5351</td>
<td>Advn Range Livestock Productn</td>
<td>3 SCH</td>
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<tr>
<td>ANSC 5390</td>
<td>Advanced Studies in Animal Sci</td>
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<tr>
<td>ANSC 5395</td>
<td>Advanced Probs in Animal Sci</td>
<td>1-3 SCH</td>
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<tr>
<td>ANSC 5399</td>
<td>Research Topics</td>
<td>1-9 SCH</td>
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### Ranch Management (RAMT)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tr>
<td>RAMT 5305</td>
<td>Graduate Research Project</td>
<td>3 SCH</td>
<td>3</td>
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<tr>
<td>RAMT 5306</td>
<td>Thesis</td>
<td>3 SCH</td>
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RAMT 5350 Practicum in Ranch Management 3 SCH (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 system approach.

RAMT 5351 Sys Apprch Natrl Res Prblm Sol 3 SCH (3-0)
Concept of sysm dynamic s applied to solving natural resource management issues. Intensive application of system dynamics approaches and applied application to ranch and wildlife management and other disciples.

RAMT 5352 Advn Ranch Planning and Analys 3 SCH (3-0)
This course is an interdisciplinary approach to ranch management. It will include: finance, managerial accounting, management information systems, and natural resource monitoring.

RAMT 5390 TOP: Adv Studies in Ranch Mgt 1-3 SCH (1-3-0)
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.

RAMT 5695 Advanced Problems in Ranch Mgt 3-6 SCH (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 a faculty member who will supervise the problem.

Degree Requirements
Potential graduate students are advised to write the department for current information on program 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 completion of the proposal and a 2nd section of 5306 upon the completion of the thesis). A non-thesis option for the MS degree can be earned by students in Animal Science graduate program with successful completion of minimum of 36 hours of formal coursework. 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 student; however, research hours do not count toward formal course work hours.

Animal Science, M.S.
A non-thesis option for an 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.

Department of Human Sciences

Contact Information
Chair: William P. Kuvlesky, Jr.
Phone: 361-593-2307
Email: william.kuvlesky@tamuk.edu
Building Name: Support Services Building
Room Number: 116

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
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.

Faculty

Graduate Faculty

Li, Yi Assistant Professor, Department of Human Sciences; B.S., Wuhan University (China); M.S., York University (Canada); Ph.D., Case Western Reserve University.

Oblad, Timothy Assistant Professor, Department of Human Sciences; B.S., Brigham Young University; M.S., Texas Tech University; Ph.D., Texas Tech University.

Rees, Kathleen L Professor, Department of Human Sciences; Regents Professor; B.S., Texas A&I University; M.S., Auburn University; Ph.D., The University of Tennessee.

Emeritus

Van Buren, Janis Professor of Human Sciences, Department of Human Sciences; B.S., Iowa State University; M.S., Iowa State University; Ph.D., Iowa State University.

Courses

Human Sciences (HSCI)

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

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

HSCI 5310 Problems in Human Sciences 1-3 SCH (1-3)
Guided independent study in one of the program areas in human sciences. Prerequisite: consent of department chair.

HSCI 5320 Theories of Human Devel 3 SCH (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.

HSCI 5321 Family Life Education 3 SCH (3-0)
General philosophy and broad principles of family life and parenthood education, emphasizing planning, developing, implementing and evaluating such programs.

HSCI 5322 Socioeconomic Probs of Fam 3 SCH (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.

HSCI 5323 Aging and the Family 3 SCH (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.

HSCI 5350 Issues in Food and Nutr Sci 3 SCH (3-0)
Current trends and issues in human nutrition, focusing on interrelationships of nutrients in metabolism and their impact on health.

HSCI 5351 Nutrition and Aging 3 SCH (3-0)
Study of the aging process and physiological changes with implications for food intake and utilization of nutrients.

HSCI 5352 Nutritional Care Mgmt I 3 SCH (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.

HSCI 5353 Nutritional Care Mgmt II 3 SCH (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.
HSCI 5390  T: Adv Topics Human Sciences  3 SCH (3-0)
Detailed study of one or more specific sub-disciplines of human sciences. Course may be repeated for credit when topic changes.

HSCI 5650  Prac in Nutr Care Mgt I and II  3-6 SCH (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.

Degree Requirements
Human Sciences, M.S.
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.

Department of Rangeland and Wildlife Sciences
Contact Information
Chair: Scott E. Henke
Phone: 361-593-2188
Email: scott.henke@tamuk.edu
Building Name: Kleberg Agriculture Building
Room Number: 133

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

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.

Faculty
Graduate Faculty
Bryant, Fred C  Professor, Department of Rangelange and Wildlife Science; Director of Development, Caesar Kleberg Wildlife Research Institute; B.S., Texas Tech University; M.S., Utah State University; Ph.D., Texas A&M University.

Fulbright, Timothy  Professor, Department of Rangelange and Wildlife Science; Endowed Meadows Professorship in Semi-arid Land Ecology, Casear Kleberg Wildlife Research Institute; Regents Professor; B.S., Abilene Christian University; M.S., Abilene Christian University; Ph.D., Colorado State University.

Courses
Range and Wildlife Management (RWSC)
RWSC 5305  Graduate Research Project  3 SCH (3)
Designed for project option students and requires completion of research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.
RWSC 5306  Thesis  3 SCH  (3)
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for maximum of 6 semester hours.

RWSC 5390  Adv Studies Range/Wildlife Mgt  1-3 SCH  (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.

RWSC 5399  Research Topics  1-9 SCH  (1-9)
This course is specifically designed for Plan I students. Required during the research, data analysis, and initial writing stage. Grading for the course will be S for satisfactory or U for unsatisfactory.

Degree Requirements
Range and Wildlife Management, M.S.
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 WSCI 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 Rangeland and Wildlife Sciences graduate program is not typical for this program and would require exception and prior approval from the Department Chair 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.

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; Criminology; Cultural Studies; Music (Music Education, Music Performance, and Conducting); Nutrition; Petrophysics; Psychology (Counseling Psychology and General Psychology); Social Work; Sociology; and Statistical Analytics, Computing and Modeling. Supporting fields and resource areas are available in all these fields as well as in Communications, English, French, Geology, History, Math, Physics, Political Science, Spanish, and Theatre Arts.

Department of Art, Communications and Theatre
Contact Information
Chair: Todd Lucas
Phone: 361-593-3401
Email: todd.lucas@tamuk.edu
Building Name: Speech Building
Room Number: 174

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.

Faculty
Emeritus
Deacon, David Professor of Communications and Theatre Arts, Department of Art, Communications, and Theatre; B.A., Earlham College; M.F.A., Boston University; Ph.D., Ohio University.
Renfrow, William Professor of Art, Department of Art, Communications, and Theatre; B.F.A., The Kansas City Art Institute; M.F.A., The Kansas City Art Institute.
Schmidt, Maurice Professor of Art, Department of Art, Communications, and Theatre; B.F.A., The University of Texas at Austin; M.F.A., Cranbrook Academy of Art.
Courses

Art (ARTS)

**ARTS 5300** Graduate Drawing 3 SCH (2-4)
The development and execution of advanced problems in drawing. May be repeated for credit.
Fee: $20.00

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

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

**ARTS 5310** Graduate Painting 3 SCH (2-4)
The development and execution of advanced problems in painting. May be repeated for credit.
Fee: $20.00

**ARTS 5320** Graduate Sculpture 3 SCH (2-4)
The development and execution of advanced problems in sculpture. May be repeated for credit.
Fee: $20.00

**ARTS 5330** Graduate Printmaking 3 SCH (2-4)
The development and execution of advanced problems in printmaking. May be repeated for credit.
Fee: $20.00

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

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

**ARTS 5340** Graduate Ceramics 3 SCH (2-4)
The development and execution of advanced problems in ceramics. May be repeated for credit.
Fee: $20.00

Journalism (COMJ)

**COMJ 5302** Hispanics in the Media 3 SCH (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.

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

**COMJ 5304** Mass Communications Research 3 SCH (3)
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.

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

**COMJ 5320** Public Relations & Crisis Mgmt 3 SCH (3-0)
Public relations, crisis management, reaching major audiences, emergency communications, and problem solving. Theoretical basis for public relations; relevant laws and ethical principals.

Speech (COMS)

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

**COMS 5303** Res in Speech and Thea Arts 3 SCH (0-3)
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)
THEA 5315  Advncd Studies in Theatre Arts  3 SCH (3-0)
Studies in such areas of theater arts as dramatic procedure, translation and theory. May be repeated once for credit as topics change.

Department of Biological and Health Sciences

Contact Information
Chair: Enrique Massa
Phone: 361-593-3803
Email: enrique.massa@tamuk.edu
Building Name: Biological and Health Sciences Building
Room Number: 101

The Department of Biological and Health Sciences offers a Master of Science degree in Biology.

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.

Faculty

Graduate Faculty
Bohm, Rudolf  Assistant Professor, Department of Biological and Health Sciences; B.S., The University of Texas at Austin; Ph.D., The University of Texas at Austin.

Massa, Enrique  Associate Professor, Department of Biological and Health Sciences; Chair; B.S., Pan American University; M.S., University of Michigan; Ph.D., University of Michigan.

Perez-Ballestero, Rafael  Professor, Department of Biological and Health Sciences; B.S., Universidad Autónoma de Madrid; M.S., University of Michigan; Ph.D., University of Michigan.

Perrigo, Glenn H  Professor, Department of Biological and Health Sciences; B.S., State University College, Brockport; Ph.D., The University of Texas at Austin.

Powell, Randy  Associate Professor, Department of Biological and Health Sciences; B.S., Logan College of Chiropractic; D.C., Logan College of Chiropractic; B.S., Southern Illinois University at Carbondale; M.S., Southern Illinois University at Carbondale; Ph.D., The University of Texas at El Paso.

Sung, Chang K  Assistant Professor, Department of Biological and Health Sciences; B.S., Yeungnam University (South Korea); M.S., Illinois Institute of Technology; Ph.D., University of Illinois.

Xi, Weimin  Associate Professor, Department of Biological and Health Sciences; B.S., Capital Normal University (China); M.S., Southwest University (China); Ph.D., University of North Carolina at Chapel Hill.

Associate Member
He, Fang  Assistant Professor, Department of Biological and Health Sciences; B.S., Jiangxi Institute of Education (China); M.S., Nanjing University (China); Ph.D., Louisiana State University.

Kim, Haeyoung  Assistant Professor, Department of Biological and Health Sciences; B.A., Chonnam National University (South Korea); M.A., Chonnam National University (South Korea).

Laughlin, Richard  Assistant Professor, Department of Biological and Health Sciences; B.S., Stetson University; Ph.D., Clemson University.

Velez-Hernandez, Maria  Assistant Professor, Department of Biological and Health Sciences; B.S., University of Puerto Rico at Mayaguez (Puerto Rico); Ph.D., University of Puerto Rico at Mayaguez (Puerto Rico).

Emeritus
Peacock, J. Talmer  Professor of Biology, Department of Biological and Health Sciences; B.S., Maryville College; M.S., University of Alabama; Ph.D., The University of Texas at Austin.

Perez, John  Professor of Biological and Health Sciences, Department of Biological and Health Sciences; Regents Professor; B.S., University of Utah; M.A., Mankato State College; Ph.D., Utah State University.
Wood, Carl Professor of Biology, Department of Biological and Health Sciences; B.S., Texas A&M University; M.S., Texas A&M University; Ph.D., Texas A&M University.

Courses

Biology (BIOL)

BIOL 5102 Research Problems I 1 SCH (0-1)
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.

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

BIOL 5202 Research Problems II 2 SCH (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.

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

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

BIOL 5306 Thesis 3 SCH (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.

BIOL 5316 Advanced Biology Concepts 3 SCH (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.

BIOL 5320 Research Problems III 3 SCH (0-3)
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.

BIOL 5401 Molecular Biology 4 SCH (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.
Fee: $6.00

BIOL 5402 Advanced Topics in Biology 4 SCH (3-3)
 Lectures, literature, investigation and research at the graduate level in selected advanced topics. May be repeated for credit under different topics.
Fee: $6.00

Degree Requirements

Biology, M.S.

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.

Department of Chemistry

Contact Information

Chair: Christine Hahn
Phone: 361-593-2914
Email: christine.hahn@tamuk.edu
Building Name: Nierman Science Hall
Room Number: 100

The Department of Chemistry offers a Master of Science degree.
Faculty

Graduate Faculty

Bhattacharya, Apurba Professor, Department of Chemistry; B.S., Calcutta University (India); M.S., Indian Institute of Technology (India); Ph.D., The University of Texas at Austin.

Castro, Mauro Professor, Department of Chemistry; Regents Professor; B.S., Texas A&I University; M.S., Texas A&I University; Ph.D., Texas A&M University.

Chi, Xiaoliu Professor, Department of Chemistry; B.S., East China University of Chemical Technology (China); M.S., East China University of Chemical Technology (China); M.S., Western Kentucky University; Ph.D., University of Kentucky.

Gonzalez-Garcia, Maribel Professor, Department of Chemistry; B.S., Universidad de Alcala de Henares (Spain); Ph.D., Universidad Autonoma de Madrid (Spain).

Hahn, Christine Associate Professor, Department of Chemistry; Chair; Bachelors, Carl Schorlemmer College of Technology (Germany); M.S., Martin Luther University Halle-Wittenberg (Germany); Ph.D., Martin Luther University Halle-Wittenberg (Germany).

Liu, Sajid Professor, Department of Chemistry; B.S., University of Wales (United Kingdom); M.A., State University of New York at Buffalo; Ph.D., The University of Warwick (United Kingdom).

Sanchez, Elda E Associate Professor, Department of Chemistry; B.S., Texas A&M University-Kingsville; M.S., Texas A&M University-Kingsville; Ph.D., Central University of Venezuela (Venezuela).

Associate Member

Francis, Kevin Assistant Professor, Department of Chemistry; B.S., Georgia State University; M.S., Georgia State University; Ph.D., Georgia State University.

Emeritus

Olivares, Alberto Professor of Chemistry, Department of Chemistry; B.S., Texas A&M University; Ph.D., Texas A&M University.

Courses

Chemistry (CHEM)

CHEM 5130 Graduate Chemistry Seminar 1 SCH (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.

CHEM 5300 Chemistry Graduate Practice 0 SCH (0-0)
The beginning graduate student must complete the Chemistry Graduate Practice online program, which enables incoming graduate students to complete chemistry entrance examinations to assist in degree plan selection. Entrance examinations will place students in the research option, project option, or course-only option. Students placed in the research option will select a research professor, complete appropriate online safety training courses, and fill out scholarship application(s).

CHEM 5301 Advanced Chemistry Instruments 3 SCH (2-4)
Principles and practices in design of instruments for research, analysis and process control. Prerequisite: CHEM 4401.
Fee: $5.00

CHEM 5303 Advanced Analytical Chem 3 SCH (3-0)
An advanced survey of principles of chemical analysis with emphasis on newer developments in the field of analytical chemistry. Prerequisite: CHEM 4401.

CHEM 5305 Project Research 3 SCH (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.

CHEM 5306 Thesis Research 3 SCH (3)
Designed for students on a thesis research degree plan. Requires completion of a thesis project in two semesters of research activity. May be repeated for a maximum of 6 semester hours. Prerequisite: Departmental approval.

CHEM 5308 Chem/Biochem Analysis 3 SCH (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.
CHEM 5311 Structural Inorganic Chem 3 SCH (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.

CHEM 5312 Coordination Chem & Catalysis 3 SCH (3-0)
Coordination chemistry is the study of compounds formed between metal ions and other neutral or negatively charged molecules. Aspects covered relate to characterization, synthesis, structure and chemical analysis of coordinated materials used in catalysis. Topics include: Introduction to chemical catalysis, kinetics, reaction theory, catalyst characterization, solid catalysts, surface reactivity and catalysis in practice with an emphasis on energy. With instructor approval. Course credit can be obtained for either CHEM 4312 or CHEM 5312 if both are taken.

CHEM 5313 Chemistry and Nanoscience 3 SCH (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 influence on physical mechanism, and appropriate applications such as solar devices, fuel cells or biomedical agents. Prerequisite: Departmental Approval.

CHEM 5323 Advanced Organic Chemistry 3 SCH (3-0)
An advanced treatment of organic chemistry including a study of both cyclic and acyclic compounds. Prerequisites: CHEM 3323/3123 and CHEM 3325/3125.

CHEM 5324 Designing Organic Syntheses 3 SCH (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.

CHEM 5325 Chemistry of Natural Products 3 SCH (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.

CHEM 5326 Heterocyclic Chemistry 3 SCH (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.

CHEM 5327 Advanced Organic Synthesis 3 SCH (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.

CHEM 5328 Physical Organic Chemistry 3 SCH (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.

CHEM 5329 Asymmetric Synthesis 3 SCH (3)
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.

CHEM 5331 Advanced Physical Chemistry 3 SCH (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.

CHEM 5333 Bioinformatics 3 SCH (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.

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

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

CHEM 5343 Forensic Chemistry 3 SCH (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.

CHEM 5344 Polymer Chemistry 3 SCH (3-0)
Newer concepts in polymer science pertaining to basic polymer theory: synthesis approaches using click chemistries, advantages and limitations of such, common acid/base synthetic approaches, and application of polymeric materials. Advantages of using green chemistry reagents that introduce no hazardous by-products. Prerequisites: CHEM 3323 and CHEM 3325. Credit may not be obtained in both CHEM 5344 and CHEM 4344. Departmental approval if lacking CHEM 3323, CHEM 3325 or equivalent experience.
CHEM 5351  Enviromental Chemistry  3 SCH (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.

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

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

CHEM 5412  Special Topics in Chemistry  1-4 SCH (1-4-0)
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. Fee: $5.00

Degree Requirements
Chemistry, M.S.

Requirements for admission are:

1. A grade point average of 3.0 on a 4.0 scale and a satisfactory score on the GRE Aptitude Test;
2. 20 hours of approved undergraduate chemistry, including 12 advanced;
3. 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.

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 Biochemistry.

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<td>CHEM 5341</td>
<td>Biochem Analysis of Proteins</td>
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</table>

Department of Clinical Health Sciences

Contact Information

Chair: Joseph Jones
Phone: 361-593-3428
Email: Joseph.Jones@tamuk.edu
Building Name: Music Building
Room Number: 124

Communication Sciences and Disorders (CSDO)

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.

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.

Social Work (SCWK)
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 900 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 Texas; 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.

Faculty
Graduate Faculty
Oller, Stephen Professor, Department of Clinical Health Sciences; B.S., University of Louisiana at Lafayette; Ph.D., University of Louisiana at Lafayette.

Swartz, Eric Associate Professor, Department of Clinical Health Sciences; B.S., University of Nebraska; M.A., University of Northern Colorado; Ph.D., Bowling Green State University.

Associate Member
Faulkner, Samuel Associate Professor, Department of Clinical Health Sciences; B.A., Texas A&M University-Corpus Christi; M.S., Texas A&M University-Corpus Christi; M.S.S.W., University of Texas at Arlington; Ph.D., University of Texas at Arlington.

Fiestas, Christine Assistant Professor, Department of Clinical Health Sciences; B.A., The University of Vermont; M.A., The University of Texas at Austin; Ph.D., The University of Texas at Austin.

Gilkey, So'Nia Associate Professor, Department of Clinical Health Sciences; B.A., Alcorn State University; M.S.W., Clark Atlanta University; Ph.D., University of Pittsburgh.

Hernandez-Perez, Lydia Assistant Professor, Department of Clinical Health Sciences; B.S., Texas A&M University; M.S., Texas A&M University-Kingsville.

Krestar, Maura Assistant Professor, Department of Clinical Health Sciences; B.A., Mercyhurst University; M.A., Cleveland State University; Ph.D., Cleveland State University.

Seitel, Alan Associate Professor of Practice, Department of Clinical Health Sciences; B.A., State University of New York at Albany; M.A., University of Florida; Ph.D., The University of Texas at Austin.

Sunil, Lakshmi Assistant Professor, Department of Clinical Health Sciences; B.S., Chandrasekhar Institute of Speech and Hearing (India); M.S., East Carolina University; Ph.D., East Carolina University.

Villa, Robert Associate Professor, Department of Clinical Health Sciences; B.A., New Mexico Highlands University; Ph.D., University of Utah.

Young, Teresa Assistant Professor, Department of Clinical Health Sciences; B.S.W., The University of North Alabama; M.S.W., The University of Alabama; Ph.D., The University of Alabama.
Courses

Communication Sciences and Disorders (CSDO)

CSDO 5301 Res in Comm Sci and Disorders 3 SCH (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.

CSDO 5302 Orofacial Pathologies 3 SCH (3-0)
The study of cleft palate and other orofacial anomalies and pathologies of speech, language, voice and hearing disorders. Diagnosis and treatment of disorders of speech due to deviations in the dental, skeletal and muscular systems. Dysphagia issues will also be addressed. Prerequisite: permission of instructor/graduate standing.

CSDO 5303 Motor Speech Disorders 3 SCH (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.

CSDO 5304 Voice Disorders 3 SCH (3-0)
The study of the etiology, diagnosis and treatment of voice disorders and alaryngeal speech. Prerequisite: permission of instructor/graduate standing.

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

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

CSDO 5307 Diagnostics 3 SCH (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.

CSDO 5308 Neurogenic Lang & Cognitive 3 SCH (3-0)
Etiology, symptoms assessment and therapeutic techniques for effective treatment of neurologically based language and cognitive disorders including aphasia, right hemisphere disorders, and dementia.

CSDO 5309 Fluency Disorders 3 SCH (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.

CSDO 5311 Graduate Clinical Practicum 3 SCH (0-3)
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. Prerequisite: permission of instructor/graduate standing and completion of a minimum of 25 observation hours. Credit/Noncredit. Fee: $5.00

CSDO 5312 Contemporary Issues 3 SCH (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.

CSDO 5314 Aural Rehab and Habilitation 3 SCH (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.

CSDO 5315 Advanced Audiology 3 SCH (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.

CSDO 5316 Dysphagia 3 SCH (3-0)
The study of oral-pharyngeal swallowing disorders, including anatomical and physiological basis for swallowing disorders, assessment and treatment. Prerequisite: permission of instructor.

CSDO 5317 Advanced Clinical Practicum 3 SCH (0-3)
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. Fee: $5.00

CSDO 5318 Articulat and Phonolog Disordr 3 SCH (3-0)
An advanced course in the study of phonology; the sound system of language, including pauses and stress. Prerequisite: permission of instructor.
CSDO 5320  Child Language Disorders  3 SCH (3-0)
Advanced study in the assessment of, and intervention for, childhood language disorders. Prerequisite: permission of instructor.

CSDO 5322  Neuroscience in Comm Disorders  3 SCH (3-0)
The study of neuroanatomy and neurophysiology and its relation to speech, language, hearing and their disorders. Prerequisite: permission of instructor.

CSDO 5324  Ind Stu Com Sci and Disorders  1-3 SCH (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.

CSDO 5326  Advanced Clinical Methods  3 SCH (0-3)
Clinical techniques and strategies for teaching appropriate communicative behaviors. Specific therapy techniques for a wide range of communication disorders.

CSDO 5328  Beginning Practicum Externship  1-3 SCH (0-1-3)
Field Placement. Assessment and management of clients with speech, language and hearing disorders for graduate students with no previous externship experience. Location will be at an externship site under the supervision of ASHA certified supervisors. Prerequisites: 3.0 graduate GPA, completion of 50 on-campus clinical contact hours and permission of instructor. Credit/Noncredit.

CSDO 5329  Advanced Practicum Externship  3 SCH (0-3)
Advanced Field Placement for students with at least 150 hours of supervised clinical practice at the TAMUK clinic and at least one external practicum site affiliated with TAMUK. 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. Prerequisite: 3.0 graduate GPA, successful completion of CSDO 5328, completion of 150 clinical contact hours and permission of the instructor. Credit/Noncredit.

CSDO 5330  Bil and Bicult Issues in CSDO  3 SCH (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. Prerequisite: permission of instructor/graduate standing.

CSDO 5405  Aural Rehab & Adv Audiology  4 SCH (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.

CSDO 5410  Voice and Resonance Disorders  4 SCH (4-0)
The study of the etiology, diagnosis and treatment of disorders of voice and resonance. Prerequisite: permission of instructor/graduate standing.

Social Work (SCWK)

SCWK 5215  Military/Veterans  2 SCH (2-0)
This applied seminar requires 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.

SCWK 5220  "Rurality" Social Work  2 SCH (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.

SCWK 5225  Intervention with Elders  2 SCH (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. Emphasis will be on the Mexican heritage elder and their family and the potential for misdiagnosis using the DSM V. 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.

SCWK 5230  Leadership & Supervision  2 SCH (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 environments. Students must complete this course with a 3.2 GPA or better.

SCWK 5235  Economic Policy & Development  2 SCH (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.
SCWK 5240  Integrated Field Project  2 SCH  (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.

SCWK 5310  Foundations of Social Work  3 SCH  (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 to culture/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.

SCWK 5315  Population Health I  3 SCH  (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 ecosystems 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.

SCWK 5320  Social Policy  3 SCH  (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 the 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.

SCWK 5326  Practice I  3 SCH  (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 and intervention skills based on a systems perspective of the 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, and SCWK 5320.

SCWK 5330  Populations at Risk  3 SCH  (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 dominant 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.

SCWK 5335  Practice II  3 SCH  (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. Pre-requisite: SCWK 5310; SCWK 5315; SCWK 5320; SCWK 5326.

SCWK 5340  Applied Research  3 SCH  (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.

SCWK 5346  Capstone Seminar  3 SCH  (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.
SCWK 5350 Field Practicum I 3 SCH (3-0)
First in a sequence of two field practicums. Educationally directed and professionally supervised direct 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-requisite: SCWK 5310; SCWK 5315; SCWK 5320; SCWK 5326.

SCWK 5356 Field Practicum II 3 SCH (0-3)
The second in a sequence of two field practicums. Educationally directed and professionally supervised direct service activities builds on skills and practical experience in the 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.

SCWK 5360 C/A Practice I 3 SCH (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 5364.

SCWK 5364 C/A Practice II 3 SCH (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 is 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.

SCWK 5370 C/A Practice III 3 SCH (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.

SCWK 5375 C/A Evaluation 3 SCH (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.

SCWK 5380 Field Practicum III 3 SCH (3)
First in a sequence of two advance 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.

SCWK 5385 Field Practicum IV 3 SCH (3-0)
Educationally directed and professionally 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 is required in order to proceed to the next sequence of required courses. Pre-requisite: permission from the Field Education Coordinator.
Degree Requirements

Communication Sciences and Disorders, M.S.

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.

Social Work, M.S.W. - Regular Track

Foundation Year

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<td>SCWK 5330</td>
<td>Populations at Risk</td>
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Social Work, M.S.W. - Advanced Standing Track

- Year 2: Advanced Curriculum: Concentration in Clinical Activist Social Work Summer

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Department of History, Political Science and Philosophy

Contact Information
Chair: Jeffrey Glick  
Phone: 361-593-3501  
Email: Jeffrey.Glick@tamuk.edu  
Building Name: Rhode Hall  
Room Number: 330

History and Political Science graduate classes are offered as needed for concentrations in the Master of Science in Education degree offered by the College of Education and Human Performance.

Faculty
Graduate Faculty
Rodriguez, Alberto  Assistant Professor, Department of History, Political Science, and Philosophy; B.A., The University of Texas-Pan American; M.A., The University of Texas-Pan American; Ph.D., University of Houston.

Associate Member
Braidwood, Travis  Assistant Professor, Department of History, Political Science, and Philosophy; B.A., University of West Florida; M.S., Florida State University; Ph.D, Florida State University.

Cooke, Barbara  Assistant Professor, Department of History, Political Science, and Philosophy; B.A., University of California; M.A., University of London (United Kingdom); M.Phil., University of Cambridge (United Kingdom); Ph.D., University of Cambridge.

Emeritus
Albro, III, Ward  Professor of History, Department of History, Political Science, and Philosophy; B.S., University of Houston; M.A., University of Houston; Ph.D., University of Arizona.

Chandler, Billy  Professor of History, Department of History, Political Science, and Philosophy; B.S., Austin Peay State University; M.A., Texas A&I University; Ph.D., University of Florida.

Davis, Jr., Sonny  Professor, Department of History, Political Science, and Philosophy; B.A., Southeastern Oklahoma State University; M.B.S., Southeastern Oklahoma State University; Ph.D., University of New Mexico.

Hartwig, Richard  Professor, Department of History, Political Science, and Philosophy; B.A., Southern Illinois University at Carbondale; M.A., University of Wisconsin-Madison; Ph.D., University of Wisconsin-Madison.

Hunter, Leslie  Regents Professor of History, Department of History, Political Science, and Philosophy; B.A., University of Arizona; M.A., University of Arizona; Ph.D., University of Arizona.

Phaup, Jimmie  Professor of Political Science, Department of History, Political Science, and Philosophy; B.A., University of New Mexico; M.A., University of Arizona; Ph.D., University of Arizona.

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

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

HIST 5312  Topics in European History  3 SCH (0-3)  
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.
HIST 5320  Topics in Non Western Hist  3 SCH (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.

HIST 5330  Topics in American History  3 SCH (0-3)
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.

HIST 5346  Topics in Texas History  3 SCH (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.

HIST 5350  Topics Latin Amer History  3 SCH (0-3)
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.

HIST 5365  Advanced Topics in History  1-3 SCH (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.)

HIST 5370  Advance Problems in History  1-3 SCH (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)

POLs 5300  Advance Topics in Polit Sci  1-3 SCH (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.)

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

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

POLs 5310  Topics in Amer Politics  3 SCH (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.

POLs 5320  Topics in Political Theory  3 SCH (0-3)
Selected topics in ancient, medieval, modern and contemporary political theory. May be repeated for credit when the topic of study changes.

POLs 5340  Topics in Comp and Intnl Polit  3 SCH (3-0)
Selected topics in comparative politics, international relations, foreign policy, international organization and international law. May be repeated for credit when topic changes.

POLs 5360  Tops in Pub Adm and Pub Policy  3 SCH (0-3)
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.

POLs 5380  Advanced Probs in Polit Sci  1-3 SCH (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

Contact Information

Chair: Michelle Johnson-Vela
Phone: 361-593-4062
Email: Michelle.Johnson-Vela@tamuk.edu
Building Name: Sam Fore Hall
Room Number: 110

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.

Faculty

Graduate Faculty

Johnson Vela, Michelle  Associate Professor, Department of Language and Literature; Chair; B.A., University of Virginia; M.A., Rice University; Ph.D., Indiana University.

Meyer, Craig A  Assistant Professor, Department of Language and Literature; B.S., Grand Valley State University; M.A., Missouri State University; Ph.D., Ohio University.

Paul, Ryan  Assistant Professor, Department of Language and Literature; B.A., University of Texas at Austin; M.A., Texas State University; Ph.D., University of Arizona.

Roberson, Susan  Professor, Department of Language and Literature; B.A., Baylor University; M.A., Texas A&M University; Ph.D., Texas A&M University.

Thomas, Jacqueline  Professor, Department of Language and Literature; Regents Professor; B.A., The University of Hull (United Kingdom); M.Ed., Texas A&M University; M.A., Texas A&I University; Ed.D., Texas A&I University.

Vela Cordova, Roberto J  Professor, Department of Language and Literature; B.A., Universidad del Sagrado Corazon (Puerto Rico); M.A., Indiana University; Ph.D., Indiana University.

Associate Member

Mukhopadhyay, Aniruddha  Assistant Professor, Department of Language and Literature; B.A., University of Calcutta (India); M.A., University of Calcutta (India); Ph.D., University of Florida.

Price, Kenneth  Assistant Professor, Department of Language and Literature; B.A., Angelo State University; M.A., Angelo State University; Ph.D., University of North Texas.

Wright, Pamela  Assistant Professor, Department of Language and Literature; B.A., University of Maine at Augusta; M.A., Valdosta State University.

Emeritus

Gunn, D. Wayne  Professor of English, Department of Language and Literature; B.A., Wake Forest College; M.A., University of North Carolina; Ph.D., University of North Carolina.

Sabrio, David  Professor of English, Department of Language and Literature; Regents Professor; B.A., Louisiana State University in New Orleans; M.A., University of South Carolina; Ph.D., University of South Carolina.

Smith, Julia  Professor of English, Department of Language and Literature; B.A., Our Lady of the Lake College; M.A., The University of Texas at Austin; Ph.D., The University of Texas at Austin.

Courses

Cultural Studies (CULS)

CULS 5300  Cultural Stds & Text Analysis  3 SCH (3-0)
Introduction to cultural studies and textual analysis.

CULS 5301  Methods Cultural Stds Theory  3 SCH (3-0)
The 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.

CULS 5302  Teaching Composition  3 SCH (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 1302, or Spanish for Heritage-Speakers.

CULS 5303  Cultural Histories of Rhetoric  3 SCH (3-0)
Study of world rhetorics including Western and Non-Western.

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

CULS 5310  South Texas Cultural Studies  3 SCH (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.
CULS 5311  Southwest Cultural Studies  3 SCH (3-0)
Study of a specific topic in cultural studies related to the Southwest region. May be repeated when a different topic is scheduled.

CULS 5312  Feminism Theory & Writing  3 SCH (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.

CULS 5320  Comparative Studies  3 SCH (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.

CULS 5330  Trans-Atlantic Film Studies  3 SCH (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.

CULS 5340  Pre, Colonial & Post Colonial  3 SCH (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.

CULS 5350  Sustainable Humanities  3 SCH (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.

CULS 5360  Spanish Peninsular Literature  3 SCH (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.

CULS 5365  Spanish American Literature  3 SCH (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.

CULS 5370  British Literature  3 SCH (3-0)
Study of an author, literary period or other specific topic in British literature. May be repeated when a different topic is scheduled.

CULS 5375  U. S. American Literature  3 SCH (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)

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

SPAN 5301  Research Methods  3 SCH (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.

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

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

SPAN 5310  Hispanic Feminist Theory  3 SCH (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.

SPAN 5311  Hispanic Film Studies  3 SCH (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.
## SPAN 5320  Topics in Span Peninsular Lit  3 SCH (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. Prerequisite: 12 semester hours of advanced Spanish.

## SPAN 5321  19th Cent Span Pen Novel  3 SCH (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.

## SPAN 5322  20th Cent Span Pen Novel  3 SCH (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.

## SPAN 5350  Hispanic Cultural Studies  3 SCH (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.

## SPAN 5360  Studies in Span-Amer Lit  3 SCH (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)

### ENGL 5300  Research Methods  3 SCH (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.

### ENGL 5301  Topics in Rhetoric and Comp  3 SCH (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.

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

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

### ENGL 5310  Topics in Linguistics  3 SCH (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.

### ENGL 5320  Topics in British Lit  3 SCH (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.

### ENGL 5360  Topics in American Lit  3 SCH (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.

### ENGL 5370  Spec Topic in Literature  3 SCH (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.

## Degree Requirements

### Cultural Studies, M.A.

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.

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<td>CULS 5301</td>
<td>Methods Cultural Stds Theory</td>
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Component Area II – Cross-Cultural Studies
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<td>CULS 5310</td>
<td>South Texas Cultural Studies</td>
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<td>CULS 5311</td>
<td>Southwest Cultural Studies</td>
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<tr>
<td>CULS 5312</td>
<td>Feminism Theory &amp; Writing</td>
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<td>CULS 5320</td>
<td>Comparative Studies</td>
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<td>CULS 5330</td>
<td>Trans-Atlantic Film Studies</td>
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<td>CULS 5340</td>
<td>Pre, Colonial &amp; Post Colonial</td>
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<td>CULS 5350</td>
<td>Sustainable Humanities</td>
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Component Area III – Text Analysis of Foundational Texts in Hispanic Studies

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<td>CULS 5365</td>
<td>Spanish American Literature</td>
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Component Area IV – Text Analysis of Foundations Texts in English Studies

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<td>CULS 5375</td>
<td>U. S. American Literature</td>
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The Department of Mathematics offers courses leading to the Master of Science degree in Statistical Analytics, Computing and Modeling (SACM). Graduate level courses may also serve to provide a supporting field for other majors.

Faculty

Graduate Faculty

Agarwal, Ravi P  Professor, Department of Mathematics; Chair; M.S., Agra University (India); Ph.D., Indian Institute of Technology (India).

Ahangar, Reza R  Professor, Department of Mathematics; B.S., Tehran University (Iran); M.S., The Catholic University of America; Ph.D., The Catholic University of America.

Hodis, Simona  Assistant Professor, Department of Mathematics; B.Sc., Universitatea A.I. Cuza (Romania); M.Sc., McMaster University (Canada); Ph.D., University of Western Ontario (Canada).

Singh, Sarjinder  Professor, Department of Mathematics; B.S., Punjab Agricultural University (India); M.S., Punjab Agricultural University (India); Ph.D., Punjab Agricultural University (India).

Associate Member

Muzheve, Michael T  Associate Professor, Department of Mathematics; B.S., University of Zimbabwe (Zimbabwe); M.Phil., University of Zimbabwe; M.S., Texas A&M University; Ph.D., Texas A&M University.

Sedory, Stephen A  Professor, Department of Mathematics; B.A., Luther College; M.S., Oklahoma State University; M.S., Oklahoma State University; Ph.D., Oklahoma State University.

Emeritus

Cecil, David  Professor of Mathematics, Department of Mathematics; B.A., Tulsa University; M.S., Oklahoma State University; Ph.D., Oklahoma State University.
# Courses

## Mathematics (MATH)

**MATH 5305** Graduate Research Project  
3 SCH (3)  
A Graduate Research Project must be completed and submitted to the Graduate Office for a grade to be assigned, otherwise IP notations are recorded. This course is specifically designed for Plan II and Plan III students. Prerequisite: departmental approval.

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

**MATH 5321** Real Analysis  
3 SCH (3-0)  
Lebesgue integration and Lebesgue measure. LP spaces. Differentiability properties of monotone functions.

**MATH 5323** Partial Differential EQ  
3 SCH (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.

**MATH 5340** Matrix Methods Linear Models  
3 SCH (3-0)  
Common matrix methods in statistical applications, including eigenvalues and eigenvectors; the Moore-Penrose inverse; matrix differentiation; the distribution of quadratics forms. Prerequisite: MATH 3340 or equivalents.

**MATH 5341** Abstract Algebraic Theories  
3 SCH (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.

**MATH 5360** Analytic Decision Theory  
3 SCH (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.

**MATH 5372** Adv Math for Physics and Eng I  
3 SCH (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.

**MATH 5373** Adv Math for Physics and EN II  
3 SCH (3-0)  
Infinite-dimensional vector spaces, Green's functions, variational problems, traveling waves and perturbation methods. Prerequisite: MATH 5372 or the equivalent.

**MATH 5374** Numerical Analysis  
3 SCH (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.

**MATH 5390** Advanced Topics in Math  
1-3 SCH (1-3)  
Different areas of advanced mathematics with emphasis on rigor, critical reasoning and the concept of proof. May be repeated as topic changes.

**MATH 5394** Spec Topics in Mathematics  
1-3 SCH (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. Laboratory fee, $5.

## Statistics (STAT)

**STAT 5331** Statistical Computing  
3 SCH (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.

**STAT 5332** Big Data and Computing  
3 SCH (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.

**STAT 5343** Applied Regression Analysis  
3 SCH (3-0)  
Multiple regression analysis, selecting the "best" regression equation, general model building, introductory linear models. Prerequisite: an advanced statistics course.

**STAT 5344** Predictive Analytics  
3 SCH (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.

**STAT 5345** Analysis of Research Data  
3 SCH (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.
STAT 5346  Design of Experiments  3 SCH (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.

STAT 5350  Probability for Analytics  3 SCH (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.

STAT 5351  Inferential Analytics  3 SCH (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.

STAT 5361  Multivariate Statistics  3 SCH (3-0)
An applied approach to multivariate data analysis and linear statistical models in research. Prerequisite: MATH 4341 and STAT 5344 or equivalents.

STAT 5362  Nonparametric Statistics  3 SCH (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.

STAT 5370  Survey Sampling Analytics  3 SCH (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.

STAT 5372  Model Assisted Survey Methods  3 SCH (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 5370
[requested] or equivalent.

STAT 5374  Survey Models Social Science  3 SCH (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:
PSYC/SOCI 3381.

STAT 5375  Operations Research  3 SCH (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,
queueing theory, decision analysis, and simulation. Prerequisite: Any introductory course in linear algebra.

STAT 5380  Survival Analysis  3 SCH (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. Prerequisite: STAT 5350 and STAT 5351 or equivalents.

STAT 5390  Advanced Topic in Statistics  3 SCH (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.
Fee: $5.00

Degree Requirements
Statistical Analytics, Computing and Modeling (SACM), M.S.
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.

Department of Music
Contact Information
Chair: Paul M. Hageman
Phone: 361-593-2803
Email: paul.hageman@tamuk.edu
Building Name: Bellamah Music Building
Room Number: 112

The Department of Music offers the Master of Music degree in Music Education, Performance, and Conducting. All students are required to take a graduate-level entrance examination to determine correct course placement. In addition to being admitted to the University, students intending to pursue the performance and conducting degrees must schedule and perform an entrance audition and interview to be considered for admission to the Department of Music. Students should contact the applied music professor or the ensemble director in their instrumental/vocal area to schedule the audition/interview. Music Education students must complete a research project (three credit hours) on a subject relating to their teaching area (Research Project Option). For students pursing Performance and Conducting degrees, the graduate research project will be in the format of a recital or concert. The option of a more comprehensive research paper is available in the format of a Graduate Thesis (Thesis Option).

Applied Music
The courses in applied music are designed to meet the requirements for students who see a Master of Music degree. Instruction at the graduate level is offered in the following areas.

- Composition
- Conducting
- Flute
- Oboe
- Basson
- Clarinet
- Saxophone
- French Horn
- Trumpet
- Trombone
- Euphonium
- Tuba
- Percussion
- Violin
- Viola
- Cello
- Double Bass
- Piano
- Voice
- Guitar

Catalog Numbers
The first of the four digits indicates the Graduate level (5-Graduate); the second digit (1, 2, 3, or 4) indicates the number of semester credit hours and the minimum of daily practice; the third digit (1, 2, 3, or 4) indicated the semester; the fourth digit is zero.

Students normal progress to the subsequent higher level each year. This progress form one level of applied music to another is dependent on approval by the jury held at the conclusion of each semester.

Faculty
Graduate Faculty

Hageman, Paul Professor, Department of Music; Chair; Regents Professor; B.A., Louisiana Tech University; M.M., University of Northern Colorado; D.A., University of Northern Colorado.

KingSanders, Nancy Professor, Department of Music; B.M., Southwest Texas State University; M.M., University of North Texas; D.M.A., University of Illinois at Urbana-Champaign.

Sanders, Gregory L Professor, Department of Music; Regents Professor; B.M., Arkansas State University; M.M., North Texas State University; D.M.A., University of North Texas.

Sholtis, Jennifer Professor, Department of Music; B.M., University of Arkansas; B.A., University of Arkansas; M.F.A., The University of Iowa; D.M.A., The University of Iowa.
Williams, Kenneth D Professor, Department of Music; B.M., University of Miami; M.M., University of South Florida; D.M.A., University of Miami.

Associate Member

Brou, Melinda A Associate Professor, Department of Music; B.M., Southwestern University; M.M., University of Colorado; D.M.A., The University of Texas at Austin.

Diaz, Oscar Professor, Department of Music; B.M., Texas A&M University-Kingsville; B.M., Texas A&M University-Kingsville; M.M., University of Northern Colorado; D.M.A., The University of Texas at Austin.

Fronckowiak, Ann Associate Professor, Department of Music; B.M., State University of New York College at Fredonia; M.M., Manhattan School of Music; D.M.A., The Ohio State University.

Janzen, Elizabeth Associate Professor, Department of Music; B.M., University of Toronto (Canada); M.M., Manhattan School of Music; D.M.A., Manhattan School of Music.

Jones, Scott A Assistant Professor, Department of Music; B.M., Grand Valley State University; M.M., Peabody Institute; M.M., University of Wisconsin-Milwaukee; D.M., Indiana University.

Kihle, Jason J Associate Professor, Department of Music; B.M., University of North Dakota; M.M., University of Northern Colorado; D.A., University of Northern Colorado.

Lopez-Salinas, Veronica Assistant Professor, Department of Music; B.M., Sam Houston State University; M.M., Sam Houston State University; D.M.A., Texas Tech University.

Millsap, Kyle Assistant Professor, Department of Music; B.M., Wichita State University; M.M., University of North Texas; D.M.A., The University of Memphis.

Reinhuber, Joachim Associate Professor, Department of Music; Bachelors, State School of Music (Germany); M.S., Rice University; D.M.A., The University of Texas at Austin.

Sanchez-Behar, Alexander Associate Professor, Department of Music; B.A., University of California, Berkley; M.M., Northwestern University; Ph.D., Florida State University.

Tu, Catherine Ming Assistant Professor, Department of Music; B.M., University of South Carolina; M.M.E., University of South Carolina; Ph.D., University of Miami.

Courses

Music (MUSI)

MUSI 5120 Wind Symphony 1 SCH (0-4)
Highest level of musicianship are demonstrated through performance of respected wind band literature. Prerequisite: Audition.

MUSI 5123 Symphony Orchestra 1 SCH (0-3)
Highest levels of musicianship demonstrated through performance of respected orchestral literature. Prerequisite: Audition.

MUSI 5130 Jazz Combo 1 SCH (0-3)
Jazz music in the small ensemble setting. Experience in improvisation by arranging, rehearsing and performing jazz music as a combo. Prerequisite. Audition.

MUSI 5131 Jazz Band I 1 SCH (0-3)
The premiere instrumental jazz performance ensemble, Jass Band I performs the highest level of jazz literature stressing improvisation and various styles of jazz. Prerequisite: Audition.

MUSI 5132 Chamber Music 1 SCH (0-3)
The study, preparation and performance of small-ensemble music in like-instrument groupings, mixed-instrument ensembles, and vocal ensembles.

MUSI 5141 Choir 1 SCH (0-4)
Required of all voice majors. Study and performance of choral literature from the Renaissance to the present.

MUSI 5151 Singers 1 SCH (0-3)
A select small mixed ensemble which performs music especially written for a vocal chamber group. Open by audition to all students.

MUSI 5157 Opera Workshop 1 SCH (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.
MUSI 5301 Intro to Research in Music 3 SCH (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.

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

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

MUSI 5309 Musicology Seminar 1-3 SCH (1-3)
Selected topics in music literature or theory. May be repeated when the topic of study changes.

MUSI 5310 Vocal Literature 3 SCH (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.

MUSI 5311 Choral Literature 3 SCH (3)
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.

MUSI 5312 Hist and Lit of Wind Band 3 SCH (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.

MUSI 5316 Advanced Percussion Techniques 3 SCH (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.

MUSI 5318 Advanced Analysis 3 SCH (3-0)
Techniques of analysis and their applications to sonata, rondo, fugue, variation and related forms and procedures. Prerequisite: MUSI 4318.

MUSI 5350 Music Technology 3 SCH (3-0)
General introduction to current computer and audio technologies and their uses in the music classroom. Music Graphics, Audio Editing, MIDI (Musical Digital Interface), Multi-media CAI (Computer Assisted Instruction) and Audio/Video Internet applications.

MUSI 5368 Advanced Woodwind Techniques 3 SCH (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.

MUSI 5370 Vocal Pedagogy 3 SCH (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.

MUSI 5371 Intro to Dalcroze Eurhythmics 3 SCH (3-0)
Study of Eurhythmics as developed by Emile Jacques-Dalcroze in a practical laboratory setting, combining pedagogy and experience with lesson plan design.

MUSI 5372 Intro to Kodaly Method 3 SCH (3-0)
Basic techniques, strategies and materials associated with the Kodaly Method. Examine goals and processes of Kodaly Method related to singing, movement, inner hearing and music literacy.

MUSI 5373 Orff Schulwerk Lvl I Pedagogy 3 SCH (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.

MUSI 5374 Orff Schulwerk Lvl II Pedagogy 3 SCH (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 5373 and one year’s teaching experience in Orff Schulwerk.

MUSI 5376 Advanced Brass Techniques 3 SCH (3-0)
Pedagogical practices and materials for teaching brass instruments, acoustical properties, care and maintenance of the brasses.

MUSI 5379 Piano Pedagogy 3 SCH (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.
MUSI 5380 Adv. Instrumental Techniques  3 SCH (3-0)
Instructional and curricular issues in the field of instrumental music education. Topics include the role of the conductor-educator, effective rehearsal methods, comprehensive musicianship, instrument-specific pedagogy, cooperative learning strategies, one-to-one teaching, teaching practice skills, instrumental learning in popular music ensembles, and incorporating digital media in instrumental music education.

MUSI 5384 Advanced Choral Techniques  3 SCH (3-0)
Instructional and curricular issues in the field of choral conducting. Topics include score study, historical performance practice, effective rehearsal methods for various levels of ensembles, teaching practice skills including the incorporation of technology-based learning tools, techniques for working with instrumental ensembles, and incorporating movement in learning.

MUSI 5390 Marching Band Techniques  1-3 SCH (1-3)
Planning and charting football shows, rehearsal problems and equipment.

MUSI 5392 Music Education Seminar  1-3 SCH (1-3-0)
Selected topics in music education. May be repeated when topic of study changes.

MUSI 5394 Foundations of Music Educ  3 SCH (3-0)
History, philosophy and sociology of music education and the aesthetics of music.

MUSI 5397 Advanced Score Reading  3 SCH (3-0)
Advanced study and analysis of music scores in the wind band repertory. Emphasis on identifying core components of pieces in a range of styles and on the development of skills for realizing wind band scores at the piano.

MUSI 5398 Advanced Conducting  3 SCH (3-0)
Baton techniques and critical examination of scores; rehearsal and interpretive problems. Prerequisite: MUSI 3196.

## Degree Requirements

### Music Education, M.M.

#### Core Curriculum

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MUSI 5301</td>
<td>Intro to Research in Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5305</td>
<td>Graduate Research Project</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5309</td>
<td>Musicology Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5318</td>
<td>Advanced Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5350</td>
<td>Music Technology</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5394</td>
<td>Foundations of Music Educ</td>
<td>3</td>
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Total Semester Credit Hours 18

#### Secondary Music Education Specialization-Instrumental

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MUSI 5312</td>
<td>Hist and Lit of Wind Band</td>
<td>3</td>
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<tr>
<td>MUSI 5316</td>
<td>Advanced Percussion Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5368</td>
<td>Advanced Woodwind Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5376</td>
<td>Advanced Brass Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5398</td>
<td>Advanced Conducting</td>
<td>3</td>
</tr>
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</table>

Select one of the following: 3

- MUSI 5390 Marching Band Techniques
- MUSA 5XXX Applied Lessons

Total Semester Credit Hours 18
### Secondary Music Education Specialization-Vocal

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MUSI 5310</td>
<td>Vocal Literature</td>
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<td>MUSI 5311</td>
<td>Choral Literature</td>
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<tr>
<td>MUSI 5370</td>
<td>Vocal Pedagogy</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5371</td>
<td>Intro to Dalcroze Eurhythmics</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5398</td>
<td>Advanced Conducting</td>
<td>3</td>
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<td>MUSA 5XXX</td>
<td>Applied Lessons</td>
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### Elementary Music Education Specialization

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<tr>
<td>MUSI 5371</td>
<td>Intro to Dalcroze Eurhythmics</td>
<td>3</td>
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<tr>
<td>MUSI 5372</td>
<td>Intro to Kodaly Method</td>
<td>3</td>
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<tr>
<td>MUSI 5373</td>
<td>Orff Schulwerk Lvl I Pedagogy</td>
<td>3</td>
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<tr>
<td>MUSI 5374</td>
<td>Orff Schulwerk Lvl II Pedagogy</td>
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<tr>
<td>EDED 5XXX</td>
<td>(two courses)</td>
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### Performance, M.M.

#### Core Courses

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<tr>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MUSI 5301</td>
<td>Intro to Research in Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5305</td>
<td>Graduate Research Project</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5309</td>
<td>Musicology Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 5318</td>
<td>Advanced Analysis</td>
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### Specialization-Instrumental

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<tr>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MUSA 53XX</td>
<td>Applied Lessons</td>
<td>12</td>
</tr>
<tr>
<td>MUSI 5120</td>
<td>Wind Symphony</td>
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<tr>
<td>or MUSI 5123</td>
<td>Symphony Orchestra</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>MUSI 5123</td>
<td>Symphony Orchestra</td>
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<tr>
<td>MUSI 5131</td>
<td>Jazz Band I</td>
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<tr>
<td>MUSI 5132</td>
<td>Chamber Music</td>
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</tr>
<tr>
<td>Select one of the following:</td>
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<tr>
<td>MUSI 5316</td>
<td>Advanced Percussion Techniques</td>
<td></td>
</tr>
<tr>
<td>MUSI 5368</td>
<td>Advanced Woodwind Techniques</td>
<td></td>
</tr>
<tr>
<td>MUSI 5376</td>
<td>Advanced Brass Techniques</td>
<td></td>
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<tr>
<td>Select two from the following:</td>
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<tr>
<td>MUSI 5309</td>
<td>Musicology Seminar (May be repeated with different topic)</td>
<td></td>
</tr>
<tr>
<td>MUSI 5312</td>
<td>Hist and Lit of Wind Band</td>
<td></td>
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<tr>
<td>MUSI 5350</td>
<td>Music Technology</td>
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MUSI 5398  Advanced Conducting

Total Semester Credit Hours  24

**Specialization-Vocal**

<table>
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<tr>
<th>Code</th>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MUSA 53XX</td>
<td>Applied Lessons</td>
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<tr>
<td>MUSI 5141</td>
<td>Choir (Major ensemble)</td>
<td>2</td>
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<tr>
<td>MUSI 5151</td>
<td>Singers (Minor ensemble)</td>
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<tr>
<td>or MUSI 5157</td>
<td>Opera Workshop</td>
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<tr>
<td>MUSI 5310</td>
<td>Vocal Literature</td>
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<td>MUSI 5370</td>
<td>Vocal Pedagogy</td>
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<tr>
<td>MUSI 5309</td>
<td>Musicology Seminar (May be repeated with different topics)</td>
<td></td>
</tr>
<tr>
<td>MUSI 5311</td>
<td>Choral Literature</td>
<td></td>
</tr>
<tr>
<td>MUSI 5350</td>
<td>Music Technology</td>
<td></td>
</tr>
<tr>
<td>MUSI 5398</td>
<td>Advanced Conducting</td>
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</tbody>
</table>

Total Semester Credit Hours  24

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**Department of Physics and Geosciences**

**Contact Information**

Chair: Brent Hedquist  
Phone: 361-593-2618  
Email: brent.hedquist@tamuk.edu  
Building Name: Hill Hall  
Room Number: 113

The Department of Physics and Geosciences offers an M.S. degree in Petrophysics, as well as graduate courses in Geology and in Physics. Graduate courses in Geology and Physics provide a strong supporting field for a major in another science, mathematics or engineering.

**Master of Science in Petrophysics**

Petrophysics is the study of physical and chemical properties of reservoirs (rocks and fluids). It is the first such program in North America, and addresses properties of subsurface rock formations and the fluid within those strata with particular application to the petroleum exploration and production industry. The course work including graduate research project is a multidisciplinary program with Geology, Physics, and Natural Gas Engineering courses.

**Admissions Requirements**

For the M.S. degree in Petrophysics, a bachelor’s degree in Geoscience, Mathematics, Physics, or Chemistry (or related areas) is required. Students not having enough background may need to take additional undergraduate courses.

**Faculty**

**Graduate Faculty**

**Albataineh, Hisham** Assistant Professor, Department of Physics and Geosciences; B.S., Yarmouk University (Jordan); M.S., Aligrah Muslim University (India); M.S., New Mexico State University; Ph.D., New Mexico State University.

**Su, Haibin** Associate Professor, Department of Physics and Geosciences; B.S., Beijing University (China); M.S., Chinese Academy of Sciences (China); Ph.D., University of Cincinnati.

**Associate Member**

**Yelisetti, Subbarao** Assistant Professor, Department of Physics and Geosciences; B.S., Acharya Nagarjuna University (India); M.S., University of Hyderabad (India); Ph.D., University of Victoria (Canada).
Emeritus

Norwine, James  Professor Physics and Geosciences, Department of Physics and Geosciences; Regents Professor; B.S., Southeast Missouri State College; M.S., Southeast Missouri State College; Ph.D., Indiana State University.

Courses

Geology (GEOL)

GEOL 5305  Graduate Research Project  3 SCH  (0-0-3)
Designed for project option students and requires completion of a research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semesters hours.

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

GEOL 5310  Advanced Topics in Geology  1-3 SCH  (1-3)
Intensive study at a graduate level of selected advanced topics. May be repeated for credit under different topics.

GEOL 5311  Geochemistry  3 SCH  (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 1312 and CHEM 1112
Fee: $30.00

GEOL 5312  Geographic Info Systems  3 SCH  (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.

GEOL 5313  Advanced GIS  3 SCH  (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.

GEOL 5319  Geology of Ground Water  3 SCH  (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. Prerequisites: GEOL 1303/1103 and GEOL 1304/1104.

GEOL 5352  Remote Sensing  3 SCH  (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)

PHYS 5382  Exploration Geophysics  3 SCH  (3)
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.

PHYS 5385  Seismology  3 SCH  (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.

PHYS 5388  Borehole Geophysics  3 SCH  (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/GEOL 1103 and PHYS 2325/PHYS 2125, PHYS 2326/PHYS 2126.

PHYS 5390  Special Topics in Advanced Phys  3 SCH  (0-0)
A detailed study of one or more specific sub-disciplines of physics. Course may be repeated for credit when topic changes.

Degree Requirements

Petrophysics, M.S.

The coursework for this multidisciplinary program involves courses in Physics (PHYS), Geology (GEOL), and Natural Gas Engineering (NGEN). The coursework for this program is as follows:
Required Coursework

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>PHYS 5385</td>
<td>Seismology</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 5388</td>
<td>Borehole Geophysics</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 5305</td>
<td>Graduate Research Project</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 5311</td>
<td>Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 5319</td>
<td>Geology of Ground Water</td>
<td>3</td>
</tr>
<tr>
<td>NGEN 5303</td>
<td>Advncd Topics in Nat Gas Engin</td>
<td>1,3</td>
</tr>
<tr>
<td>NGEN 5310</td>
<td>Petroleum Property Eval</td>
<td>3</td>
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<tr>
<td>NGEN 5312</td>
<td>Pressure Transient Analysis</td>
<td>3</td>
</tr>
<tr>
<td>NGEN 5363</td>
<td>Advanced Reservoir Engineering</td>
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</tr>
<tr>
<td>NGEN 5387</td>
<td>Quantitative Well Log Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 31-33

Degree Plans

For the M.S. in Petrophysics, both Plan I (thesis) and Plan II (non-thesis) are available.

- **Plan I** requires 24 credits of coursework plus completion of a research thesis (6 hours for research proposal and thesis).
- **Plan II** requires 36 hours of coursework including completion of a short research project.

Department of Psychology and Sociology

Contact Information

Chair: Jieming Chen  
Phone: 361-593-2701  
Email: jieming.chen@tamuk.edu  
Building Name: Manning Hall  
Room Number: 120

The Department of Psychology and Sociology offers graduate programs in criminology, psychology, and sociology.

Counseling Psychology, M.A./General Psychology, M.S.

The graduate program in Psychology offers two psychology degrees:

- Master of Arts in Counseling Psychology  
- 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.

**Criminology, M.S.**

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 (https://www.tamuk.edu/artsci/departments/psyc/graduate-degrees/criminology.html).

**Sociology, M.A. and M.S.**

The Department of Psychology and Sociology offers a Master of Arts and a Master of Science in Sociology. The programs provide advanced training for those preparing for teaching, research or applied careers in sociology in such areas as public relations, human services, insurance, market research, and data analysis. Prerequisites include at least 18 semester hours of undergraduate sociology. The graduate sociology programs at Texas A&M University - Kingsville are unique due to their academic and practical offerings. The programs are well established and offer both a highly academic research approach and an interactive and practical approach to the understanding of sociology. The faculty and courses represent various sociological sub-disciplines, as well as research on various topics and problems.

**Faculty**

**Graduate Faculty**

Chen, Jieming  Professor, Department of Psychology and Sociology; Chair; B.E., Xian Jiaotong University (China); M.A., Zhongzhan University (China); Ph.D., University of Michigan.

Daughtry, Donald  Professor, Department of Psychology and Sociology; B.B.A., University of Houston at Clear Lake; M.A., University of Houston at Clear Lake; Ph.D., Texas Tech University.

Green, Bennie  Professor, Department of Psychology and Sociology; B.A., Southwest Missouri State College; M.A., Harding College Graduate School of Religion; M.S., East Texas State University; Ph.D., Union Graduate School.

Hannon, Brenda  Associate Professor, Department of Psychology and Sociology; B.A., York University (Canada); M.A., University of Toronto (Canada); Ph.D., University of Toronto (Canada).

Hodges, Stanley  Associate Professor, Department of Psychology and Sociology; B.A., Oklahoma State University; M.S., Oklahoma State University; Ph.D., Oklahoma State University.

Miller, Richard  Professor, Department of Psychology and Sociology; Interim Chair, Department of Clinical Health Sciences; B.S., Weber State College; M.A., University of Washington; M.A., Northwestern University; Ph.D., Northwestern University.

Wark, Colin  Associate Professor, Department of Psychology and Sociology; B.A., Seattle Pacific University; M.A., Idaho State University; Ph.D., University of Missouri-Columbia.

**Associate Member**

Blake, Marion  Assistant Professor, Department of Psychology and Sociology; B.S., Fordham University; M.B.A., University of Strathclyde (Scotland); M.A., Caribbean Graduate School of Theology (Jamaica); Ph.D., Texas A&M University-Commerce.

Dipeolu, Abiola  Assistant Professor, Department of Psychology and Sociology; B.A., University of Reading (England); M.Ed., Tuskegee University; Ph.D., Florida State University.

Han, Daehoon  Assistant Professor, Department of Psychology and Sociology; B.A., Utah State University; M.A., Southern Illinois University; Ph.D., University of Missouri.

Kwon, Soyoung  Assistant Professor, Department of Psychology and Sociology; B.A., Keimyung University (South Korea); M.A., Peking University (China); Ph.D., Purdue University.
Reiser-Robbins, Christine  Associate Professor, Department of Psychology and Sociology; B.A., University of Notre Dame; M.A., Brown University; Ph.D., Brown University.

Emeritus

Bittinger, B. Stanley  Professor of Psychology and Sociology, Department of Psychology and Sociology; B.A., Manchester College; M.A., University of Notre Dame; Ph.D., The University of Texas at Austin.

Juarez, Rumaldo  Professor of Sociology, Department of Psychology and Sociology; 17th President of Texas A&M University-Kingsville; B.S., Texas A&M University; M.S., Texas A&M University; Ph.D., Pennsylvania State University.

Courses

Criminology (CRIM)

CRIM 5300  Seminar in Criminology  3 SCH (3-0)
Analysis of criminal behavior with a focus on contemporary issues relating to the causes, consequences, and social control of crime and deviance.

CRIM 5303  Advanced Research Methods  3 SCH (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.)

CRIM 5304  Seminar in Juvenile Delinquency  3 SCH (3-0)
A study of deviant behavior by legal minors in contemporary society with a focus on the factors and conditions contributing to delinquency, and the control and treatment of offenders and programs for prevention.

CRIM 5305  Graduate Research Project  3 SCH (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.

CRIM 5306  Thesis  3 SCH (3)
This course if for thesis option students. The course requires 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.

CRIM 5310  Data Analysis in Social Research  3 SCH (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.)

CRIM 5315  Selected Topics in Criminology  3 SCH (3-0)
Literature and research in areas of criminology not otherwise treated in available courses. May be repeated twice for credit with change in topic.

CRIM 5320  Police and Society  3 SCH (3-0)
A treatment of the nature, organization, function, problems, and components of police agencies in modern society.

CRIM 5325  Seminar in Criminological Theory  3 SCH (3-0)
A comprehensive presentation and discussion of classic and contemporary theoretical paradigms of crime and delinquency, and empirical research support for them.

CRIM 5350  Murder and Crimes of Violence  3 SCH (3-0)
Addresses the study of murder and other violent crimes as forms of deviant behavior. Content covers the definition, frequency, types and societal reaction to these crimes. The social-psychological factors related to typical, mass, serial, and habitual violent offenders will be presented.

CRIM 5352  Studies in Correction  3 SCH (3-0)
Advanced treatment of the philosophies, theories, social-historical context, facilities and problems associated with contemporary corrections in the United States.

CRIM 5354  Correctional Counseling  3 SCH (3-0)
Correctional counseling and treatments from a psychological perspective. Prerequisites: CRIM 3320 or PSYC 3320.

CRIM 5360  Comparative Legal Systems  3 SCH (3-0)
A treatment of the nature, components, and models for analyzing criminal justice systems in selected nations throughout the world. Coverage may include but is not limited to the legal systems found in England, Canada, France, Japan, Russia, Mexico, and China.

Gerontology (GERO)

GERO 5399  Internship in Gerontology  2 SCH (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)

PSYC 5302 Indiv Psychological Tests 3 SCH (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.

PSYC 5304 Counseling and Psychotherapy 3 SCH (3-0)
A survey of the major theories of counseling and psychotherapy. Prerequisites: 6 semester hours of advanced psychology or the equivalent.

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

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

PSYC 5307 Psychology of Aging 3 SCH (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.

PSYC 5308 Intro to Counseling Psych 3 SCH (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.

PSYC 5309 Cognitive Psychology 3 SCH (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.

PSYC 5310 Data Analys in Social Research 3 SCH (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.)

PSYC 5311 Addictions Counseling 3 SCH (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.

PSYC 5313 Physiological Psychology 3 SCH (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.

PSYC 5314 Selected Topics in Psychol 3 SCH (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.

PSYC 5315 Practicum in Counseling 0 SCH (2-10-0)
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.

PSYC 5316 Couples Counseling 3 SCH (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.

PSYC 5317 Multicultural Theory & Counsel 3 SCH (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.

PSYC 5319 Life Span Devel Theory andTech 3 SCH (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.

PSYC 5321 Methds and Tech in Fam Therapy 3 SCH (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.

PSYC 5325 Psychopathology 3 SCH (3)
A survey of the research, theories, assessment and treatment models of psychopathology.
PSYC 5326  Advanced Abnormal Psychology  3 SCH (3-0)
Criteria of psychiatric diagnosis, use of the DSM Multi-Axial system, theories of psychopathology, treatment planning and intervention, and introduction to psychopharmacological medications. Prerequisites include PSYC 5304 and PSYC 5325.

PSYC 5329  Neuro Linguistic Program  3 SCH (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.

PSYC 5331  Lifestyles and Career Devel  3 SCH (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.

PSYC 5332  Psychology of Women  3 SCH (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.

PSYC 5333  Ethics and Legal issues  3 SCH (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.

PSYC 5334  Ethics II  3 SCH (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.

PSYC 5335  Sem in Sex Dysfunctns and Issu  3 SCH (0-3)
Social, cultural, psychological and medical components, including therapeutic intervention. Prerequisite: PSYC 5304 or equivalent.

PSYC 5336  Clinical Assessment  3 SCH (0-3)
The assessment of abnormal behavior with emphasis on symptomatic behavior, clinical diagnosis and writing assessments and planning treatment.

PSYC 5342  Projective Testing  3 SCH (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.

PSYC 5344  Group Therapy  3 SCH (3-0)
A study of the theoretical concepts of types of groups, stages of group development and leadership skills.

PSYC 5352  Advanced Social Psychology  3 SCH (3-0)
Advanced study of how peoples’ thoughts, feelings and behaviors are influenced by actual, imagines or implied other people. Topics include the psychological study of conformity, attitudes, aggression, altruism, conflict and cooperation.

PSYC 5354  Behavioral Modification  3 SCH (3-0)
Human behavior examine by using a step-by-step approach introducing principles of behavior modification and providing practical, specific information needed for their successful application.

PSYC 5381  Behavioral Science Research  3 SCH (0-3)
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)

SOCI 5301  Sem in Sociological Theory  3 SCH (0-3)
Analysis of generalizations derived by sociology concerning how human beings live and interact.

SOCI 5302  Sem in Social Organization  3 SCH (0-3)
The dynamics and structure of social organization with emphasis on large-scale systems. Critical evaluation of current research and contemporary theories of social organization.

SOCI 5303  Advanced Research Methods  3 SCH (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.

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

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

SOCI 5308  Studies in Contemp Soc Probs  3 SCH (3-0)
Current theoretical and methodological problems encountered in advanced research in major areas of sociology. May be repeated for credit when topics differ.
SOCI 5309 Selected Topics in Sociology 3 SCH (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.

SOCI 5310 Data Analysis in Social Research 3 SCH (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.)

SOCI 5320 The Study of Culture 3 SCH (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.

SOCI 5321 Social Demography 3 SCH (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.

SOCI 5322 Seminar in Social Stratification 3 SCH (3-0)
Survey of literature on stratification and social inequalities, with an emphasis on sociological theories of stratification in class, gender and race.

SOCI 5326 Seminar in Social Movements 3 SCH (3-0)
Critical analysis of the concepts of social movements and social change in terms of their essential components; the course specifies important types of social movements, collective behavior, and group studies.

SOCI 5328 Seminar in Urban Sociology 3 SCH (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.

SOCI 5332 Sociology of Minorities 3 SCH (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.

SOCI 5336 Multicultural Education 3 SCH (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.

SOCI 5340 Sociology of the Family 3 SCH (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.

SOCI 5341 Gerontology 3 SCH (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.

SOCI 5346 Sociology of Hispanic Aged 3 SCH (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.

Degree Requirements
Counseling Psychology, M.A. (Non-Thesis Option)

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<th>Semester Credit Hours</th>
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<td>PSYC 5304</td>
<td>Counseling and Psychotherapy</td>
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<td>PSYC 5308</td>
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<td>PSYC 5310</td>
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<td>Ethics and Legal issues</td>
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**Elective Courses**

Select 1 of the following:

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<td>PSYC 5314</td>
<td>Selected Topics in Psychol (Family Therapy)</td>
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<td>Selected Topics in Psychol (Advanced Career Development)</td>
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<tr>
<td>PSYC 5352</td>
<td>Advanced Social Psychology</td>
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**Total Semester Credit Hours:** 60

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**Counseling Psychology, M.A. (Thesis Option)**

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<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 5306</td>
<td>Thesis</td>
<td>6</td>
</tr>
<tr>
<td>PSYC 5319</td>
<td>Life Span Devel Theory andTech</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5325</td>
<td>Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5381</td>
<td>Behavioral Science Research</td>
<td>3</td>
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</table>

**Prescribed Elective Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>PSYC 5302</td>
<td>Indiv Psychological Tests</td>
<td>3</td>
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<tr>
<td>PSYC 5303</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5304</td>
<td>Counseling and Psychotherapy</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5308</td>
<td>Intro to Counseling Psych</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5310</td>
<td>Data Analys in Social Research</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5315</td>
<td>Practicum in Counseling</td>
<td>6</td>
</tr>
<tr>
<td>PSYC 5316</td>
<td>Couples Counseling</td>
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</tr>
<tr>
<td>PSYC 5317</td>
<td>Multicultural Theory &amp; Counsel</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5326</td>
<td>Advanced Abnormal Psychology</td>
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</tr>
<tr>
<td>PSYC 5331</td>
<td>Lifestyles and Career Devel</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5333</td>
<td>Ethics and Legal issues</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5334</td>
<td>Ethics II</td>
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</tr>
<tr>
<td>PSYC 5336</td>
<td>Clinical Assessment</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5344</td>
<td>Group Therapy</td>
<td>3</td>
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</tbody>
</table>

**Total Semester Credit Hours:** 60

---

**General Psychology, M.A./M.S.**

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.

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>PSYC 5381</td>
<td>Behavioral Science Research</td>
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</tbody>
</table>

**Required Courses**

Select one of the following:

<table>
<thead>
<tr>
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<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 5302</td>
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<td>3</td>
</tr>
<tr>
<td>PSYC 5303</td>
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<td>PSYC 5326</td>
<td>Advanced Abnormal Psychology</td>
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</tr>
<tr>
<td>PSYC 5331</td>
<td>Lifestyles and Career Devel</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5333</td>
<td>Ethics and Legal issues</td>
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</tr>
<tr>
<td>PSYC 5334</td>
<td>Ethics II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5336</td>
<td>Clinical Assessment</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5344</td>
<td>Group Therapy</td>
<td>3</td>
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</tbody>
</table>

**Total Semester Credit Hours:** 60
PSYC 5305 Graduate Research Project
PSYC 5306 Thesis (6 hours)
PSYC 5319 Life Span Devel Theory andTech 3
PSYC 5325 Psychopathology 3
PSYC 5381 Behavioral Science Research 3
PSYC 5310 Data Analys in Social Research 3

**Elective Courses**
Select 12-21 credit hours of the following: 12-21

- PSYC 5302 Indiv Psychological Tests
- PSYC 5303
- PSYC 5304 Counseling and Psychotherapy
- PSYC 5308 Intro to Counseling Psych
- PSYC 5316 Couples Counseling
- PSYC 5317 Multicultural Theory & Counsel
- PSYC 5326 Advanced Abnormal Psychology
- PSYC 5331 Lifestyles and Career Devel
- PSYC 5333 Ethics and Legal issues
- PSYC 5334 Ethics II
- PSYC 5336 Clinical Assessment
- PSYC 5344 Group Therapy
- PSYC 5313 Physiological Psychology
- PSYC 5314 Selected Topics in Psychol (Family Therapy)
- PSYC 5314 Selected Topics in Psychol (Advanced Career Development)
- PSYC 5352 Advanced Social Psychology

**Criminology, M.S. (Thesis Option)**

**First Year**

**Semester 1**

- CRIM 5325 Sem in Criminological Theory 3
- Prescribed Elective 1
- Free Elective 2 3

Semester Credit Hours 9

**Semester 2**

- CRIM 5310 Data Analysis in Social Resrch 3
- Prescribed Elective 1
- Free Elective 2 3

Semester Credit Hours 9

**Second Year**

**Semester 1**

- CRIM 5303 Advanced Research Methods 3
- CRIM 5306 Thesis 3

Semester Credit Hours 6

**Semester 2**

- CRIM 5300 Seminar in Criminology 3
- CRIM 5306 Thesis 3

Semester Credit Hours 6

Total Credit Hours Required: 30
Electives from graduate level coursework in criminology.

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.

### Criminology, M.S. (Project Option)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td><strong>Semester 1</strong></td>
<td></td>
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<tr>
<td>CRIM 5325</td>
<td>Sem in Criminological Theory</td>
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<tr>
<td>Prescribed Elective ¹</td>
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<td>Free Elective ²</td>
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<td>Semester Credit Hours</td>
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<tr>
<td><strong>Semester 2</strong></td>
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<tr>
<td>CRIM 5310</td>
<td>Data Analysis in Social Resrch</td>
<td>3</td>
</tr>
<tr>
<td>Prescribed Elective ¹</td>
<td></td>
<td>3</td>
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<tr>
<td>Free Elective ²</td>
<td></td>
<td>3</td>
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<tr>
<td></td>
<td>Semester Credit Hours</td>
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<tr>
<td><strong>Second Year</strong></td>
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<tr>
<td><strong>Semester 1</strong></td>
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<td>CRIM 5303</td>
<td>Advanced Research Methods ³</td>
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<td><strong>Semester 2</strong></td>
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<td>CRIM 5300</td>
<td>Seminar in Criminology</td>
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<tr>
<td>Prescribed Elective ¹</td>
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<td>CRIM 5305</td>
<td>Graduate Research Project</td>
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<td>Total Credit Hours Required:</td>
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</table>

¹ Electives from graduate level coursework in criminology.

² Electives from graduate level coursework in criminology, sociology, psychology, and/or political science.

³ The graduate course in Qualitative Methods can be used to fulfill this requirement.

### Criminology, M.S. (Course-Only Option)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td><strong>First Year</strong></td>
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<tr>
<td><strong>Semester 1</strong></td>
<td></td>
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</tr>
<tr>
<td>CRIM 5325</td>
<td>Sem in Criminological Theory</td>
<td>3</td>
</tr>
<tr>
<td>Prescribed Elective ¹</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Free Elective ²</td>
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<tr>
<td><strong>Semester 2</strong></td>
<td></td>
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</tr>
<tr>
<td>CRIM 5310</td>
<td>Data Analysis in Social Resrch</td>
<td>3</td>
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<tr>
<td>Prescribed Elective ¹</td>
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<td>3</td>
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<tr>
<td>Free Elective ²</td>
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<tr>
<td></td>
<td>Semester Credit Hours</td>
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<td><strong>Second Year</strong></td>
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<tr>
<td><strong>Semester 1</strong></td>
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<tr>
<td>CRIM 5303</td>
<td>Advanced Research Methods ³</td>
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</table>
Prescribed Elective or Free Elective 1,2

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</table>

**Semester 2**

CRIM 5300 Seminar in Criminology 3

Prescribed Elective 1

Free Elective 2

<table>
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</table>

Total Credit Hours Required: 33

1 Electives from graduate level coursework in criminology.
2 Electives from graduate level coursework in criminology, sociology, psychology, and/or political science.
3 The graduate course in Qualitative Methods can be used to fulfill this requirement.

**Sociology, M.A./M.S.**

Prerequisites include at least 18 semester hours of undergraduate sociology.

Course requirements:

- SOCI 5301: Seminar in Sociological Theory;
- SOCI 5302: Seminar in Social Organization;
- SOCI 5303: Advanced Research Methods;
- SOCI 5310: Data Analysis in Social Research;
- All other accepted graduate sociology courses may be used to fulfill the requirements upon the advisement of the graduate coordinator.

**Master's Program in Business Administration**

**Contact Information**

**Chair:** Jesus Carmona
**Phone:** 361-593-4022
**Email:** jesus.carmona@tamuk.edu
**Building Name:** Business Administration Building
**Room Number:** 108-C

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.

**Faculty**

**Graduate Faculty**

**Department of Account and Finance**

Delcoure, Natalya Professor, Department of Accounting and Finance; Dean, College of Business Administration; B.B.A., Moscow State university of Railway Engineering (Russia); M.B.A., University of Louisiana at Monroe; D.B.A., Louisiana Tech University.

Kim, Dongnyoung Assistant Professor, Department of Accounting and Finance; B.S., Myongji University (South Korea); M.B.A., Bowling Green State University; Ph.D., University of South Florida.

Krueger, Thomas Professor, Department of Accounting and Finance; Chair; B.S., University of Wisconsin-Eau Claire; M.B.A., Minnesota State University-Mankato; D.B.A., University of Kentucky.

Lelkes, Anne-Marie Assistant Professor, Department of Accounting and Finance; B.S., Cameron University; M.S., Oklahoma State University; Ph.D., Oklahoma State University.

Verma, Priti Professor, Department of Accounting and Finance; B.A., University of Delhi (India); M.B.A., Institute for Technology and Management (India); Ph.D., The University of Texas-Pan American.
Department of Management, Marketing, and Information Systems

Carmona, Jesus Associate Professor, Department of Management, Marketing and Information Systems; Associate Dean, College of Business Administration; B.S., Instituto Tecnológico de Estudios Superiores de Monterrey (Mexico); M.S., Texas A&M International University; Ph.D., Texas A&M International University.

Chatelain-Jardon, Ruth Associate Professor, Department of Management, Marketing and Information Systems; B.B.A., Instituto Tecnológico de Estudios Superiores de Monterrey (Mexico); M.B.A., Texas A&M International University; M.S., Texas A&M International University; Ph.D., Texas A&M International University.

Cicala, John Associate Professor, Department of Management, Marketing and Information Systems; B.A., Memphis State University; M.B.A., The University of Memphis; M.S., The University of Memphis.

Shorter, Jack D Professor, Department of Management, Marketing and Information Systems; Chair; B.S., Oklahoma State University; M.S., Oklahoma State University; Ed.D., Oklahoma State University.

Associate Members:

Department of Accounting and Finance

Department of Marketing, Management, and Information Systems

Jung, Seung Assistant Professor, Department of Management, Marketing and Information Systems; B.S., Hanyang University (South Korea); M.S., Korea Advanced Institute of Science and Technology (South Korea); Ph.D., Washington University.

Emeritus

Kirby, Robert Professor of Finance, Department of Accounting and Finance; Previous Provost and Vice President for Academic Affairs; B.S., East Texas Baptist College; M.S., Texas A&I University; D.B.A., Texas Tech University.

Ketcham, Allen Professor of Management and Marketing, Department of Management, Marketing and Information Systems; B.S., Indiana University; M.B.A., Corpus Christi State University; M.S., Texas A&I University; M.Ed., University of Arizona; Ph.D., University of Arizona.

Courses

Accounting (ACCT)

ACCT 5237 Global Accounting 2 SCH  (2-0)
A 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.
Fee: $250.00

ACCT 5302 Foundations in Accounting  3 SCH  (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.
Fee: $375.00

ACCT 5307 Acct Information Systems 3 SCH  (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.
Fee: $375.00

ACCT 5308 Accounting Ethics 3 SCH  (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.
Fee: $375.00

ACCT 5311 Seminar in Managerial Acct 3 SCH  (0-3)
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 2312.
Fee: $375.00

ACCT 5314 Advance Accounting Problems 3 SCH  (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.
Fee: $375.00
ACCT 5316  Advance Income Tax Problems  3 SCH (3-0)
Partial 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.
Fee: $375.00

ACCT 5319  Special Probs in Accounting  3 SCH (3-0)
Study, research or internship in accounting. May be repeated once for credit. Prerequisite: consent of instructor.
Fee: $375.00

ACCT 5323  CPA Review  3 SCH (3-0)
Review of the major accounting, business and legal environment issues with respect to all sections of the CPA exam.
Fee: $375.00

ACCT 5327  Advanced Auditing  3 SCH (3-0)
Audit program planning and special reports, auditing topics. Prerequisite: ACCT 4311.
Fee: $375.00

ACCT 5331  Accounting and Value Creation  3 SCH (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 areas.

ACCT 5337  International Accounting  3 SCH (3-0)
Fee: $375.00

ACCT 5341  Adv Cost Managerial Acct  3 SCH (3-0)
Planning and control of cost elements; analysis of costs and profits; and current topics in cost/managerial accounting. Prerequisite: ACCT 3314.
Fee: $375.00

ACCT 5350  Internship in Accounting  1-3 SCH (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.
Fee: $375.00

Business Administration (BUAD)

BUAD 5102  Diversity in the Workplace  1 SCH (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.
Fee: $125.00

BUAD 5103  Business & Professional Ethics  1 SCH (1-0)
The issues, challenges, and opportunities business leaders face in managing employee ethical behavior as they carry out their professional responsibilities and communicate with customers. The understanding of how to cope with conflicts between personal values and those of the organization is important in ethical decision making.
Fee: $125.00

BUAD 5201  Advanced Business Writing  2 SCH (2-0)
Organization and preparations 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.
Fee: $250.00

BUAD 5204  Managerial Business Statistics  2 SCH (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.
Fee: $250.00

BUAD 5247  Global Business  2 SCH (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.
Fee: $250.00
BUAD 5300 MBA Foundations I  3 SCH  (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.

BUAD 5301 MBA Foundations II  3 SCH  (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 practice. Emphases will be given on Financial Statement Analysis, TVM, Valuations, and Capital budgeting decision.

Economics (ECON)
ECON 5245 Global Economics  2 SCH  (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 partner. Trade unions, tariffs, quotas and other no-tariff barriers to trade. Reasons and consequences of trade deficits.
Fee: $250.00

ECON 5310 Econ & Managerial Decis Making 3 SCH  (3-0)
Studies markets in which firms compete with the context of a global supply chain, including markets for good and services, financial markets, and labor. Emphasizes how the interactions of these markets affect the formulation and implementation of business strategies.

Finance (FINC)
FINC 5239 Global Finance  2 SCH  (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.
Fee: $250.00

FINC 5330 Foundations of Finance  3 SCH  (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.
Fee: $375.00

FINC 5331 Managerial Finance  3 SCH  (0-3)
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.
Fee: $375.00

FINC 5336 Investment Analysis  3 SCH  (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.
Fee: $375.00

FINC 5339 Spec Problems in Finance  3 SCH  (0-3)
Special studies or internship in finance. May be repeated once for credit.
Fee: $375.00

FINC 5347 Fin Mgmt & Sustainability  3 SCH  (3)
This course is concerned with the theory and the practice of managerial finance, especially in the context of the publicly held corporation in a 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. Prerequisite: ECON 5310.

FINC 5350 Energy Finance  3 SCH  (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 student’s understanding of financing and investment decisions in energy industry.
FINC 5352  Health Service Econ & Finance  3 SCH (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)
ISYS 5309  Computer Tech Applications  3 SCH (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.
Fee: $375.00

ISYS 5310  Org & Mgt of Bus Databases  3 SCH (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 rational
database product. Prerequisite: ISYS 5309 or permission of the instructor.
Fee: $375.00

ISYS 5320  Decision Support Systems  3 SCH (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.
Fee: $375.00

ISYS 5330  Telecommunications  3 SCH (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.
Fee: $375.00

ISYS 5342  Data Mining & Cyber Forensics  3 SCH (3-0)
A 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.
Fee: $375.00

ISYS 5347  Infor Systems & Bus Analytics  3 SCH (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.

ISYS 5351  Databases & Data Warehousing  3 SCH (3-0)
Database design with emphasis on the Relational Database Model. Concepts on data warehousing and on-line analysis processing (OLAP) and the
differences between operational database systems and data warehouses are covered. Prerequisite: ISYS 5347.

ISYS 5352  Exp. Data Analysis & Visual  3 SCH (3-0)
Explore data and data sources. Find, extract, understand, process, aggregate, and summarize data for further analysis and model definition utilizing
established procedures and methods, including tabular and visualization reports. Prerequisite: ISYS 5347.

ISYS 5353  Predictive Analytics  3 SCH (3-0)
Explore data mining techniques for efficient data retrieval and process. Learn to identify and discern the right predictive analytic techniques for diverse
business problems. Students will be exposed to analytics software. Prerequisite: ISYS 5347.

ISYS 5359  Spec Prob in Computer Info Sys  3 SCH (3-0)
Study, research or internship in ISYS. May be repeated once for credit. Prerequisite: consent of instructor.
Fee: $375.00

ISYS 5360  Fundamentals of Cyber Security  3 SCH (3-0)
This course aims to provide a managerial perspective of contemporary issues in computer and network security, including an assessment of state-of-
the-art approaches used to address security problems and their integration with organizational/informational systems audit, computer information
systems, and management practices. Upon completing the course, students should have a practical understanding of how to design, implement, and
maintain a network security plan that successfully defends a network from malicious or accidental intrusion.
ISYS 5361  Legal Issues in Cyber Security  3 SCH (3-0)
This course aims to provide a managerial perspective of contemporary issues in computer and network security, including an assessment of state-of-the-art approaches used to address security problems and their integration with organizational/informational systems audit, computer information systems, and management practices. Upon completing the course, students should have a practical understanding of how to design, implement, and maintain a network security plan that successfully defends a network from malicious or accidental intrusion.

ISYS 5362  Cyber Security Policy & Impl  3 SCH (3-0)
This course aims to provide an end to end understanding of Information Security policies and frameworks. Specifically, this course will focus on the management of, need, and challenges associated with the Information Security policies in an organization environment. In addition, the student will investigate implementation issues associated with policy and methods that can be utilized to overcome barriers to implementation. Effective policy design and maintenance will be investigated along with various frameworks that can be used by an organization to assist with Risk Management and Compliance. Finally, a review of U.S. compliance laws and associated Information Security requirements will be conducted.

ISYS 5363  Aud & Comp in Cyber Domain  3 SCH (3-0)
This course aims to provide a complete understanding of Cyber Security compliance and auditing. Specifically, this course will focus on understanding the basic concepts of the Compliance and the Auditing process to include providing the student an understanding of the scope of a compliance audit. In addition, this course will provide the student an understanding of various tools, techniques, and frameworks that can aid in the auditing process. The student will gain an appreciation of end to end process of an audit to include, preparation, conducting, and completion of an audit report. Finally, the student will look at the various domains that can be audited within the organization.

Management (MGMT)

MGMT 5241  Global Management  2 SCH (2-0)
Management of the internationally competitive firm; topics considered include leadership, organizational structure, cultural differences and similarities and competitive analysis.
Fee: $250.00

MGMT 5250  Leadership Development  2 SCH (2-0)
A program that utilizes an interactive software called practiceware to learn and sharpen your leadership skills in communication, dealing with tension and other stressors of business, effectively using your power and ideas in your organization and how to deal with conflict and culture change. The student will assess their own interpersonal skills as well as how to use these interpersonal skills to deal with others.

MGMT 5252  Leadership for Health Prof  2 SCH (2-0)
This course examines the dynamic nature 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. The course 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.
Fee: $250.00

MGMT 5254  Health Information Mgmt  2 SCH (2-0)
This Course 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 (IT) which has the potential to improve the quality, safety, and efficiency of health care.
Fee: $250.00

MGMT 5256  Health Care Law and Ethics  2 SCH (2-0)
The student will learn the importance of health law and ethics, the basic principles, and how they apply to practical Health Care management.
Fee: $250.00

MGMT 5258  Health Care Supply Chain Mgmt  2 SCH (2-0)
This course 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.
Fee: $250.00

MGMT 5260  HealthCare Org Design/Behavior  2 SCH (2-0)
This course provides an overall perspective on the health care sector, discusses the distinctive challenges facing health care organizations, and examines the roles of leaders and manager in influencing organizational culture, performance and change.
Fee: $250.00

MGMT 5262  Health Care Financial Mgmt  2 SCH (2-0)
This course 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.
Fee: $250.00
**MGMT 5264** Contemp Issues in Health Care  1-2 SCH (1-2)
A course 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.
Fee: $250.00

**MGMT 5316** Global Strategic Management  3 SCH (3)
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. Must be enrolled in the MBA program.

**MGMT 5320** Leading a Sustainable Organ  3 SCH (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.

**MGMT 5322** Seminar in Management  3 SCH (0-3)
Philosophy and concepts underlying modern management. Prerequisite: MGMT 3321 or MGMT 4326 or equivalent experience.
Fee: $375.00

**MGMT 5325** Management Science  3 SCH (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.
Fee: $375.00

**MGMT 5329** Spec Prob in Management  3 SCH (0-3)
Special studies or internship in management. May be repeated once for credit.
Fee: $375.00

**MGMT 5335** Advanced Business Policy  3 SCH (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.
Fee: $375.00

**MGMT 5337** Managerial Bus Statistics  3 SCH (3-0)
Selected statistical methods involving quality control, forecasting, sampling and other business applications using SAS software.
Fee: $375.00

**MGMT 5339** Human Resource Management  3 SCH (3-0)
This MBA elective 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.

**MGMT 5366** Health Service Mgmt & Reg  3 SCH (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.

**MGMT 5368** US Healthcare System & Policy  3 SCH (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 concepts 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.

**MGMT 5370** Leadership, Change & Innovat.  3 SCH (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.

**MGMT 5372** Health Care IT  3 SCH (3-0)
This course is designed to provide the student with an introduction to health care information technology (HCIT). Designed from a healthcare executive's point of view, this class aims to (1) teach basic executive HCIT skills and strategies; (2) present an overview of basic and advanced HCIT systems and infrastructure; (3) provide background and context for understanding the current state of HCIT and the industry's vision for its digital future. Prerequisites: ISYS 5347 and MGMT 5366.
MGMT 5374  Applied Health Informatics  3 SCH (3-0)
This course is designed to accomplish 3 Primary Goals: To provide the student with: (1) an Introduction to Digital Health & Informatics; (2) Background and Context required to demonstrate Proficiency in the Digital Age of Healthcare; (3) Critical-Thinking Ability and Problem-Solving Skills required to identify Problems in Healthcare that can be solved, in part, via the Application of Digital Technologies & Health Informatics. Prerequisites: ISYS 5347 and MGMT 5366.

Marketing (MKTG)
MKTG 5243  Global Marketing  2 SCH (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.
Fee: $250.00
MKTG 5310  Negotiations  3 SCH (3-0)
This 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.
MKTG 5314  Strategic Logistics Mgmt  3 SCH (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.
Fee: $375.00
MKTG 5317  Mktg Mgmt & Value Creation  3 SCH (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 an organization's value chain, are incorporated throughout this course via case studies and personal examples.
MKTG 5320  Logistics and Supply Chain  3 SCH (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.
MKTG 5330  Managing Socio-Political Envir  3 SCH (3-0)
This course will examine crisis communication and management of an increasingly polarized socio-political climate. How to navigate through issues relevant to politics, racial tension, gender discrimination, sexual harassment, first amendment rights, incivility on campuses, religious dialogue, and intersectionality. These issues large arise on various social media platforms, which are often resulting from the spreading or suppressing of popular news, fake news, withheld truths, or even well-intentioned stories that are taken over by online mobs and twisted into something else altogether. This course will address ways to approach social media, importance of civility and understanding, illicit positive conversation and best practices to maintaining a respectful and professional working environment.
MKTG 5350  Crisis Communication & Manag  3 SCH (3-0)
Examines crisis communication and management in the aftermath of unexpected events such as cyber-attack, product recall, natural or manmade disaster, and other situations that require intelligent communication to internal and external stakeholders. Includes how to develop an effective crisis communication plan and strategy.
MKTG 5361  Seminar in Marketing  3 SCH (0-3)
Marketing theory and strategy emphasizing the utilization of marketing concepts in the organization. Prerequisite: MKTG 3361.
Fee: $375.00
MKTG 5369  Spec Prob in Marketing  3 SCH (3-0)
Special studies or internship in marketing. May be repeated once for credit.
Fee: $375.00

Degree Requirements
Business Administration, M.B.A.
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.

1. Prerequisite Courses (see College of Business Administration Webpage (http://www.tamuk.edu/cba))
2. Core Courses (21 credits): (see College of Business Administration Webpage (http://www.tamuk.edu/cba))
3. Elective Courses (9 credits): (see College of Business Administration Webpage (http://www.tamuk.edu/cba))
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.

Collaboration & Team Dynamics, Transcribed Certificate
The Transcribed Certificate in Collaboration & Team Dynamics will prepare students in the areas of negotiations, communication, and team collaboration and help them deal with contemporary issues. This transcribed certificate requires a total of 12 credit hours, the courses are delivered completely online and in an 8-Week format.

Cyber Security, Transcribed Certificate
The Transcribed Certificate in Cyber Security is a non-technical graduate transcribed certificate that prepare students in the area of Cyber Security including Legal issues, policy and implementation, and auditing and compliance. This transcribed certificate requires a total of 12 credit hours, the courses are delivered completely online and in an 8-Week format.

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

Contact Information
Chair: Steve Bain
Phone: 361-593-2430
Email: steve.bain@tamuk.edu
Building Name: Rhode Hall
Room Number: 100

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.

Counseling and Guidance
The Counseling Program offers courses leading to one of two degree plans for potential counselors:
• Master of Science in Clinical Mental Health Counseling (CMHC).
• Master of Science in Counseling and Guidance.

Faculty
Graduate Faculty

Bain, Steve  Associate Professor, Department of Educational Leadership and Counseling; Interim Associate Dean, College of Education and Human Performance; Chair, Department of Educational Leadership and Counseling; Chair, Department of Teacher and Bilingual Education; B.S., University of North Alabama; M.S., Memphis State University; D.Min., Luther Rice Seminary.

Garza, Kristopher  Associate Professor, Department of Educational Leadership and Counseling; B.A., Texas A&M University-Corpus Christi; M.S., Texas A&M University-Corpus Christi; Ph.D., Texas A&M University-Corpus Christi.

Green, Marybeth E  Associate Professor, Department of Educational Leadership and Counseling; B.S., The University of Texas at Austin; M.L.S., The University of Texas at Austin; Ph.D., Texas A&M University.

Liang, Ya-Wen  Assistant Professor, Department of Educational Leadership and Counseling; B.A., Providence University (Taiwan); M.Ed., University of North Texas; Ph.D., Sam Houston State University.

Emeritus
Low, Gary  Professor of Educational Leadership and Counseling, Department of Educational Leadership and Counseling; B.S., University of Corpus Christi; M.S., East Texas State University; Ph.D., East Texas State University.

Courses

Adult Education (ADED)

ADED 5301  Selected Topics in Adult Educa  3 SCH (3)
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.

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

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

ADED 5319  Methods of Adult Education  3 SCH (3)
Development of the knowledge, skills and attitudes which the adult education teacher should possess.

ADED 5320  Community College Teaching  3 SCH (3)
This course focuses specifically on teaching in the community college setting. Research, theory and principles of teaching are combined with clear application to practice. Analysis of theories of teaching and application specifically to the community college student are the central focus.

ADED 5324  Curriculum, Assessment & Eval.  3 SCH (3)
This course focuses on the areas of curriculum, assessment and evaluation at the community college level. Principles for the development, design and implementation of curriculum materials is included. As well, students will examine in-depth the principles of evaluation and assessment within and among programs at the community college level.

ADED 5326  CC Administration & Leadership  3 SCH (3)
This course provides an overview of various elements of leadership at the community level, with a clear understanding of the role of boards of trustees, presidents, faculty, unions, administrator, students, governing agencies and accreditation agencies. The focus is on contemporary leadership and attributes for success with clarification of the needs of the two year institution.

ADED 5330  Admin of Adult Educ Programs  3 SCH (3)
This course provides a comprehensive look at understanding the complexities of administration of an adult education program through organization and administration. It will focus on the use of the Five Functions of Management in the context of adult education. Students will develop administrative knowledge and skill in areas such as administration, organization, leadership, budgeting, funding and support, marketing, human resources, strategic planning, program evaluation, and legal and ethical issues.

ADED 5360  Instr Matls for Adult ESL Stu  3 SCH (3)
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.
ADED 5361  Assessment of Adult ESL  3 SCH (3)
This course 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.

ADED 5370  Online Teaching Adult Learners  3 SCH (3)
Research, theory and principles of adult learning and development are explored with a specific emphasis on adult learners in the online environment. Application of theory is presented and analyzed along with research findings and practices in the planning of adult education and training curricula for the online environment.

ADED 5372  Emerging Tech. in Adult Educ.  3 SCH (3)
Provides a comprehensive analysis on the role of emerging technology in transforming teaching and learning in adult and higher education. Course topics will focus on online and blended learning opportunities, personalized learning and learner-centered teaching, educational gaming, and mobile learning.

ADED 5374  Multicultural Ed in Adult Ed  3 SCH (3)
This course will utilize a critical multicultural framework to trace the evolution of the adult learner in the educational system. Students in this course will examine practices and policies to recognize and understand the importance of managing diversity for underserved and underrepresented students entering adult education.

ADED 5379  Adult Learning and Development  3 SCH (3)
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.

ADED 5388  Introd to Adult Education  3 SCH (3)
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.

ADED 5389  Eval and Meas in Adult Educ  3 SCH (3)
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.

ADED 5390  Community Education  3 SCH (3)
ADED 5391  Curr and Prog Plan in Adult Ed  3 SCH (3)
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.

ADED 5392  Adult Educ Res Practicum  3 SCH (3)
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.

ADED 5393  Counseling Adults  3 SCH (3)
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.

ADED 5394  Tutorial in Adult Education  3 SCH (3)
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.

ADED 5396  Teaching Lit & RDG Skills  3 SCH (3)
Methods, materials and techniques for teaching literacy and reading skills to adults.

ADED 5398  Bilingual Adult Education  3 SCH (3)
In-depth treatment of the special learning problems encountered by illiterate, monolingual non-English speaking and undereducated adults.

Counseling and Guidance (EDCG)

EDCG 5301  Statistical Methods  3 SCH (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.

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

EDCG 5306  Thesis  3 SCH (3)
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for maximum of 6 semester hours.
EDCG 5310  Prof Orient & Ethical Practice  3 SCH (3-0)
Introduction to the principles, practices and philosophy in 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.

EDCG 5311  Theories of Counseling  3 SCH (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.

EDCG 5312  Counseling Techniques  3 SCH (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.

EDCG 5315  Ethcs and Legl Issues in Cous  3 SCH (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 view points will be presented to stimulate discussion, exploration and reflection.

EDCG 5320  Ed Spec Probs in Guid and Coun  3 SCH (3)
Study of problems in designated areas approved by the university. May be repeated when the topic changes.

EDCG 5321  Abnormal Human Behavior  3 SCH (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.

EDCG 5322  Substance Abuse Counseling  3 SCH (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.

EDCG 5323  Group Counseling Techniques  3 SCH (3)
Designed to provide the student with an understanding of group dynamics, theories and techniques.

EDCG 5324  Assessment  3 SCH (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.

EDCG 5329  Educational Research  3 SCH (0-3)
Use of resources, techniques and basic skills.

EDCG 5330  Stud Pers Serv In Higher Ed  3 SCH (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.

EDCG 5336  Adv Child Growth and Develop  3 SCH (3-0)
Application of concepts of growth, behavior and learning in child development.

EDCG 5337  Adv Adolescnt Growth and Devel  3 SCH (3)
Application of concepts of growth, development and learning of adolescents and youth.

EDCG 5339  Human Growth and Development  3 SCH (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.

EDCG 5341  Guidance Advanced Topics  3 SCH (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.

EDCG 5345  Diagnosis in Counseling  3 SCH (3-0)
Diagnosis in counseling covers types of human distress, as described in the current version of the Diagnostic and Statistical Manual of Mental Disorders (DSM), including the development of tools for the understanding and critical appraisal of abnormal human behavior across the life-span. Students will learn strategies and techniques for assessing client needs and strengths, diagnostic impressions, counselor characteristics, and treatment planning when working with clients in a variety of settings.
EDCG 5347  Undrstndng and Couns Childrn  3 SCH (3-0)
Cross-cultural and pluralistic counseling, the dynamics of minority ethnic group life-styles, and the uniqueness of multiethnic education.

EDCG 5350  Marriage & Family Counseling  3 SCH (3-0)
This course will introduce students to the study of marriage, couple, and family counseling. Students will gain knowledge and skills in personal and family development, family system dynamics, interpersonal relationships, and social roles and boundaries within marriage, couple, and family counseling. The course will include a variety of theories and techniques for marriage, couple, and family therapy with particular importance on multicultural sensitivity, as well as legal and ethical issues in the practice of marriage, couple, and family counseling.

EDCG 5354  Prog Devel School Counselors  3 SCH (3-0)
Philosophical, sociological and psychological principles and concepts related to guidance and counseling and the helping professions.

EDCG 5355  Mats and Tech for Career Educ  3 SCH (3-0)
Theories and techniques of developing, classifying, analyzing and disseminating vocational and career information.

EDCG 5357  Field Practicum for Counselors  3 SCH (0-3)
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.

EDCG 5358  Elem Guidance and Coun Techq  3 SCH (3-0)
This course is designed to give special attention to the particular personal, social and academic needs of elementary age children.
Fee: $55.00

EDCG 5360  Community/Rural Mental Health  3 SCH (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.

EDCG 5362  Rural Leadership & Advocacy  3 SCH (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 of 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.

EDCG 5364  Crisis Counseling  3 SCH (3-0)
This course will review crisis counseling techniques related to a variety of crisis situations that may occur within 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 and discussions and class.

EDCG 5366  CMHC Internship I  3 SCH (0-3)
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.

EDCG 5368  CMHC Internship II  3 SCH (0-3)
This is the second 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.

Educational Administration (EDAD)

EDAD 5301  Behav and Org Found of Educ  3 SCH (3-0)
Foundations of sociological, psychological, historical and philosophical views of education; school organization, including program of study, personnel, levels and varied approaches.
Fee: $55.00

EDAD 5302  Elem and Secondary Curricula  3 SCH (3-0)
Elementary and secondary school curriculum materials, design and methods.

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

EDAD 5306  Thesis  3 SCH (3)
This course is 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 in the last 3 hours of thesis.

EDAD 5307  Sch Admin Advance Problems  3 SCH (3-0)
Major problems of the school administrator. Each student will accept one major problem for a term paper. Administration credit.
EDAD 5312 Supervision Advanced Problems 3 SCH (3-0)
Major problems of supervision. Students explore problems related to professional development and assessment. Administrative credit.

EDAD 5313 Sch Admin Public Sch Fin 3 SCH (3-0)
Theory and practices including federal, state and local levels. Theory and practices in taxing and budgeting with emphasis on Texas system. Administrative credit.

EDAD 5315 Admin of Various Spec Progrm 3 SCH (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.

EDAD 5317 Workshop: Adv School Prob 3 SCH (3)

EDAD 5320 Education Special Problems 3 SCH (3-0)
Study of school problems in designated areas as approved by the university. May be repeated for credit when topic changes.

EDAD 5330 Multicultural Ed for Educators 3 SCH (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.

EDAD 5341 School Administration 3 SCH (3-0)
School systems with emphasis upon decision making and problem solving of school boards, superintendents, principals and teachers to promote student success.

EDAD 5342 Principalship 3 SCH (3-0)
Administration and supervision of the elementary and secondary school; shared vision, leadership, organization, faculty functions, qualifications and selection.

EDAD 5343 Managing School Resources 3 SCH (3-0)
Administration of the school. Function, organization, physical equipment, campus budgeting, personnel, resource utilization, financial management, and technology use for safe and effective learning environment.

EDAD 5344 Supervision 3 SCH (3-0)
The purpose and methods of effective school supervision. Focus on instructional leadership development. General administration. Fee: $75.00

EDAD 5345 Internship in Sch Admin 3 SCH (0-3)
On-the-job projects for the purpose of practical application of administrative tasks.

EDAD 5351 Staff and Pupil Personnel Adm 3 SCH (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.

EDAD 5352 Facilities Planning 3 SCH (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.

EDAD 5381 Admin and Mgmt of Spec Problms 3 SCH (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.

EDAD 5382 School Public Relations 3 SCH (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.

EDAD 5383 Public School Law 3 SCH (3-0)
Federal and state legal regulations as they relate to public school administration. Integrity, fairness, and ethics to promote student success.

EDAD 5384 Adv Prob in Superintendency 3 SCH (3-0)
Current problems in the school superintendency are studied in depth.

EDAD 5385 Superintendent Internship 3 SCH (3-0)
Practical application of tasks in the area of the superintendent.

Instructional Technology (EDIT)
EDIT 5303 Internship Instructional Tech 3 SCH (0-3)
Field-based projects and experiences for the purpose of practical application of instructional technology.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours (SCH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDIT 5305</td>
<td>Graduate Research Project</td>
<td>3 SCH (3)</td>
</tr>
<tr>
<td>EDIT 5311</td>
<td>Intro Digital Learning Society</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5312</td>
<td>WWW Learning Environments</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5313</td>
<td>Prin of Instl Design &amp; Tech</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5315</td>
<td>Instruct Tech: Adv Topics</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5316</td>
<td>Instructional Design</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5318</td>
<td>Adv Instr Strat &amp; Lrng Theory</td>
<td>3 SCH (3-0)</td>
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<tr>
<td>EDIT 5320</td>
<td>Multimedia Design &amp; Production</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5321</td>
<td>Instructional Tech Leadership</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5322</td>
<td>Computer and Internet Law</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5327</td>
<td>Intro. to Online Learning</td>
<td>3 SCH (3-0)</td>
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<tr>
<td>EDIT 5329</td>
<td>Education Research</td>
<td>3 SCH (0-3)</td>
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<tr>
<td>EDIT 5335</td>
<td>Action Research</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5340</td>
<td>Emerging Trends &amp; Issues</td>
<td>3 SCH (3-0)</td>
</tr>
<tr>
<td>EDIT 5372</td>
<td>Spec Problem Instruct Tech</td>
<td>3 SCH (3-0)</td>
</tr>
</tbody>
</table>

**EDIT 5305 Graduate Research Project  3 SCH (3)**
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: department approval.

**EDIT 5311 Intro Digital Learning Society  3 SCH (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.

**EDIT 5312 WWW Learning Environments  3 SCH (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 WWW.

**EDIT 5313 Prin of Instl Design & Tech  3 SCH (3-0)**
This course provides an overview of the field of Instructional Technology. Course content and activities will help students develop an awareness and understanding of the history, theories, and philosophies driving the field. In addition, this course will survey current trends and issues in the field.

**EDIT 5315 Instruct Tech: Adv Topics  3 SCH (3-0)**
Selected topics related to the Instructional Technology field. May be repeated when the topic changes.

**EDIT 5316 Instructional Design  3 SCH (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.

**EDIT 5318 Adv Instr Strat & Lrng Theory  3 SCH (3-0)**
Advanced teaching skills and strategies for experienced teachers. Verbal and nonverbal instructional strategies and positive discipline approaches.

**EDIT 5320 Multimedia Design & Production  3 SCH (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.

**EDIT 5321 Instructional Tech Leadership  3 SCH (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.

**EDIT 5322 Computer and Internet Law  3 SCH (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.

**EDIT 5327 Intro. to Online Learning  3 SCH (3-0)**
Methods/strategies for the development and utilization of technology for teaching and learning at a distance. Students will engage in activities to master skills in the integration of technology in teaching and learning through research of theory and practice to develop appropriate learning pedagogies.

**EDIT 5329 Education Research  3 SCH (0-3)**
Use of resources, techniques and basic skills.

**EDIT 5335 Action Research  3 SCH (3-0)**
Introduction to action research through the investigation of a significant question or issue related to instructional technology in student’s learning environment.

**EDIT 5340 Emerging Trends & Issues  3 SCH (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.

**EDIT 5372 Spec Problem Instruct Tech  3 SCH (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.
Degree Requirements

Adult Education, M.Ed.
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.

Clinical Mental Health Counseling, M.S.
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”.

Counseling and Guidance, M.S.
This is a 36-hour degree designed for those who seek certification in Texas as a School Counselor or who wish to pursue a non-license degree.

Educational Administration, M.S.
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.

Instructional Technology, M.S.
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.

Department of Health and Kinesiology

Contact Information
Chair: Daniel J. Burt
Phone: 361-593-2301
Email: daniel.burt@tamuk.edu
Building Name: Steinke Physical Education Center
Room Number: 100

The mission of the M.S. in Kinesiology program is to promote the study of fitness/wellness, sport management, 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 human movement 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 internship, or 30-credit hour option requiring a thesis. Students may pursue a general kinesiology degree or they may pursue the degree with a formal concentration in health/exercise science, performance psychology, or sport management. The general kinesiology degree, as well as the formal concentrations in health/exercise science and performance psychology are only offered in a traditional format (i.e., face-to-face courses are required, with the option to take some online courses), while the sport management concentration is only offered online and restricted to students meeting the requirements for entry into the department’s online cohort.

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 for the general kinesiology, health/exercise science, and performance psychology concentrations must have undergraduate education in kinesiology or related area, while applicants for the sport management concentration are exempt from this requirement. Specifically,
a. Applicants for the general kinesiology, health/exercise science, and performance psychology concentrations who hold a bachelor's degree in kinesiology or related area are eligible for admission into the program if their 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 denied admission or required to complete prerequisite undergraduate course work prior to or early in his/her graduate course work.

b. Applicants for the general kinesiology, health/exercise science, and performance psychology concentrations who hold a bachelor's degree 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 acceptable 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 denied admission or required to complete prerequisite undergraduate course work prior to or early in his/her graduate course work.

4. Applicants must have demonstrated a high-level of professional and ethical conduct during their academic career to date.

5. 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.

Faculty

Graduate Faculty

Cutton, David Associate Professor, Department of Health and Kinesiology; B.S., University of Florida; Ph.D., Louisiana State University and A&M College.

Hearon, Christopher Professor, Department of Health and Kinesiology; Chair; B.S., Texas Tech University; M.Ed., Texas Tech University; Ph.D., Louisiana State University and A&M College.

Associate Member

Burt, Daniel Associate Professor, Department of Health and Kinesiology; B.A., Ouachita Baptist University; M.S., Henderson State University; Ph.D., University of Arkansas.

Farney, Tyler Assistant Professor, Department of Health and Kinesiology; B.A., Colorado State University; M.S., University of Memphis; Ph.D., Louisiana State University and A&M College.

Killion, Lorraine Associate Professor, Department of Health and Kinesiology; B.S., Stephen F. Austin State University; M.A., University of Houston at Clear Lake; M.Ed., Prairie View A&M University; Ed.D., University of Houston.

Knight, Melody Professor, Department of Health and Kinesiology; B.S., Southwest Baptist College; M.Ed., Texas Tech University; Ph.D., Texas A&M University.

Kowalsky, Robert Assistant Professor, Department of Health and Kinesiology; B.S., Slippery Rock University; M.S., University of Pittsburgh; Ph.D., University of Pittsburgh.

Menaker, Brian Assistant Professor, Department of Health and Kinesiology; B.A., Grinnell College; M.A., University of Iowa; Ph.D., University of Florida.

Ruiz, Alberto Professor, Department of Health and Kinesiology; Dean, College of Education and Human Performance; B.S., Texas A&M University-Kingsville; M.S., Texas A&M University-Kingsville; Ed.D., University of Houston.

Sherman, Nestor W Professor, Department of Health and Kinesiology; Regents Professor; B.S.E., State University of New York at Cortland; M.Ed., University of Houston; Ed.D., University of Houston.

Shipherd, Amber Assistant Professor, Department of Health and Kinesiology; B.S., University of California, Davis; M.S., Florida State University; Ph.D., Texas Tech University.

Stone, Matthew Assistant Professor, Department of Health and Kinesiology; B.S., University of Mary Hardin-Baylor; M.S.Ed., University of Mary Hardin-Baylor; Ph.D., University of Arkansas.

Emeritus

Daniel, Michael Professor, Department of Health and Kinesiology; B.S.E., Southern State College; M.A., University of Missouri-Columbia; Ed.D., University of Arkansas.

Diaz, Livia Assistant Professor of Health and Kinesiology, Department of Health and Kinesiology; B.S., The University of Texas at Austin; M.S., University of New Mexico.
Courses

Health (EDHL)

EDHL 5311  Sci Foundations of Health Educ  3 SCH (3-0)
To identify, relate, apply and evaluate scientific materials relevant to scientific foundations of Health Education.

EDHL 5321  Crit Anal of Issues in Hlth Ed  3 SCH (3-0)
Contemporary issues and modern-day problems are identified and thoroughly analyzed through extensive reading and discussion.

EDHL 5322  Seminar in Selected Topics  3 SCH (0-3)
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)

EDKN 5100  Kinesiology Comprehensive Exam  1 SCH (1-0)
Culminating demonstration of Master's level proficiency in kinesiology. Prerequisite: departmental approval. May be repeated once for credit. Credit/no credit course.

EDKN 5301  Coaching and Officiating  3 SCH (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.

EDKN 5303  Teach College Phys Educ  3 SCH (3-0)
The basic instructional and co-curricular program of physical education for colleges and universities.

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

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

EDKN 5308  Administration of Athletics  3 SCH (3-0)
The problems, basic procedures and current practices involved in the administration of interscholastic, intercollegiate and professional athletics.

EDKN 5309  Org and Adm of Kinesiology Prg  3 SCH (3-0)
Principles, practices and applied procedures in the organization, administration and supervision of school physical education programs.

EDKN 5312  Physiology of Exercise  3 SCH (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.

EDKN 5315  Current Issues and Trends  3 SCH (3-0)
Examines contemporary problems in kinesiology. Prerequisite: program majors must have 12 advanced hours in the field.

EDKN 5316  Hist and Philos of Sport Perfm  3 SCH (3-0)
Examines the historical and philosophical perspectives of kinesiology. Prerequisite: program majors must have 12 advanced hours of kinesiology.

EDKN 5317  Research in Kinesiology  3 SCH (3-0)
Introduction to research in kinesiology.

EDKN 5319  Psychological Aspects of KN  3 SCH (3-0)
Sport and psychological factors related to sport and exercise participation, active living, and injury rehabilitation. Topic 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.

EDKN 5320  Motor Learning/Motor Control  3 SCH (3-0)
The course provides instruction in how humans control locomotion and how they learn/re-learn motor skills. Specifically, the course emphasizes the observable behavioral aspects of motor control/learning while detailing the neurophysiological and biomechanical processes that result in the aforementioned motor behaviors.

EDKN 5321  Sport and Athletic Law  3 SCH (3-0)
An examination of a variety of cases that have had a substantial impact on the legal environment of sport. As such this course 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.
EDKN 5322  Fitness/Nutrition/Weight Ctrl  3 SCH  (3-0)
The course 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, the course will consider the preventative role of nutrition in various disease states including cardiovascular disease, degenerative bone disease, and diabetes.

EDKN 5323  Perf in Environmental Extremes  3 SCH  (3-0)
The effect of heat/humidity, cold/wind chill, depth, altitude, microgravity, hypergravity, and air quality on the physiology of the resting and exercising human body.

EDKN 5324  Youth Fitness and Performance  3 SCH  (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.

EDKN 5325  Aging and Physical Activity  3 SCH  (3-0)
An examination of the physical dimensions of aging, with specific emphasis on the effects of physical activity on the process.

EDKN 5326  Sport Marketing & Technology  3 SCH  (3-0)
An examination of the intersection of marketing and technology in sport business management. In addition to defining the elements of marketing, the course examines the impact of technology on the marketing of sport and the reciprocal influence of marketing upon technology.

EDKN 5327  Sport in the Modern World  3 SCH  (3-0)
The impact of kinesiology and sport on society and its institutions. The course 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.

EDKN 5329  Applied Sprt, Ex, & Perf Psych  3 SCH  (3-0)
The application of psychosocial factors related to sport and exercise participation, and performance enhancement. Topics include: goal-setting, imagery, self-talk, arousal regulation, confidence, injury, motivation, leadership, group development, and cohesion. Prerequisite: EDKN 5319.

EDKN 5333  Seminar in Selected Topics  3 SCH  (0-3)
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.

EDKN 5338  Statistical Analy of Res Data  3 SCH  (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.

**Degree Requirements**

**Kinesiology, M.S. - Course Only Option**
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Major Core Courses</td>
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<tr>
<td>EDKN 5312</td>
<td>Physiology of Exercise</td>
<td></td>
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<tr>
<td>EDKN 5317</td>
<td>Research in Kinesiology</td>
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</tr>
<tr>
<td>EDKN 5338</td>
<td>Statistical Analy of Res Data</td>
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<tr>
<td>Major Elective Courses</td>
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<td>Free Elective Courses</td>
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<tr>
<td>Select from 5000-level courses outside of EDHL or EDKN that are determined to be germane to kinesiology and approved in advance by the Program Coordinator.</td>
<td>2</td>
<td></td>
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</table>

1. Except for EDKN 5305, EDKN 5306, EDKN 5312, EDKN 5317 or EDKN 5338.
2. 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.

**Kinesiology, M.S. - Research Project Option**
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

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<td>EDKN 5338</td>
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Major Research Courses

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Major Elective Courses

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Free Elective Courses

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<td>Select from 5000-level courses outside of EDHL or EDKN that are determined to be germane to kinesiology and approved in advance by the Program Coordinator.</td>
<td>0-12</td>
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</table>

1 Except for EDKN 5305, EDKN 5306, EDKN 5312, EDKN 5317 and EDKN 5338.
2 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.

Kinesiology, M.S. - Thesis Option

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDKN 5312</td>
<td>Physiology of Exercise</td>
<td>9</td>
</tr>
<tr>
<td>EDKN 5317</td>
<td>Research in Kinesiology</td>
<td></td>
</tr>
<tr>
<td>EDKN 5338</td>
<td>Statistical Analy of Res Data</td>
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</tr>
</tbody>
</table>

Major Research Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDKN 5306</td>
<td>Thesis (A)</td>
<td>6</td>
</tr>
<tr>
<td>EDKN 5306</td>
<td>Thesis (B)</td>
<td></td>
</tr>
</tbody>
</table>

Major Elective Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select from 5000-level EDHL or EDKN courses</td>
<td>3-15</td>
</tr>
</tbody>
</table>

Free Elective Courses

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select from 5000-level courses outside of EDHL or EDKN that are determined to be germane to kinesiology and approved in advance by the Program Coordinator.</td>
<td>0-12</td>
</tr>
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1 Except for EDKN 5305, EDKN 5306, EDKN 5312, EDKN 5317 and EDKN 5338.
2 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.

Kinesiology, M.S. (Health/Exercise Science Concentration) - Course Only Option

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.

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</tr>
</thead>
<tbody>
<tr>
<td>EDHL 5322</td>
<td>Seminar in Selected Topics</td>
<td>15-27</td>
</tr>
</tbody>
</table>

1
EDKN 5319  Psychological Aspects of KN
EDKN 5320  Motor Learning/Motor Control
EDKN 5322  Fitness/Nutrition/Weight Ctrl
EDKN 5323  Perf in Environmental Extremes
EDKN 5324  Youth Fitness and Performance
EDKN 5325  Aging and Physical Activity
EDKN 5327  Sport in the Modern World
EDKN 5333  Seminar in Selected Topics
EDKN 5329  Applied Sprt, Ex, & Perf Psych

**Free Elective Courses**

Select from 5000-level courses outside of EDHL or EDKN that are determined to be germane to the health/exercise sciences and approved in advance by the Program Coordinator.1

Seminar courses must have an approved health/exercise science topic as determined in advance by the Program Coordinator.2

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.

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**Kinesiology, M.S. (Health/Exercise Science Concentration) - Research Project Option**

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.

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<tr>
<td><strong>Major Research Courses</strong></td>
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<td>3</td>
</tr>
<tr>
<td>EDKN 5305</td>
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<tr>
<td><strong>Major Elective Courses</strong></td>
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<td>12-24</td>
</tr>
<tr>
<td>EDHL 5322</td>
<td>Seminar in Selected Topics 1</td>
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</tr>
<tr>
<td>EDKN 5319</td>
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Select from 5000-level courses outside of EDHL or EDKN that are determined to be germane to the health/exercise sciences and approved in advance by the Program Coordinator.2

Seminar courses must have an approved health/exercise science topic as determined in advance by the Program Coordinator.1

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.

---

**Kinesiology, M.S. (Health/Exercise Science Concentration) - Thesis Option**

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.
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<td></td>
<td><strong>Major Research Courses</strong></td>
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</tr>
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<tr>
<td></td>
<td><strong>Free Elective Courses</strong></td>
<td>0-12</td>
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</table>

1. Seminar courses must have an approved health/exercise science topic as determined in advance by the Program Coordinator.

2. NOTE: If the student take 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.

## Kinesiology, M.S. (Performance Psychology Concentration) - Course Only Option

The 36 credit hour requirement is met through major core and counseling core courses, and major elective and/or free elective courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Major Core Courses</strong></td>
<td>18</td>
</tr>
<tr>
<td>EDKN 5312</td>
<td>Physiology of Exercise</td>
<td></td>
</tr>
<tr>
<td>EDKN 5317</td>
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1. Seminar courses must have an approved health/exercise science topic as determined in advance by the Program Coordinator.

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<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>EDCG 5310</td>
<td>Prof Orient &amp; Ethical Practice</td>
<td></td>
</tr>
<tr>
<td>or PSYC 5333</td>
<td>Ethics and Legal issues</td>
<td></td>
</tr>
<tr>
<td>EDCG 5312</td>
<td>Counseling Techniques</td>
<td></td>
</tr>
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<td>EDHL 5322</td>
<td>Seminar in Selected Topics</td>
<td>0-12</td>
</tr>
<tr>
<td>EDKN 5315</td>
<td>Current Issues and Trends</td>
<td></td>
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</table>
### Kinesiology, M.S. (Performance Psychology Concentration) - Research Project Option

The 36 credit hour requirement is met through major core, counseling core and major research courses, and major elective and/or free elective courses.

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>EDKN 5312</td>
<td>Physiology of Exercise</td>
<td>21</td>
</tr>
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<td>EDKN 5317</td>
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</tbody>
</table>

| **Counseling Core Courses**                                                                 |
| EDCG 5310 | Prof Orient & Ethical Practice             | 6                     |
| or PSYC 5333 | Ethics and Legal issues                  |                       |
| EDCG 5312 | Counseling Techniques                      |                       |

| **Major Research Courses**                                                                 |
| EDKN 5305 | Graduate Research Project                  | 3                     |

| **Major Elective Courses**                                                                 |
| EDHL 5322 | Seminar in Selected Topics                  | 0-6                   |
| EDKN 5315 | Current Issues and Trends                   |                       |
| EDKN 5322 | Fitness/Nutrition/Weight Ctrl               |                       |
| EDKN 5323 | Perf in Environmental Extremes              |                       |
| EDKN 5324 | Youth Fitness and Performance               |                       |
| EDKN 5325 | Aging and Physical Activity                 |                       |
| EDKN 5327 | Sport in the Modern World                   |                       |
| EDKN 5333 | Seminar in Selected Topics                  |                       |

| **Free Elective Courses**                                                                 |
| Select from 5000-level courses outside of EDHL or EDKN that are determined to be germane to performance psychology and approved in advance by the Program Coordinator. |

1 Seminar courses must have an approved performance psychology topic as determined in advance by the Program Coordinator.

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### Kinesiology, M.S. (Performance Psychology Concentration) - Thesis Option

The 30 credit hour requirement is met through major core, counseling core, and major research courses.
### Kinesiology, M.S. (Sport Management Concentration) - Course Only Option

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.

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<tbody>
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<td>EDKN 5308</td>
<td>Administration of Athletics</td>
<td>9</td>
</tr>
<tr>
<td>EDKN 5317</td>
<td>Research in Kinesiology</td>
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</tr>
<tr>
<td>EDKN 5301</td>
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</tr>
<tr>
<td>EDKN 5309</td>
<td>Org and Adm of Kinesiology Prg</td>
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<tr>
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<td>Current Issues and Trends</td>
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<tr>
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<tr>
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<td>Seminar in Selected Topics ¹</td>
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</table>

¹ Seminar courses must have an approved sport management topic as determined in advance by the Program Coordinator.

### Kinesiology, M.S. (Sport Management Concentration) - Research Project Option

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.

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### Kinesiology, M.S. (Sport Management Concentration) - Thesis Option

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1 Seminar courses must have an approved sport management topic as determined in advance by the Program Coordinator.

2 NOTE: If the student takes 9 or more credit hours of free electives in specific discipline, he/she will be required to take a comprehensive examination covering his/her coursework from that discipline.
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NOTE: If the student takes 9 or more credit hours of free elective 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

Contact Information
Chair: Steve Bain
Phone: 361-593-2430
Email: steve.bain@tamuk.edu
Building Name: Rhode Hall
Room Number: 100

Welcome to the Department of Teacher and Bilingual Education!

The Department of Teacher and Bilingual Education serves the entire university as the home for Educator Preparation Program at Texas A&M University-Kingsville. All paths leading to Texas certification, regardless of college, whether undergraduate or graduate, are guided by the College of Education and Human Performance through the Department of Teacher and Bilingual Education and the Center for Educator Preparation Services.

We offer five specialized master's degree programs and the nation's first Bilingual Education Doctorate. Highlights of our program are our outstanding faculty who offer nurturing academic environments for learning through traditional, hybrid, and online course delivery. We house the King Ranch Early Childhood Center and we sponsor the Annual Conference in Bilingual Education since 1975 (44 years).

We invite you to pursue the dynamic careers that await you in the education profession; begin or continue your academic journey through the Department of Teacher and Bilingual Education.

Faculty
Graduate Faculty
Bradley, Jack Professor, Department of Teacher and Bilingual Education; B.A., Michigan State University; M.Ed., University of West Florida; Ed.D., Texas A&M University.

Bradley, Karen Sue Professor, Department of Teacher and Bilingual Education; Regents Professor; B.A., Michigan State University; M.A., Michigan State University; Ed.D., Texas A&M University.

Desiderio, Michael Professor, Department of Teacher and Bilingual Education; B.S.Ed., John Brown University; M.Ed., Sul Ross State University; Ph.D., Texas A&M University.

Garcia-Obregon, Zonia Senior Lecturer, Department of Teacher and Bilingual Education; B.B.A., Texas A&I University; M.S., Texas A&I University; Ed.D., Texas A&M University-Kingsville.

Garza-Reyna, Gina Assistant Professor, Department of Teacher and Bilingual Education; B.I.S., The University of Texas-Pan American; M.Ed., The University of Texas-Pan American; Ed.D., Texas A&M University-Kingsville.

Huskin, Patricia Assistant Professor, Department of Teacher and Bilingual Education; B.S., California State University, Fullerton; M.Ed., The University of La Verne; Ph.D., University of New Mexico.

Emeritus
Bogener, Jerry Professor of Education, Department of Teacher and Bilingual Education; B.S., Missouri State Teachers College; M.A., Missouri State Teachers College; Ed.D., University of Kansas.
Gonzalez, Gustavo  Professor of Bilingual Education, Department of Teacher and Bilingual Education; B.A., The University of Texas at Austin; M.A., The University of Texas at Austin; Ph.D., The University of Texas at Austin.

Harvey, Frederick  Professor of Education, Department of Teacher and Bilingual Education; B.A., Kearney State College; M.Ed., University of Nebraska; Ed.D., University of Nebraska.

Hopkins, Grace  Professor of Curriculum and Instruction, Department of Teacher and Bilingual Education; B.A., DePaul University; M.Ed., University of Illinois; Ph.D., University of Illinois.

Morales, Maria  Professor of Bilingual Education, Department of Teacher and Bilingual Education; B.S., Texas Woman's University; M.S., Texas A&M University; Ph.D., The University of Texas at Austin.

Courses

Bilingual Education (EDBL)

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

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

EDBL 5338 Foundations of Bilingual Edu  3 SCH (3-0)
Introduction to conceptual, linguistic, sociological, historical and legal foundations of bilingual education.

EDBL 5358 Bil Child Biculture Env  3 SCH (3-0)
Psychological and sociological perspectives on the child’s learning environment.

EDBL 5386 Math Sci and SS in Bil Clsr  3 SCH (3-0)
Methods, techniques and vocabulary needed for teaching mathematics, science and social studies in Spanish will be presented.

EDBL 5387 Lang Arts and Read in Bil Clsr  3 SCH (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)

EDEC 5305 Graduate Research Project  3 SCH (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.

EDEC 5316 Soc and Natural Sci Studies  3 SCH (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.

EDEC 5333 Foundations of Early Ch Curr  3 SCH (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.

EDEC 5334 Prof Lab Exper Early Ch Ed  3 SCH (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.

EDEC 5335 Integrated Curriculum  3 SCH (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.

EDEC 5349 Creative Activities and Play  3 SCH (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.

EDEC 5351 Spec Prob Sem in Early Ch Ed  3 SCH (0-3)
The identification and research of specific problems as they relate to preschool programs. May be repeated once.

EDEC 5352 Sem Early Childhood Prog Lead  3 SCH (0-3)
The identification and study of the elements, issues, and challenges of leading an early childhood program.

EDEC 5359 Math in Early Childhood Ed  3 SCH (3-0)
Development of logical thought and reasoning in young children. Developmentally appropriate activities and materials for promoting quantitative concepts.
for all learners from K-12 utilizing appropriate TEKS, resources and materials.

### Education (EDED)

**EDED 5303 Internship in Instr Tech** 3 SCH (0-3)
Field-based projects and experiences for the purpose of practical application of instructional technology.

**EDED 5304 Alt Cert Teaching Inrtnshp** 3 SCH (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.

**EDED 5305 Graduate Project** 3 SCH (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. May be repeated for a maximum of 6 semester hours.

**EDED 5307 Novice Teacher Induct Seminar** 3 SCH (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.

**EDED 5315 Classroom Dynamics** 3 SCH (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.

**EDED 5318 Adv Strategies and Lrng Theories** 3 SCH (3-0)
Advanced teaching skills and strategies for experienced teachers. Verbal and nonverbal instructional strategies and positive discipline approaches.

**EDED 5320 Multimedia Design & Production** 3 SCH (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.

**EDED 5321 Instructional Tech Leadership** 3 SCH (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.

**EDED 5325 Instructional Design** 3 SCH (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 the Dick and Carey model.

**EDED 5327 Intro to Online Learning** 3 SCH (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.

**EDED 5329 Educational Research** 3 SCH (0-3)
Use of resources, techniques and basic skills.

**EDED 5336 Adv Child/Adol Dev/Behavior** 3 SCH (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.

**EDED 5371 Education Special Problems** 3 SCH (3-0)
Study of school problems in designated areas approved by the university. May be repeated for credit when topic changes.

**EDED 5376 Pedagogical Methods** 3 SCH (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 all learners from K-12 utilizing appropriate TEKS, resources and materials.
English as a Second Language (EDSL)

EDSL 5320 Research in Eng as a Sec Lang  3 SCH (3-0)
This course focuses on research in ESL with special emphasis on research methods suitable to the field.

EDSL 5330 ESL Assessment for Elem Sec Lev  3 SCH (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.

EDSL 5333 Contrstiv Analy Span and Eng  3 SCH (3-0)
The study of contrastive analysis and its application in identifying potential problem areas for Spanish speakers learning English as a Second Language.

EDSL 5335 Teach Mats for Elem Sec Clrm  3 SCH (3-0)
The evaluation, adaptation and development of instructional materials in ESL suitable for different elementary and secondary classroom environments.

EDSL 5367 Lang Acquisition and Devel  3 SCH (3-0)
Theories of child’s first language acquisition and second language learning presented and researched.

EDSL 5377 Teach Eng as a Second Lang  3 SCH (3-0)
Theories and methodologies for teaching listening, speaking, reading and writing of English as a second language.

Reading (EDRG)

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

EDRG 5314 Rdg Diagnosis & Remediation  3 SCH (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. Prerequisites: EDRG 5372.

EDRG 5332 Using Trade Books to Teach Rdg  3 SCH (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.

EDRG 5348 Wkshp in Teachng the Lang Arts  3 SCH (0-3)
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.

EDRG 5371 Foundations of Reading  3 SCH (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.

EDRG 5372 Developmental Reading  3 SCH (3-0)
Topics such as reading readiness, beginning reading, word recognition and comprehension skills, needs assessment and instructional strategies. Fee: $55.00

EDRG 5373 Improving Reading in Sec Sch  3 SCH (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 element requirements in secondary reading classes.

EDRG 5375 Org and Supervision of Rdg Prog  3 SCH (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.

EDRG 5376 Sem in Spec Probs in Rdg  3 SCH (0-3)
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.

EDRG 5377 Clin Practicum in Reading  3 SCH (0-3)
Experience in developing competency in diagnosis and remediation of reading deficiencies in clinical setting. Prerequisite: EDRG 5314 and EDRG 5372.

Special Education (EDSE)

EDSE 5304 Research in Special Educ  3 SCH (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.
EDSE 5305 Graduate Research Project 3 SCH (3)
Designed for project option students and requires completion of research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

EDSE 5306 Thesis 3 SCH (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.

EDSE 5313 Spec Pop Legis Litigatn Advoc 3 SCH (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.

EDSE 5320 Special Ed Special Problems 3 SCH (0-3)
Study of designated areas in special education as approved by the university. May be repeated for credit when topics change. Prerequisite: EDSE 5360.

EDSE 5323 Curr Adapt Exc Biling Student 3 SCH (3-0)
Curriculum needs and program planning for culturally and linguistically different exceptional students. Prerequisite: EDSE 5360.

EDSE 5333 Bilingual Child Spec Ed 3 SCH (3-0)
An overview of special education issues relevant to handicapped, limited English proficient children. Prerequisite: EDSE 5360.

EDSE 5360 Accom Diverse Poplatn in Clsrn 3 SCH (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.

EDSE 5361 Ed and Psy Measrmt and Eval 3 SCH (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.

EDSE 5362 Behav Aspec Clsrn Org and Mgt 3 SCH (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.

EDSE 5364 Design Instr and Behav Progs 3 SCH (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.

EDSE 5365 Adv Practicum in Spec Educ 3 SCH (0-3)
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, EDSE 5361, and EDSE 5366.

EDSE 5366 Indiv Psychol and Educ Testng 3 SCH (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.
Fee: $55.00

EDSE 5367 Assess Ind Severe Disabilities 3 SCH (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.

EDSE 5370 Id Young Chldrn with Spe Needs 3 SCH (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.

EDSE 5373 Development and Disability 3 SCH (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.

Degree Requirements
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, M.A. or M.S.
The Master’s degree in Bilingual Education is designed to promote the professional development of school personnel involved in meeting the educational needs of Limited English Proficient (LEP) students. The program is open to teachers, administrators, counselors, supervisors, and other professional interested in the education of language minority students. Courses are conveniently scheduled to accommodate the needs of persons working full-time. The department also offers courses leading to certification.

Early Childhood, M.Ed.
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.

Education, M.S.
The education classes serve to prepare individuals to work in all areas of education and many education related fields.

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.

Reading Specialist EC-12, Certificate
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.

Special Education, M.Ed.
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
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.

Specialization in 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). The Department of Teacher and Bilingual Education offers a Master of Arts 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.

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.

**Department of Civil and Architectural Engineering**

**Contact Information**

Chair: Breanne Bailey  
Phone: 361-593-2266  
Email: breanne.bailey@tamuk.edu  
Building Name: Engineering Complex  
Room Number: 376

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.

**Faculty**

**Graduate Faculty**

Aguiniga, Francisco  Professor, Department of Civil and Architectural Engineering; B.S., University of Michoacan (Mexico); M.S., University of Illinois at Urbana-Champaign; Ph.D., Texas A&M University.

Bailey, Breanna  Associate Professor, Department of Civil and Architectural Engineering; Interim Chair; B.S., Texas A&M University; M.S., University of Illinois at Urbana-Champaign; Ph.D., Texas A&M University.

Faruqi, Mohammed A  Professor, Department of Civil and Architectural Engineering; B.S.C.E., Texas A&I University; M.S.C.E., Texas A&I University; M.Eng., Pennsylvania State University; Ph.D., University of Arkansas.
Leelani, Pat T Professor, Department of Civil and Architectural Engineering; B.S.C.E., Chulalongkorn University (Thailand); M.S.C.E., The University of Akron; Ph.D., The University of Akron.

Sai, Joseph O Professor, Department of Civil and Architectural Engineering; B.S.C.E., University of Ghana (Ghana); M.S., University of California, Davis; Ph.D., Texas A&M University.

Sun, Dazhi Professor, Department of Civil and Architectural Engineering; B.S., Tongji University (China); M.S., Tongji University (China); Ph.D., University of Illinois at Urbana-Champaign.

Associate Member
Al-Hamdan, Osama Assistant Professor, Department of Civil and Architectural Engineering; B.Sc., Jordan University of Science and Technology (Jordan); M.Sc., University of Alabama in Huntsville; Ph.D., University of Alabama in Huntsville.

Choi, Jong-Won Assistant Professor, Department of Civil and Architectural Engineering; B.S., Korea University (South Korea); M.S., Georgia Institute of Technology; Ph.D., Georgia Institute of Technology.

Hessami, Amir Assistant Professor, Department of Civil and Architectural Engineering; B.S., Fedowsi University (India); M.S., Sharif University of Technology (Iran); Ph.D., Texas A&M University.

Liu, Xiaoyu Assistant Professor, Department of Civil and Architectural Engineering; B.S., Nanjing University of Science and Technology (China); M.S., Tongji University (China); Ph.D., University of Nebraska-Lincoln.

Courses

Civil Engineering (CEEN)

CEEN 5303 Advance Topics in Civil Eng 1-3 SCH (1-3)
One or more advanced topics. May be repeated for credit with change in topic.

CEEN 5304 Internship in Civil Eng 1-3 SCH (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.

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

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

CEEN 5310 Theory of Elasticity 3 SCH (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.)

CEEN 5311 Adv Reinforced Conc Design 3 SCH (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.

CEEN 5312 Eng Reinforced Conc Slabs 3 SCH (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.

CEEN 5313 Numerical Methods in Civil Eng 3 SCH (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.)

CEEN 5314 Finite Element Methods in Engi 3 SCH (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.

CEEN 5315 Hydraulics of Open Channels 3 SCH (3)
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.
CEEN 5316  Eng Mechncs of Fiber Composites  3 SCH (3-0)
Introduction 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.

CEEN 5320  Foundation Engineering I  3 SCH (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.

CEEN 5321  Structural Dynamics  3 SCH (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.

CEEN 5322  Foundation Engineering II  3 SCH (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.

CEEN 5326  Adv Construction Management  3 SCH (3-0)
Advanced theory, methods, and analytical tools to efficiently plan, schedule, estimate, organize, implement, and monitor civil engineering projects from inception to construction and start-up.

CEEN 5322  Structural Wood Design  3 SCH (3-0)
Design of wood structures with focus on allowable stress design considering material properties and environmental effects. Analysis and design of diaphragms, flexural members, axial members, and connections.

CEEN 5333  Advanced Strength of Materials  3 SCH (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.

CEEN 5335  Prestressed Concrete  3 SCH (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.

CEEN 5337  Advanced Structural Analysis  3 SCH (3-0)

CEEN 5340  Water Resources Engineering  3 SCH (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.

CEEN 5342  Adv Geotechnical Engineering I  3 SCH (3-0)
Advanced principles of geotechnical engineering including elastic deformation of soil, one-and two-dimensional fluid flow through soil, soil consolidation, strength of soil, stability of earth retaining structures, and slope stability.

CEEN 5350  Transportation Eng I  3 SCH (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.

CEEN 5352  Design of Asphalt Pavements  3 SCH (3-0)
Asphalt pavement design and material selection including design of sub-grade, base, and hot mix pavement. Laboratory specifications, environmental concepts, and performance specifications.

CEEN 5353  Design of Intelligent Tran Sys  3 SCH (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.

CEEN 5354  Pavement Management Systems  3 SCH (3-0)
Development of pavement management systems considering life-cycle cost estimation, software applications, infrastructure asset management, pavement distress types, and pavement preservation.

CEEN 5355  Groundwater Hydrology  3 SCH (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.

CEEN 5356  Physchem Treat Wtr and Wstwtr  3 SCH (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 or EVEN 5303.
CEEN 5360  Adv Structural Engineering  3 SCH (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.

CEEN 5361  Adv Structural Steel Design  3 SCH (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.

Department of Electrical Engineering and Computer Science

Contact Information
Chair: Rajab Challoo
Phone: 361-593-2004
Email: rajab.challoo@tamuk.edu
Building Name: Engineering Complex
Room Number: 207

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.

Faculty
Graduate Faculty
Hossain, Gahangir Assistant Professor, Department of Electrical Engineering and Computer Science; B.S., Shahjala University of Science and Technology (Bangladesh); M.Sc., Bangladesh University of Engineering and Technology (Bangladesh); M.S., The University of Memphis; Ph.D., The University of Memphis.

Leung, Chung S Associate Professor, Department of Electrical Engineering and Computer Science; B.S., Florida Institute of Technology; M.S., Florida Institute of Technology; Ph.D., Florida Atlantic University.

Nijim, Mais Associate Professor, Department of Electrical Engineering and Computer Science; B.S., Princess Sumaya University for Technology (Jordan); M.S., New Mexico State University; Ph.D., New Mexico Institute of Mining and Technology.

Omar, S. Iqbal Professor, Department of Electrical Engineering and Computer Science; B.S., Allahabad University (India); B.S., Aligarh University (India); M.E., Indian Institute of Science (India); Ph.D., Carleton University (Canada).

Park, Sung-won Professor, Department of Electrical Engineering and Computer Science; B.E., Hanyang University (South Korea); M.E., Hanyang University (South Korea); M.S.E.E., University of New Mexico; Ph.D., University of New Mexico.

Verma, Amit Associate Professor, Department of Electrical Engineering and Computer Science; B.Tech, Institute of Technology (India); M.S., Vanderbilt University; Ph.D., Georgia Institute of Technology.

Yang, Xue Assistant Professor, Department of Electrical Engineering and Computer Science; B.E., Beijing University of Chemical Technology (China); M.S., Texas Tech University; Ph.D., Texas Tech University.

Yilmazer, Nuri Associate Professor, Department of Electrical Engineering and Computer Science; B.S., Cukurova University (Turkey); M.S., University of Florida; Ph.D., Syracuse University.
Associate Member

Aurangzeb, Muhammad  Assistant Professor, Department of Electrical Engineering and Computer Science; B.S., University of Punjab (Pakistan); B.S., University of Engineering and Technology (Pakistan); M.S., University of Engineering and Technology (Pakistan); M.S., National University of Computer and Engineering Sciences (Pakistan); Ph.D., The University of Texas at Arlington.

Fu, Xiangang  Visiting Assistant Professor, Department of Electrical Engineering and Computer Science; B.S., Ocean University of China (China); M.S., Ocean University of China (China); Ph.D., University of Alabama.

Goyal, Ayush  Assistant Professor, Department of Electrical Engineering and Computer Science; B.S., Boise State University; Ph.D., University of Oxford (United Kingdom).

Khan, Mohammad S  Assistant Professor, Department of Electrical Engineering and Computer Science; B.S., Bangladesh University of Engineering and Technology (Bangladesh); M.S., North Dakota State University; Ph.D., Purdue University.

Toscano, George  Visiting Assistant Professor, Department of Electrical Engineering and Computer Science; B.S., Bangladesh University of Engineering and Technology (Bangladesh); M.S., Bangladesh University of Engineering and Technology (Bangladesh); Ph.D., University of Texas at Arlington.

Emeritus

Diersing, Robert  Professor of Electrical Engineering, Department of Electrical Engineering and Computer Science; B.B.A., Texas A&I University; M.S., Texas A&I University; M.B.A., Corpus Christi State University; Ph.D., Texas A&M University.

Gorakhpurwalla, Homi  Professor of Electrical Engineering and Computer Science, Department of Electrical Engineering and Computer Science; B.S., Bombay University (India); B.S.E.E., Purdue University; M.S.E.E., Purdue University.

Courses

Computer Science (CSEN)

CSEN 5303  Adv Topics in Computer Sci  1-3 SCH  (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.)

CSEN 5304  Adv Computer Architecture  3 SCH  (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.

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

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

CSEN 5313  Compiler Design  3 SCH  (3-0)
This course 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.

CSEN 5314  Database Systems  3 SCH  (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.

CSEN 5322  Operating systems  3 SCH  (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.

CSEN 5323  Computer Comm Networks  3 SCH  (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.

CSEN 5325  Software Engineering  3 SCH  (3-0)
Covers development life-cycle models, inspection process, software quality metrics, testing, validation metrics, estimation and scheduling. Prerequisite: graduate standing in engineering.
CSEN 5333 Real Time Systems 3 SCH (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.

CSEN 5334 Algor Graph and Perfect Graphs 3 SCH (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.

CSEN 5336 Analysis of Algorithms 3 SCH (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.

CSEN 5337 Theory of Computation 3 SCH (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.

CSEN 5339 Embedded System Design 3 SCH (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 this course and for EEEN 5339. Prerequisites: EEEN 5333 and EEEN 5330 (or approval of instructor).

CSEN 5350 Application of Neural Networks 3 SCH (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.)

CSEN 5401 Adv Probs in Computer Sci 1-4 SCH (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)

EEEN 5303 Advanced Topics in Elec Eng 1-3 SCH (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.)

EEEN 5304 Adv Computer Architecture 3 SCH (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.

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

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

EEEN 5321 Digital Computer Design 3 SCH (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.

EEEN 5324 Control System Synthesis 3 SCH (3-0)
Actuators and transducers, static and dynamic accuracy of systems, describing functions, compensation, design of typical control systems.

EEEN 5326 Dynamic Systems I 3 SCH (3-0)
Mathematical analysis of engineering, dynamic systems. Modeling, simulation, transfer functions, state variables, stability of linear systems.

EEEN 5329 Adaptive Control 3 SCH (3-0)
Signal and system norms, Lp 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.

EEEN 5330 Rapid Prototyping and ASIC Dsgn 3 SCH (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.

EEEN 5331 Digital Signal Processing 3 SCH (3-0)
Digital processing of signals, z-transform, digital filters, discrete and fast Fourier transforms, power spectrum, autocorrelation, cepstrum analysis.

EEEN 5333 Prin of VLSI Circuit Design 3 SCH (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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits (SCH)</th>
<th>Contact Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEEN 5335</td>
<td>Microcomputer Based Design</td>
<td>3</td>
<td>(3-0)</td>
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<tr>
<td></td>
<td>Role of microcomputers, register and</td>
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<tr>
<td></td>
<td>data manipulation, hardware, memory,</td>
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<tr>
<td></td>
<td>input/output, hardware and software</td>
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<td></td>
<td>development, algorithmic processes.</td>
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<tr>
<td>EEEN 5336</td>
<td>Computer Comm Networks</td>
<td>3</td>
<td>(3-0)</td>
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<tr>
<td></td>
<td>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.</td>
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<tr>
<td>EEEN 5337</td>
<td>Digital Image Processing</td>
<td>3</td>
<td>(3-0)</td>
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<td></td>
<td>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.</td>
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<tr>
<td>EEEN 5338</td>
<td>Digital and DSP Based Control</td>
<td>3</td>
<td>(3-0)</td>
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<tr>
<td></td>
<td>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.</td>
<td></td>
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<tr>
<td>EEEN 5339</td>
<td>Embedded System Design</td>
<td>3</td>
<td>(3-0)</td>
</tr>
<tr>
<td></td>
<td>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 this course and for CSEN 5339). Prerequisites: EEEN 5333 and EEEN 5330 (or approval of instructor).</td>
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<tr>
<td>EEEN 5340</td>
<td>Speech Processing</td>
<td>3</td>
<td>(3-0)</td>
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<td></td>
<td>Fundamentals of digital signal processing, waveform coding, speech spectrum, voice coders, linear predictive coding, speech recognition, adaptive noise cancellation and multirate signal processing.</td>
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<tr>
<td>EEEN 5341</td>
<td>Advanced Digital Integratd Ckts</td>
<td>3</td>
<td>(3-0)</td>
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<td></td>
<td>Advanced concepts of circuit design for digital Very Large Scale Integrated 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. Prerequisite: EEEN 5333 and EEEN 5330 (or approval of instructor).</td>
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<tr>
<td>EEEN 5342</td>
<td>Wireless Communications</td>
<td>3</td>
<td>(3-0)</td>
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<td></td>
<td>This course introduces 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.</td>
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<tr>
<td>EEEN 5350</td>
<td>Application of Neural Networks</td>
<td>3</td>
<td>(3-0)</td>
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<td></td>
<td>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.)</td>
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<tr>
<td>EEEN 5401</td>
<td>Advanced Probs in Elec Eng</td>
<td>1-4</td>
<td>(1-4)</td>
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<tr>
<td></td>
<td>Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit 8 semester hours.</td>
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</tbody>
</table>

## Department of Environmental Engineering

### Contact Information

- **Chair:** Lee Clapp
- **Phone:** 361-593-4007
- **Email:** lee.clapp@tamuk.edu
- **Building Name:** Engineering Complex
- **Room Number:** 361

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.

### 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 M.S. Coordinator, Department of Environmental Engineering for details.
Faculty
Graduate Faculty

Al-Qudah, Omar  Senior Lecturer, Department of Environmental Engineering; B.S., Mu'tah University (Jordan); M.S., Jordan University of Science and Technology (Jordan); Ph.D., University of Texas at El Paso.

Courses
Environmental Engineering (EVEN)

Most courses in Environmental Engineering are listed under the PhD section.

EVEN 5303  Advance Topics in Envir Eng  1-3 SCH (1-3)
One or more advanced topics. May be repeated when topic changes.

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

EVEN 5306  Thesis  3 SCH (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.

Degree Requirements

Thesis Track  students must complete 8 graduate-level courses, take 1 graduate seminar, and successfully defend a thesis proposal and thesis:

- EVEN 6308 - Fundamentals of Solid and Hazardous Waste Engineering (3 cr)
- EVEN 6319 - Chemical Principles for Environmental Engineering Design (3 cr)
- EVEN 6325 - Physical-Chemical Water Treatment Processes (3 cr)
- EVEN 6309 - Fundamentals of Air Quality Engineering (3 cr)
- EVEN 6316 - Fundamentals of Environmental Biotechnology (3 cr)
- EVEN 6329 - Environmental Monitoring and Measurements (3 cr)
- EVEN 6354 - Environmental Regulations and Policy (3 cr)
- EVEN 6318* - Environmental Systems Modeling (or any other environmental modeling course) (3 cr)
- EVEN 6102 - Environmental Engineering Graduate Seminar (1 cr)
- EVEN 5306 - Thesis Proposal (3 cr)
- EVEN 5306 - Thesis (3 cr)

Research Project Track  students must complete the complete 11 graduate-level courses (including the 8 listed above), take 1 graduate seminar, and successfully defend a research project report (EVEN 5305, 3 cr).

Department of Industrial Management and Technology

Contact Information

Chair: Farzin Heidari
Phone: 361-593-2608
Email: farzin.heidari@tamuk.edu
Building Name: Industrial Technology
Room Number: 100

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.
Faculty

Graduate Faculty

Dakeev, Ulan  Assistant Professor, Department of Industrial Management and Technology; B.S., International Black Sea University (Georgia); M.S., University of Northern Iowa; Ph.D., University of Northern Iowa.

De Los Reyes, Maria  Professor of Practice, Department of Industrial Management and Technology; Assistant Dean of Rio Grande Valley Engineering Initiative, Frank H. Dotterweich College of Engineering; B.S., The Matamoros Institute of Technology (Mexico); M.B.A., The University of Texas at Brownsville; Ph.D., The University of Texas at Austin.

Heidari, Farzin  Associate Professor, Department of Industrial Management and Technology; Chair; B.S., St. Cloud State University; M.S., St. Cloud State University; Ph.D., University of Idaho.

Marsh, Bruce  Associate Professor, Department of Industrial Management and Technology; B.S., University of Southwestern Louisiana; M.I.T., Bowling Green State University; D.I.T., University of Northern Iowa.

Polastri, Patricia  Assistant Professor, Department of Industrial Management and Technology; B.S., Orebro University (Sweden); M.S., Central Michigan State University; Ph.D., Indiana State University.

Associate Member

Dakeev, Ulan  Assistant Professor, Department of Industrial Management and Technology; B.S., International Black Sea University (Georgia); M.S., University of Northern Iowa; Ph.D., University of Northern Iowa.

Marsh, Bruce  Associate Professor, Department of Industrial Management and Technology; B.S., University of Southwestern Louisiana; M.I.T., Bowling Green State University; D.I.T., University of Northern Iowa.

Courses

Industrial Management (IMEN)

**IMEN 5300**  Resrch Method & Project Devel  3 SCH (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.

**IMEN 5301**  Industrial Management  3 SCH (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.

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

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

**IMEN 5315**  Constrnt Mgmt and Mistake Prf  3 SCH (3-0)
An examination of constraint management principles, strategies and concept 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.

**IMEN 5320**  Spec Tops in Industrial Mgmt  1-3 SCH (1-3)
Courses will concentrate on themes not present in the current IMEN curriculum. May be repeated to a maximum of 6 semester hours when topic changes.

**IMEN 5322**  Project Scheduling  3 SCH (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.

**IMEN 5330**  Six Sigma Qual and Improvmnt  3 SCH (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 instructor consent. Laboratory fee, $5.

Fee: $5.00
IMEN 5333  Hazardous Materials Management  3 SCH (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.

IMEN 5335  Industrial Safety and Risk Mgt  3 SCH (3-0)
An examination of risk assessment and risk management principles, strategies and concept 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) communication 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.

IMEN 5340  Manufacturing System Mgmt  3 SCH (3-0)
Survey of current trends and approaches to automation and cellular manufacturing. 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.

IMEN 5344  Lean Production  3 SCH (3-0)
A study of the philosophy of lean production. Emphasis will be on designing strategies for implementation.

IMEN 5350  Supply Chain Management  3 SCH (3-0)
Supply Chain Management 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.

IMEN 5355  Project Management  3 SCH (3-0)
Fundamental of project management with a wide assortment of business applications. The course takes a decision-making, business-oriented approach and explores both technical and managerial challenges in the management of projects. Course provides a strategic perspective, demonstrating means to manage projects at the program and portfolio levels. Prerequisite: graduate standing.

Degree Requirements
Industrial Hygiene, Transcripted Certificate
In order to get the certificate, students need to complete three courses (9 credit hours) with a B or better grade including three of the following courses. It is at the discretion of the graduate coordinator to advise students from different engineering majors to take which three courses to earn the industrial hygiene certificate.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEEN 5303</td>
<td>Advance Topics in Civil Eng 1</td>
<td>1-3</td>
</tr>
<tr>
<td>EVEN 5303</td>
<td>Advance Topics in Envir Eng 2</td>
<td>1-3</td>
</tr>
<tr>
<td>IMEN 5333</td>
<td>Hazardous Materials Management</td>
<td>3</td>
</tr>
<tr>
<td>IMEN 5335</td>
<td>Industrial Safety and Risk Mgt</td>
<td>3</td>
</tr>
</tbody>
</table>

1  Topic must be Occupational Health & Regulations
2  Topic must be Air Quality Assessment

Department of Mechanical Engineering and Industrial Engineering

Contact Information
Chair: Larry Peel
Phone: 361-593-2003
Email: larry.peel@tamuk.edu
Building Name: Engineering Complex
Room Number: 303

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.

Faculty
Graduate Faculty
Elkassabgi, Yousri Professor, Department of Mechanical and Industrial Engineering; B.S., Alexandria University (Egypt); M.S., University of Waterloo (Canada); Ph.D., University of Houston.

He, Fei Assistant Professor, Department of Mechanical and Industrial Engineering; B.S., Hunan University of Science and Technology (China); M.S., University of Rhode Island; Ph.D., The State University of New York.

Lee, Sangsoo Associate Professor, Department of Mechanical and Industrial Engineering; B.En., Sogang University (South Korea); M.S., Sogang University (South Korea); Ph.D., Georgia Institute of Technology.

Oh, Joon-Yeoul Associate Professor, Department of Mechanical and Industrial Engineering; B.S., Chong-Ju University (South Korea); M.S., Chong-Ju University (South Korea); M.S., New Mexico State University; Ph.D., New Mexico State University.

Associate Member
Park, Choongbae Assistant Professor, Department of Mechanical and Industrial Engineering; Bachelors, Kyungpook National University (South Korea); M.S., Purdue University; Ph.D., Purdue University.

Courses
Industrial Engineering (IEEN)
IEEN 5301 Advanced Probs in Indus Eng 1-3 SCH (1-3)
Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit 6 semester hours.

IEEN 5303 Advance Topics in Indus Eng 1-3 SCH (1-3)
One or more advanced topics. May be repeated when topic changes.

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

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

IEEN 5312 Supply Chain Management 3 SCH (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.

IEEN 5313 Inventory Systems 3 SCH (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.

IEEN 5314 Activity Scheduling 3 SCH (3-0)

IEEN 5315 Nonlinear Programming 3 SCH (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.

IEEN 5321 Computer Appl of Stats Methods 3 SCH (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.
### IEEN 5322  Compu Simulation of Indus Sys  3 SCH (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.

### IEEN 5323  Occupational Biomechanics  3 SCH (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.

### IEEN 5324  Ergonomics  3 SCH (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.

### IEEN 5325  System Safety  3 SCH (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.

### IEEN 5326  Economic Decision Theory  3 SCH (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.

### IEEN 5327  Adv Engineering Project Mnmt  3 SCH (3-0)
This course covers the advanced concepts and theories of project modeling and optimization, project scheduling, resource allocation, economic analyses and project decision analysis. Prerequisite: permission of the instructor.

### IEEN 5328  Reliability Theory  3 SCH (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.

### IEEN 5329  Advanced Eng Economic Analysis  3 SCH (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.

### IEEN 5330  Computer Intergrated Design  3 SCH (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.

### IEEN 5331  Compu Integrated Manuf Syst  3 SCH (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.

### IEEN 5332  Mfg System Design  3 SCH (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.

### IEEN 5333  Six Sigma and ISO Standards  3 SCH (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.

### IEEN 5334  Lean Manufacturing  3 SCH (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.

### IEEN 5335  Principles of Optimization  3 SCH (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.

### IEEN 5336  Linear Prog & Extensions  3 SCH (3-0)
Theory of linear programming including the simplex method, duality, sensitivity analysis, decomposition principles, the transportation problems and integer programming. Prerequisite: IEEN 5335 or equivalent.

### Mechanical Engineering (MEEN)

#### MEEN 5301  Advanced Probs in Mech Eng  1-4 SCH (1-4)
Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit 8 semester hours.
MEEN 5303 Advanced Topics in Mech Eng 1-3 SCH (1-3)
One or more advanced topics. May be repeated when topic changes.

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

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

MEEN 5313 Numerical Methods in Mech Eng 3 SCH (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.)

MEEN 5314 Finite Element Methods in Engi 3 SCH (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.

MEEN 5318 Advanced Dynamics 3 SCH (3-0)

MEEN 5320 Theory of Elasticity 3 SCH (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.)

MEEN 5321 Advanced Fluid Mechanics 3 SCH (3-0)
Equations of fluid mechanics: equations of continuity, motion, Navier-Stokes, energy and Bernoulli. Incompressible, laminar, turbulent and compressible flows.

MEEN 5322 Turbulent Flow 3 SCH (3-0)

MEEN 5325 Compu Integrated Manuf Syst 3 SCH (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.

MEEN 5326 Control Systems Engineering 3 SCH (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.

MEEN 5328 Dynamic Systems Engineering 3 SCH (3-0)
Analysis of dynamic-mechanical, electric, fluid and thermal system elements; modeling, analysis and design of physical, dynamic systems composed of these elements.

MEEN 5330 Continuum Mechanics 3 SCH (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.

MEEN 5331 Advance Materials Science 3 SCH (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.

MEEN 5335 Advnd Robotics and Automation 3 SCH (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.

MEEN 5337 Engin Analysis in Applied Mech 3 SCH (3-0)
Simultaneous Equations - Equilibrium, Eigenvalues and Eignevectors; 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. Prerequisites: graduate standing and approval of instructor.

MEEN 5339 Comp Aided Geometric Design 3 SCH (3-0)
MEEN 5345 Cond and Convection Heat Trans 3 SCH (3-0)
Theory of steady-state and transient heat conduction and theory of convective transport combined with boundary layer theory. Prerequisite: MEEN 3348.

MEEN 5347 Advanced Thermodynamics 3 SCH (3-0)
The equations of state for various systems are given extensive treatment. Prerequisite: MEEN 3347.

MEEN 5348 Auto. Sys. and Ind. Controls 3 SCH (3-0)

MEEN 5349 Mechanical Vibrations 3 SCH (3-0)

**Degree Requirements**

**Engineering Project Management, Professional Certificate**
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.

**Manufacturing Standards and Standardization, Certificate**
The department offers a graduate level Manufacturing Standards and Standardization Certificate program. Upon completing this certificate, students and professionals are able to:

- Develop critical thinking towards standards and standardization concepts
- Identify and interpret different standards in manufacturing
- Provide technical oversight and coordination to ensure manufacturing process meet national and international standards

This certificate is open to all majors and professional. Students will receive the certificate upon completing all courses state on course requirements with B or above grade.

**Manufacturing Standards and Standardization Certificate**
The graduate level transcripted Manufacturing Standards and Standardization Certificate program is a 9-hour program open to all major graduate students and professionals who meet with the admission requirements below. This certificate will give graduate students and professional an opportunity to learn both standards and standardization concepts and skills. The objective of this certificate program to promote standards and standardization concepts and increase students’ awareness of the importance of standards and standardization by introducing knowledge related to the creation, modification, interpretation of standards and standardization in manufacturing field.
Admission Requirements:
- A four-year degree in Engineering or closely related fields, and at least four years industrial working experience, or
- Students satisfying concurrent enrollment criteria at TAMUK graduate classes.

Course Requirements:
In order to get the certificate, students need to complete three of the following courses (9 credit hours) with A or B grades,

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEEN 5332</td>
<td>Mfg System Design</td>
<td>3</td>
</tr>
<tr>
<td>IEEN 5333</td>
<td>Six Sigma and ISO Standards</td>
<td>3</td>
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<td>Select one of the following:</td>
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<tr>
<td>IEEN 5303</td>
<td>Advance Topics in Indus Eng</td>
<td>3</td>
</tr>
<tr>
<td>MEEN 5301</td>
<td>Advanced Probs in Mech Eng</td>
<td>2</td>
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</tbody>
</table>

Total Semester Credit Hours 9

1 Topic: Standards and Standardization in Manufacturing
2 Topic: Advanced Manufacturing

And submit request form to Mechanical and Industrial Engineering Department (Dr. Hua Li, hua.li@tamuk.edu, 361-593-4057). The courses may be counted in students' major degree plan only with the approval from their major graduate coordinators.

Wayne H. King Department of Chemical Engineering and Natural Gas Engineering

Contact Information
Chair: Patrick Mills
Phone: 361-593-2002
Email: patrick.mills@tamuk.edu
Building Name: Engineering Complex
Room Number: 303

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

Faculty
Graduate Faculty
Duarte, Horacio Associate Professor, Wayne H. King Department of Chemical and Natural Gas Engineering; B.S., Instituto Tecnologico Regional de Durango (Mexico); M.Eng., Instituto Tecnologico y de Estudios Superiores de Monterrey (Mexico); Ph.D., Texas A&M University.

Pilehvari, Ali Professor, Wayne H. King Department of Chemical and Natural Gas Engineering; B.S., Tehran Polytechnique (Iran); M.E., University of Tulsa; Ph.D., University of Tulsa.


**Associate Member**

- **Amaya, Joseph** Visiting Assistant Professor; Wayne H. King Department of Chemical and Natural Gas Engineering; B.S., Texas A&M University-Kingsville; M.S., Texas A&M University-Kingsville; Ph.D., Texas A&M University-Kingsville.

- **Cabezas, Jose** Professor of Practice, Wayne H. King Department of Chemical and Natural Gas Engineering; B.S., Escuela Superior Politécnica del Litoral (Ecuador); M.S., Texas A&M University-Kingsville; Ph.D., Texas A&M University-Kingsville.

**Courses**

**Chemical Engineering (CHEN)**

- **CHEN 5303** Advance Topics in Chem Eng 1-3 SCH (1-3)
  One or more advanced topics. May be repeated for a maximum of 6 semester hours when topic changes.

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

- **CHEN 5306** Thesis 3 SCH (3)
  Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for maximum of 6 semester hours.

- **CHEN 5308** Transport Processes 3 SCH (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.

- **CHEN 5309** Separation Process 3 SCH (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.)

- **CHEN 5311** Chem Process Design and Econ 3 SCH (3-0)
  A comprehensive treatment of process design problems with emphasis on the engineering economics of the chemical process industry.

- **CHEN 5314** Optimization of Chem Proc 3 SCH (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.)

- **CHEN 5331** Simulatn and Analy of Chem Eng 3 SCH (3-0)
  Analytical and numerical techniques for the simulation and analysis of processes and equipment employed in the chemical and petroleum industries.

- **CHEN 5333** Chem and Catalytic Reaction En 3 SCH (3-0)
  Analysis of various interactions between physical and chemical rate processes and their influences on the design and control of chemical reactors.

- **CHEN 5334** Biochemical Engineering 3 SCH (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.

- **CHEN 5336** Rheology 3 SCH (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.)

- **CHEN 5360** Advanced Nat Gas Processes 3 SCH (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.)

- **CHEN 5361** Advd Proc Dynamics and Control 3 SCH (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.)

- **CHEN 5371** Adv Chem Eng Thermodynamics 3 SCH (3-0)
  The general equations of multicomponent-multiphase systems, with application to phase equilibria and chemical reaction equilibria. Prerequisite: CHEN 3371.

- **CHEN 5401** Advance Probs in Chem Eng 1-4 SCH (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)**

- **NGEN 5303** Advncd Topics in Nat Gas Engin 1-3 SCH (1-3-0)
  One or more advanced topics. May be repeated for a maximum of 6 semester hours when topic changes.
NGEN 5305 Graduate Research Project 3 SCH (3)
Designed for project option students and requires completion of research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

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

NGEN 5309 Separation Process 3 SCH (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.)

NGEN 5310 Petroleum Property Eval 3 SCH (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.

NGEN 5311 Two Phase Flow 3 SCH (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.

NGEN 5312 Pressure Transient Analysis 3 SCH (3-0)
Methods of analysis of pressure transient data obtained from well testing for the purpose of determining in situ reservoir characteristics and conditions.

NGEN 5313 Cryogenic Engineering 3 SCH (3-0)
The theory and design of equipment for the production and handling of liquified natural gas and other cryogenic materials.

NGEN 5314 Optimization of Chem Proc 3 SCH (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.)

NGEN 5325 Nat Gas Prod and Distribution 3 SCH (3-0)
Theory, design and methods of gas well testing and production. Distribution topics include pipeline and compressor design and flow measurement. Prerequisite: NGEN 4375.

NGEN 5327 Nat Gas Drilling Engineering 3 SCH (3-0)
Drilling equipment and methods, drilling fluids, completion of wells including casing and cementing design. Prerequisite: NGEN 3393.

NGEN 5336 Rheology 3 SCH (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.)

NGEN 5360 Advanced Nat Gas Processes 3 SCH (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.)

NGEN 5361 Adv Process Dynamics and Contr 3 SCH (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.)

NGEN 5363 Advanced Reservoir Engineering 3 SCH (3-0)
Phase relations of hydrocarbon systems, material balance methods, flow in reservoirs and displacement of gas. The application of computers to reservoir engineering.

NGEN 5387 Quantitative Well Log Analysis 3 SCH (3-0)
Theory of special well-logging techniques and applications.

NGEN 5401 Advanced Probs in Nat Gas Engi 1-4 SCH (1-4)
Individual or group research on advanced problems conducted under the supervision of a faculty member. Maximum credit of 8 semester hours.

**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

1. **Requirements**
   a. **Electives** and other course requirements are determined by each program.
   b. **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.
   c. **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.
   d. **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.
   e. **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.
   f. **Residency.** After admission to a doctoral degree program, each student is required to engage in activities that fulfill departmental residency requirements. Please check the major department for specific requirements. Successful completion of residency is determined by approval of the department. The departmental residency plan specifies requirements in the following areas:
      i. involvement in events that broaden intellectual growth,
      ii. use of academic support resources,
      iii. faculty-student interactions that promote scholarship, mentoring and opportunities for evaluation,
      iv. involvement with cognate disciplines and research scholars in those disciplines and
      v. engagement in meaningful peer interactions.

3. Submission of Dissertation. 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.

2. 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.

a. 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.

b. 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.

c. 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.

d. 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:
   i. Institutional Review Board Application or other program specific research approval document
   ii. Request for Graduate Council Representative (submitted to the Dean of the College of Graduate Studies by the Chair of the Dissertation Committee).

e. 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.

f. 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.

g. 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.

3. Submission of Dissertation. Registration in the dissertation course is required the semester that the dissertation is submitted.

a. 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.
   i. 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).
   ii. After the Graduate Dean's approval, the staff in the graduate office will scan the signature page.
   iii. The completed signature page will be emailed to the student to be inserted into the final document.
   iv. The student will go to the following URL ProQuest webpage (http://www.etdamin.com/tamuk) 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.

b. 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.
   i. 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.
   ii. Students who do not meet their final requirements by the deadline must re-submit the application for candidacy for the next semester.

c. 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:

1. assuring that the doctoral student is treated fairly and impartially by his advisory committee; and
2. 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.

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.

Doctoral Programs in Agriculture and Natural Resources

Horticulture, Cooperative Ph.D.

Greta Schuster, Graduate Coordinator
Kleberg Building for Agriculture Room 116
361-593-3719
greta.schuster@tamuk.edu
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.

**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://catalog.tamu.edu/graduate/).

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**Wildlife Science, Ph.D.**

Scott E. Henke, *Graduate Coordinator*
Kleberg Building for Agriculture Room 133
361-593-3689
scott.henke@tamuk.edu

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.

**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.

Faculty
Department of Agriculture, Agribusiness, and Environmental Sciences
Doctoral Faculty
Anoruo, Ambrose Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Higher National Diploma, Fed. College of Forest Technology (Nigeria); M.S., Southern Connecticut State University; M.S., Yale University; Doctor of Forestry, Yale University.

Louzada, Eliezer Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Texas A&M University-Kingsville Citrus Center; B.S., Universidade Federal Rural do Rio de Janeiro (Brazil); M.S., Universidade Federal Rural do Rio de Janeiro (Brazil); Ph.D., Universidade Federal Rural do Rio de Janeiro (Brazil).

Simpson, Catherine Assistant Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Texas A&M University-Kingsville Citrus Center; B.S., Texas A&M University-Kingsville; M.S., Texas A&M University-Kingsville; Ph.D., Texas A&M University.

Emeritus
French, J. Victor Professor of Agriculture, Department of Agriculture, Agribusiness, and Environmental Sciences; B.S.A.G., Colorado State University; M.S., Colorado State University; Ph.D., Michigan State University.

Hensz, Richard Professor of Agriculture, Department of Agriculture, Agribusiness, and Environmental Sciences; B.S., Texas A&M University; M.S., Texas A&M University; Ph.D., University of Florida.

Department of Rangeland and Wildlife Sciences
Doctoral Faculty
Ballard, Bart Professor, Department of Rangeland and Wildlife Science; C. Berdon & Rolanette Lawrence Endowed Chair in Waterfowl Research, Caesar Kleberg Wildlife Research Institute; B.S., Iowa State University; M.S., Texas A&M University-Kingsville; Ph.D., Texas A&M University-Kingsville.

Brennan, Leonard Professor, Department of Rangeland and Wildlife Science; C.C. "Charlie" Winn Endowed Chair for Quail Research, Caesar Kleberg Wildlife Research Institute; B.S., The Evergreen State College; M.S., Humboldt State University; Ph.D., University of California, Berkeley.

Conkey, April Assistant Professor, Department of Rangeland and Wildlife Science; B.S., Texas A&M University-Kingsville; M.S., Texas A&M University-Kingsville; Ph.D., Texas A&M University.

DeYoung, Randall Associate Professor, Department of Rangeland and Wildlife Science; Caesar Kleberg Wildlife Research Institute; B.S., Texas A&M University-Kingsville; M.S., Texas A&M University-Kingsville; Ph.D., Mississippi State University.

Fedynich, Alan Professor, Department of Rangeland and Wildlife Science; Caesar Kleberg Wildlife Research Institute; B.S., Kansas State University; M.S., Texas Tech University; Ph.D., Texas Tech University.

Henke, Scott Professor, Department of Rangeland and Wildlife Science; Chair; Caesar Kleberg Wildlife Research Institute; Regents Professor; B.S., Purdue University; M.S., Texas Tech University; Ph.D., Texas Tech University.

Hernandez, Fidel Professor, Department of Rangeland and Wildlife Science; Caesar Kleberg Wildlife Research Institute; B.S., Angelo State University; M.S., Angelo State University; Ph.D., Texas A&M University.

Hewitt, David Professor, Department of Rangeland and Wildlife Science; Leroy Denman, Jr. Endowed Director of Wildlife Research, Caesar Kleberg Wildlife Research Institute; B.S., Colorado State University; M.S., Washington State University; Ph.D., Virginia Polytechnic Institute and State University.

Ortega-Santos, J. Alfonso Professor, Department of Rangeland and Wildlife Science; Caesar Kleberg Wildlife Research Institute; B.S., Universidad Autonoma de Tamaulipas (Mexico); M.S., Universidad Autonoma Agraria (Mexico); Ph.D., University of Florida.

Perotto, Humberto Assistant Professor, Department of Rangeland and Wildlife Science; Caesar Kleberg Wildlife Research Institute; B.Sc., Universidad Mayor de San Simón (Bolivia); M.S., Texas A&M University; Ph.D., Texas A&M University.

Rideout-Hanzak, Sandra Associate Professor, Department of Rangeland and Wildlife Science; Caesar Kleberg Wildlife Research Institute; B.A., Ball State University; M.S.F., Stephen F. Austin University; Ph.D., Stephen F. Austin State University.
Courses

Plant and Soil Science (PLSS)

PLSS 6185 Seminar 1 SCH (0-1)
Student reports and discussion of recent literature and current investigations. May be repeated up to three times.

PLSS 6326 Soil Chemistry 3 SCH (3-0)
Advanced study of the chemistry of soils, including properties, processes and applications.

PLSS 6328 Soil Physics 3 SCH (3-0)
Advanced study of the physical properties of soils with environmental and agricultural applications.

PLSS 6344 Crop Protection 3 SCH (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.

PLSS 6345 Phytochem to Improve Humn Helth 3 SCH (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.

PLSS 6346 Citrus & Subtrop Fruit Crops 3 SCH (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.

PLSS 6377 Genetics of Crop Improvement 3 SCH (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.

PLSS 6379 Posthar Physiol of Hort Crops 3 SCH (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.

PLSS 6390 Adv Studies in Horticulture 1-3 SCH (1-3-0)
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.

PLSS 6395 Adv Probs in Horticulture 1-3 SCH (1-3)
Independent work. Variable credit depending upon the problem. Requires approval of faculty to supervise the problem.

PLSS 6397 Dissertation Research 3-9 SCH (3-9)
Research for dissertation.

Animal Science (ANSC)

ANSC 6335 Quantitative Genetics 3 SCH (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)

WSCI 6199 Seminar 1 SCH (0-1)
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.

WSCI 6302 Biopolitics, PR & Wildlife Law 3 SCH (3-0)
Course explores contemporary issues that affect wildlife and conservation from various perspectives, provides a basis of laws that shape the United States, and provides linkages between what wildlife needs and what humans want. This is a writing intensive class. It also expects discussion of topics and issues presented by every student, so students are expected to research topics outside of classroom and come prepared with opinions. The course is an applied, hands-on course.
and oral presentations. The course is designed to foster an understanding and appreciation of the process of science and research; present theory and application of critical insight into the strengths and weaknesses of this discipline; 3) examine a variety of conservation projects and programs that will enable the species conservation. The course will 1) provide an in-depth understanding of the tenets, concepts, and scope of conservation biology; 2) develop population viability analysis, landscape ecology and fragmentation issues, and the application of wildlife management techniques and strategies for populations. Topics include environmental ethics, patterns of species diversity, biology and management of small populations, conservation genetics, role of nutrition in wildlife management, wildlife nutrient requirements, digestion and nutrient metabolism, evaluation of nutritional status and nutrient successional theory and state and transition models; scale issues; island biogeography; assisted migration; grazing; pollinators; invasive species; soil and wildlife management; prescribed fire laws; managing escapes; and smoke management.

WSCI 6320 Prescribed Burning  3 SCH  (3-0) Provides a foundation for students wishing to include prescribed burning in their careers. The purpose of the course is to introduce students to the science and art of prescribed burning, review the science and ecology concepts basic to prescribed burning, and management aspects such as firing techniques, fire weather, fireline safety, smoke management, etc. This will provide a basis for understanding the problems facing prescribed burning managers, help students gain an understanding of the scientific and technological developments in prescribed burning, and gain necessary burning skills and experience. The course is an applied course in which we will learn to use prescribed burning as a management tool by conducting prescribed fires together as a crew. There is classroom work in addition to fieldwork. The course covers: Using hand tools, drip torches, radios and the pumper truck; writing a burn plan; prescribed fire weather, and how weather impacts fires; various fuels and their characteristics; how topography influences fire behavior; fire behavior, intensity and severity; various firing techniques and prescriptions; fire effects on vegetation in Texas; fire and wildlife management; prescribed fire laws; managing escapes; and smoke management.

WSCI 6325 Fire Ecology  3 SCH  (3-0) The purpose of the course is to introduce students to the science of fire ecology and behavior in major North American ecosystems. Historic and current fire regimes in North America, vegetative adaptations to fire, effects of fire on vegetation and wildlife, effects of fire suppression on ecosystems, wildland fire policy, history of wildland fire management in North America, present and future issues in wildland fire ecology. It is a theory-based course. The course covers: Role of fire in North American forest and grassland biomes, anthropogenic changes in historic fire regimes; vegetation adaptations to and impacts of fire; wildlife species dependent on fire or threatened by fire; large wildfire impacts; mimicking natural fires with prescribed fire; future implications for wildland fire in North America; policy and human dimensions of wildland fire; climate changes impacts on wildland fire.

WSCI 6330 Remote Sensing for Wildlife St  3 SCH  (3-0) The purpose of this course is to introduce students to the basic principles of remote sensing and remote sensing techniques that are useful in habitat and wildlife studies. The class will cover basic physical principles of remote sensing, history of remote sensing, image classification techniques: unsupervised classification, supervised classification, object oriented analysis, sub-pixel analysis, data fusion, and GIS and remote sensing data integration. This is a hands-on course which is expected to be 40% theory and 60% hands on work.

WSCI 6345 Restoration Ecology  3 SCH  (3-0) The purpose of the course is to introduce students to concepts and practices in restoration ecology, ecological foundations (spatial, trophic, interspecific and intraspecific interactions), restoration of dry grasslands, wetlands, forests and other terrestrial ecosystems of North America, and present and future challenges in restoration ecology. It is a combination of theory and application. It is very much theoretical, but we always do a restoration project as part of the class. The course covers: Assembly rules and their relevance to restoration; reference sites; assessments; successional theory and state and transition models; scale issues; island biogeography; assisted migration; grazing; pollinators; invasive species; soil microbes; Indigenous people and human dimensions of restoration.

WSCI 6371 Wildlife Nutrition  3 SCH  (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.

WSCI 6372 Wildlife Conservation Biol  3 SCH  (3) Conservation biology is a multi-disciplinary science that deals with the crisis confronting biological diversity and the biology of rare or isolated populations. Topics include environmental ethics, patterns of species diversity, biology and management of small populations, conservation genetics, population viability analysis, landscape ecology and fragmentation issues, and the application of wildlife management techniques and strategies for species conservation. The course will 1) provide an in-depth understanding of the tenets, concepts, and scope of conservation biology; 2) develop critical insight into the strengths and weaknesses of this discipline; 3) examine a variety of conservation projects and programs that will enable the student to have a realistic understanding of the role of conservation biology; and 4) further develop the following student skills: writing, speaking, group interaction, and critical thinking. The course is a combination of theoretical and applied concepts.

WSCI 6374 WildlifeResearch Methods  3 SCH  (0-3) The course is designed to foster an understanding and appreciation of the process of science and research; present theory and application of analytical methods; provide broad exposure to the scientific literature, foster a skeptical attitude, encourage creativity and cross-discipline thinking; and provide instruction on real-world skills important to research in the natural resources field, including scientific writing and reviewing, grant writing and oral presentations.
WSCI 6381  Wildlife Population Ecology  3 SCH (3-0)
This course is designed to provide students a foundation in population ecology via both theory and application. The course is quantitative by nature and encompasses the fundamentals of how populations grow, the processes that influence them (e.g., carrying capacity, density dependence, etc.), and their interactions with the biotic community (e.g., competition, predation, etc.). The ecological processes that influence population dynamics are explored via population-modeling software to provide a practical application of theory.

WSCI 6382  Waterfowl Ecology & Management  3 SCH (2-2)
Discussion and lecture course that covers the ecology and management of waterfowl. Topics include taxonomy of the World’s waterfowl, reproductive strategies that allow species to be successful in different environments, feeding ecology and energetics, vital rates that regulate populations, migration strategies, and contemporary management issues. Broad coverage of the North American Waterfowl Management Plan and updates, Joint Ventures, and the role of regional habitat planning.

WSCI 6386  Rangeland Synecology  3 SCH (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.

WSCI 6387  Wildlife Habitat Mgmt  3 SCH (3-0)
Concepts pertaining to the effects of habitat loss and degradation on wildlife including cumulative, time lag and legacy effects. Overview of terminology used in habitat management. Key ecological concepts in managing habitat including succession theory and patch dynamic theory. Overview of methods of applied habitat management including brush management, livestock grazing, and habitat restoration. Students prepare and present results of literature reviews on pertinent topics and participate in class debates.

WSCI 6390  Adv Studies Range and Nat Res  1-3 SCH (1-3-0)
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.

WSCI 6391  Ecosys Function and Management  3 SCH (3-0)
Discussion class covering (1) classic scientific literature that forms the basis of modern ecological theories and (2) applications of these theories as a basis for contemporary ecosystem management.

WSCI 6392  Wildlife & Nat Resource Sci  3 SCH (3-0)
Discussion and lecture class that covers background theory and assumptions of many kinds of models used in wildlife science, including but not limited to applications of qualitative conceptual and logic models, as well as quantitative models such as frequentist statistics, regression, information theoretic, multivariate, population estimation, and systems analysis models.

WSCI 6394  Grazing Management  3 SCH (3-0)
The course provides basic understanding of the physiological processes, morphological development, nutritional qualities, and palatability of range plants as a basis for grazing management strategies for domestic and wild animals. Additionally, the impacts of the grazing strategies on vegetation, livestock, and wildlife are provided and discussed. The course also provides information to direct students in the decision making process to optimize plant communities integrity, animal performance and profitability of production systems. The course includes some theoretical bases to understand the effects of defoliation on plant recovery and animal performance with a heavy content of practical (hands on) information.

WSCI 6395  Probs in Range and Wildile Mgt  1-3 SCH (1-3-0)
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.

WSCI 6396  Avian Community Ecology  3 SCH (3-0)
A discussion-based course that focuses on evolutionary concepts that shape avian communities. Course provides broad exposure to the ornithological literature, promotes creativity and critical thinking, and provides opportunity for problem solving. Topics include mating systems, reproductive strategies, avian community structure, foraging adaptations, brood parasitism, responses to predation, competition, and the influences of climate change.

WSCI 6397  Wildlife Diseases  3 SCH (3-0)
Course is an introductory level course since most students have had little or no academic training in wildlife diseases. 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. A successful student in WSCI 6397 will be able to demonstrate the following competencies: 1) Define, select, and recognize basic terms used in the wildlife disease profession; 2) Describe, compare, and classify wildlife disease concepts; 3) Effectively formulate and express thoughts and ideas, verbally and in writing.
The purpose of the course is to teach the student the basic principles and practices associated with experimental designs and analyses, and interpretation of data; and to introduce students to software (e.g., SAS, R, SPSS) and programming used in data analysis. This course is a combination of practice and theory: students will learn not only how to design an experiment appropriately to satisfy the needs of their research, but they will also learn why these principles are important. There is a strong emphasis on interpretation of statistical results with practical examples (frequently based on students’ actual research projects). Topics include single- and multiple-factor experiments in completely randomized, randomized block, and Latin square settings, including repeated measures analyses, longitudinal studies, and analysis of covariance, with a strong emphasis on tests of assumptions. This course will prepare students to be able to more effectively design experiments, more completely analyze data, and more thoroughly interpret results especially as they are applied in wildlife, range, and natural resources areas of research. In addition, a laboratory session will focus on learning how to use various software packages to analyze and to present experimental results. Provides a solid background before enrolling in next level of statistical courses.

WSCI 6402  Applied Regression Analysis  4 SCH  (3-2)
The purpose of the course is to teach the student the basic principles and practices associated with regression analyses and associated interpretation of data; and to introduce students to proper use of software (e.g., SAS, R, SPSS) and programming used in regression analyses. This course is a combination of practice and theory; students will learn not only how to use regression-based models appropriately to satisfy the needs of their research, but they will also learn why these principles are important. Topics include simple and multiple regression with linear and nonlinear models (including general and generalized linear models) as well as nonparametric approaches. There is a strong emphasis on interpretation of statistical results with practical examples (frequently based on students’ actual research projects). In addition, a laboratory session will focus on learning how to use various software packages to analyze and to present regression results. This course will prepare students to be able to more effectively understand and apply regression analyses especially as they are applied in wildlife, range, and natural resources areas of research.

WSCI 6403  Practical Non-Parametric Stats  4 SCH  (3-2)
The purpose of this course is to teach the student the basic principles and practices associated with nonparametric statistics and their interpretation; and to introduce students to proper use of software (e.g., SAS, R, SPSS) programming used in nonparametric statistics. This course is a combination of practice and theory; students will learn not only how to use nonparametric statistics appropriately to satisfy the needs of their research, but they will also learn why these methods are important and how they compare to parametric statistics. Topics include a wide variety of tests based on the binomial distribution; two-way (and higher-dimensional) contingency tables; methods based on ranks; regression-related techniques; statistics of the Kolgomorov-Smirnov type; and permutation-based methods; and all of these topics are embedded in an experimental design or regression perspective. There is a strong emphasis on interpretation of statistical results with practical examples (frequently based on students’ actual research projects). In addition, a laboratory session will focus on learning how to use various software packages to analyze and to present nonparametric statistical analyses. This course will prepare students to be able to more effectively understand and apply nonparametric statistical analyses, especially as they are applied in wildlife, range, and natural resources areas of research.

WSCI 6404  Applied Multivariate Analysis  4 SCH  (3-2)
The purpose of this course is to teach the student the basic principles and practices associated with multivariate analyses and associated interpretation of data; and to introduce students to proper use of software (e.g., SAS, R, SPSS) programming used in multivariate analyses. This course is a combination of practice and theory: students will learn not only how to use multivariate statistics appropriately to satisfy the needs of their research, but they will also learn why these methods are important and how they differ from and complement univariate analyses. Topics include methods based on the multivariate normal distribution (including tests of equality of mean multivariate vectors and variance-covariance matrices); ordination-based analyses (including principal components analysis and related methods and non-metric multidimensional scaling), and discriminant analysis. In addition, a laboratory session will focus on learning how to use various software packages to analyze and to present multivariate statistical tests. This course will prepare students to be able to more effectively understand and apply multivariate analyses, especially as they are applied in wildlife, range, and natural resources areas of research. Typically the last statistical course in the series; best to take Experimental Design and Regression as statistical background for this course.

WSCI 6999  Dissertation Research  9 SCH  (9-0-0)
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.

Degree Requirements
Horticulture, Cooperative Ph.D.
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.
Wildlife Science, Ph.D.

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.

Doctoral Program in Arts and Sciences

Contact Information

Chair: Michelle Johnson-Vela  
Phone: 361-593-2516  
Email: Michelle.Johnson-Vela@tamuk.edu  
Building Name: Sam Fore Hall  
Room Number: 110

Hispanic Studies, Cooperative Ph.D.

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.

Faculty

Department of Biological and Health Sciences

Emeritus

Peacock, J. Talmer  Professor of Biology, Department of Biological and Health Sciences; B.S., Maryville College; M.S., University of Alabama; Ph.D., The University of Texas at Austin.

Perez, John  Professor of Biological and Health Sciences, Department of Biological and Health Sciences; Regents Professor; B.S., University of Utah; M.A., Mankato State College; Ph.D., Utah State University.

Wood, Carl  Professor of Biology, Department of Biological and Health Sciences; B.S., Texas A&M University; M.S., Texas A&M University; Ph.D., Texas A&M University.
Department of Chemistry

Doctoral Faculty
Liu, Jingbo L Professor, Department of Chemistry, B.S., Heilongjiang University (China); Ph.D., University of Science and Technology (China).

Emeritus
Olivares, Alberto Professor of Chemistry, Department of Chemistry; B.S., Texas A&M University; Ph.D., Texas A&M University.

Courses

Spanish (SPAN)
The following courses are offered by Texas A&M University-Kingsville.

SPAN 6300  Topics in Spanish  3 SCH  (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.

SPAN 6301  Research Methods  3 SCH  (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.

SPAN 6310  Hisp Feminist Theory and Writing  3 SCH  (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.

SPAN 6311  Hispanic Film Studies  3 SCH  (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.

SPAN 6341  Topics in Translation Studies  3 SCH  (3-0)
Applied linguistics issues related to Spanish-English/English-Spanish translation. May be repeated when topic changes.

SPAN 6350  Hispanic Cultural Studies  3 SCH  (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.

SPAN 6360  Studies in Spanish American Literature  3 SCH  (3-0)
Topics include studies in Spanish-American Literature. May be repeated when topic changes.

SPAN 6361  Spanish American Vanguardism  3 SCH  (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.

SPAN 6362  Spanish American Postmodernism  3 SCH  (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.

SPAN 6398  Dissertation in Progress  3 SCH  (0-3)
SPAN 6399  Dissertation  3 SCH  (0-3)

Degree Requirements

Hispanic Studies, Cooperative Ph.D.

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.

Doctoral Programs in Education

Contact Information

Chair: Steve Bain
Phone: 361-593-2430
Email: steve.bain@tamuk.edu
Building Name: Rhode Hall
Room Number: 100

Bilingual Education, Ed.D.

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:

1. GRE scores (verbal and quantitative sections) at least sufficiently high to merit admission to the College of Graduate Studies;
2. an acceptable undergraduate and graduate GPA (normally, a 3.0 + undergraduate total or upper division GPA and a 3.25 + graduate GPA are expected);
3. recommendations from references; and
4. 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:

1. linguistics,
2. statistics and
3. 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:

1. admission to the doctoral program or
2. admission to candidacy.

Students enrolling in courses taught in Spanish must be able to fulfill the language requirements of those courses prior to registration.

Educational Leadership, Ed.D.
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.

Higher Education Administration and Leadership, Transcripted Certificate (HEAL) (Doctoral Level)
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 transcripted 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 (https://www.tamu.edu/education/departments/edlc/heal.html).

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.

Faculty
Department of Teacher and Bilingual Education
Doctoral Faculty
Guzman, Norma Associate Professor, Department of Teacher and Bilingual Education; B.A., Texas State University; M.A., The University of Texas-Pan American; Ph.D., The University of Texas at San Antonio.

Sherris, Arieh Associate Professor, Department of Teacher and Bilingual Education; B.A., Shimer College; M.S., University of Surrey (United Kingdom); Ph.D., George Mason University.

Torres, Roberto L Associate Professor, Department of Teacher and Bilingual Education; B.A., Instituto Tecnologico de Estudios Superiores de Occident (Mexico); M.A., Northern Arizona University; Ph.D., University of Colorado.

Wong-Radcliff, Oi Yee Monica Associate Professor, Department of Teacher and Bilingual Education; Bachelors, Hong Kong Shue Yan University (Hong Kong); M.B.A., Aberystwyth University (United Kingdom); Ed.D., University of Louisiana at Monroe.

Emeritus
Bogener, Jerry Professor of Education, Department of Teacher and Bilingual Education; B.S., Missouri State Teachers College; M.A., Missouri State Teachers College; Ed.D., University of Kansas.

Gonzalez, Gustavo Professor of Bilingual Education, Department of Teacher and Bilingual Education; B.A., The University of Texas at Austin; M.A., The University of Texas at Austin; Ph.D., The University of Texas at Austin.
Harvey, Frederick  Professor of Education, Department of Teacher and Bilingual Education; B.A., Kearney State College; M.Ed., University of Nebraska; Ed.D., University of Nebraska.

Hopkins, Grace  Professor of Curriculum and Instruction, Department of Teacher and Bilingual Education; B.A., DePaul University; M.Ed., University of Illinois; Ph.D., University of Illinois.

Morales, Maria  Professor of Bilingual Education, Department of Teacher and Bilingual Education; B.S., Texas Woman's University; M.S., Texas A&I University; Ph.D., The University of Texas at Austin.

**Department of Educational Leadership and Counseling**

**Doctoral Faculty**

Challoo, Hermelinda  Professor, Department of Educational Leadership and Counseling; Associate Dean, College of Graduate Studies; B.S., Texas A&M University-Kingsville; M.S., Texas A&M University-Kingsville; Ed.D., Texas A&M University-Kingsville.

Fedynich, LaVonne  Professor, Department of Educational Leadership and Counseling; B.S., University of Montevallo; M.Ed., Rivier College; Ed.D., Argosy University/Sarasota.

Jones, Jr., J. Don  Associate Professor, Department of Educational Leadership and Counseling; B.S., East Texas State University; M.Ed., East Texas State University; Ed.D., University of Houston.

Kupczynski, Lori  Associate Professor, Department of Educational Leadership and Counseling; B.A., St. Mary's University; M.S., St. Mary's University; Ed.D., Texas A&M University-Kingsville.

**Emeritus**

Low, Gary  Professor of Educational Leadership and Counseling, Department of Educational Leadership and Counseling; B.S., University of Corpus Christi; M.S., East Texas State University; Ph.D., East Texas State University.

**Courses**

**Bilingual Education (EDBL)**

EDBL 6301  Foundations of Bilingual Ed I  3 SCH  (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.

EDBL 6302  Foundations of Bilingual Ed II  3 SCH  (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.

EDBL 6310  Lit of Mexican Amer  3 SCH  (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.

EDBL 6311  Mgmt Systems and Technology  3 SCH  (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.

EDBL 6312  Clin Supervision of Instr  3 SCH  (3-0)
Course emphasizes cycle supervision and the improvement of individual teacher instructional behavior. Prerequisite: EDBL 6311.

EDBL 6313  Evaluation of Instruction  3 SCH  (0-3)
Course emphasizes evaluation skills as applied to curriculum development and student-teacher terminal behavior. Taught in English. Prerequisite: EDBL 6311 and EDBL 6312.

EDBL 6321  Linguistics and Educ I  3 SCH  (3-0)
Major theories and related research on the acquisition and learning of English as a Second Language are presented and synthesized.

EDBL 6322  Linguistics and Educ II  3 SCH  (3-0)
Comparison of English and Spanish in areas of phonology, morphology and syntax; major studies involving Spanish and English language acquisition are examined.

EDBL 6331  Teach English as a Sec Lang  3 SCH  (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.

EDBL 6332  Teaching Span Lang Skills  3 SCH  (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.
EDBL 6333  Teaching English Reading  3 SCH  (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.

EDBL 6334  Teach Subject Matter in Span  3 SCH  (3-0)
Analysis of vocabulary, methodology and skills needed to teach subject matter in Spanish. Prerequisite: 12 graduate semester hours in education.

EDBL 6371  Rsrch Design Bil Ed  3 SCH  (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.

EDBL 6372  Desc Resrch Bil Ed  3 SCH  (3-0)
Principles of descriptive research and their application to the field of bilingual education.

EDBL 6373  Techniqs of Res Pub and Grant  3 SCH  (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.

EDBL 6391  Adv Topics in Bilingual Ed I  3 SCH  (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.

EDBL 6393  Adv Topics in Bilingual Ed II  3 SCH  (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.

EDBL 6398  Dissertation in Progress  3 SCH  (3)

EDBL 6399  Dissertation  3 SCH  (3)

History (HIST)

HIST 6311  History of the Mex American  3 SCH  (0-3)
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.

Counseling and Guidance (EDCG)

EDCG 6301  Emotional Intelligence  3 SCH  (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)

EDLD 6301  Philosophy of Education  3 SCH  (3-0)
Ontological, epistemological and axiological perspectives on various philosophical schools of thought related to education.

EDLD 6302  Research Seminar  3 SCH  (3-0)
Current issues in educational leadership research; national, state, and regional perspectives examined.

EDLD 6303  The Politics of Education  3 SCH  (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.

EDLD 6306  Proposal & Dissertation Resrch  3-9 SCH  (3-9)
Proposal and dissertation research.

EDLD 6311  Contemp Theories in Educ Leadr  3 SCH  (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.

EDLD 6312  Clinical Leadership Lab  3 SCH  (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.

EDLD 6313  Policy Dvlpmnt Decisn Making  3 SCH  (3-0)
Study of policy conceptualization; development and implementation integrated with decision-making processes; ethical and moral responsibility of educational leadership.
EDLD 6314  Professionals in Educ Org  3 SCH (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.

EDLD 6315  Multicultural Analysis  3 SCH (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 Doctor of Education program at Texas A&M-Kingsville

EDLD 6321  Instructional Theory  3 SCH (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.

EDLD 6322  Analysis of Learning Environments  3 SCH (3-0)
Analysis of the school and classroom social system; examination of social, cultural and psychological variables that influence school learning.

EDLD 6323  Advanced Topics in Ed Leadership  3 SCH (3-0)
Selected topics in an identified area of curriculum and instruction; advanced investigations of selected topics and problems dealing with curriculum theory, program design and experimental formulations. May be repeated for credit when topics vary.

EDLD 6324  Curriculum Theory  3 SCH (3-0)
An analysis of theoretical structures underlying curriculum development, implementation and evaluation.

EDLD 6331  Educational Innovations  3 SCH (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.

EDLD 6333  Statistical Reasoning  3 SCH (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.

EDLD 6334  Qualitative Research Design  3 SCH (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.

EDLD 6335  Research in Edu Leadership  3 SCH (3-0)
This course is 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.

EDLD 6345  Advanced Qualitative Research  3 SCH (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 a deeper grasp of the description, analysis, and interpretation of qualitative research.

EDLD 6392  Adv Top in Statistical Reasoning  3 SCH (0-3)
Topics covered will be parametric and non-parametric procedures, prediction and association methods, and test construction and scaling. The course 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.

EDLD 6397  Dissertation Research  3 SCH (0-3)
Principles of research design as they apply to both descriptive and experimental studies in educational leadership. Prerequisite: EDLD 6335.

EDLD 6398  Dissertation in Progress  3 SCH (0-3)
Completion of an approved field study under the supervision of a dissertation adviser.

Higher Education Administration and Leadership (HEAL)
HEAL 6325  Stud Pers Services Higher Ed  3 SCH (3-0)
This course provides an overview of the conceptual and operational aspects that impact the student personnel programs of higher education institutions in the United States. The course is designed to prepare individuals for leadership positions in the field. An overview of content areas of personnel services offered in colleges and universities. Legal, ethical, and professional identity issues are also examined.

HEAL 6326  Curr Prog Planning Higher Ed  3 SCH (3-0)
This course 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. The course is designed to prepare individuals for teaching and leadership positions in higher education and education related fields.
HEAL 6327 Higher Educ Administration 3 SCH (3-0)
This course 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.

HEAL 6328 Strategic Enrollment Ldrship 3 SCH (3-0)
This course focuses on strategic enrollment management, an approach to improved 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.

HEAL 6336 Teaching & Research Higher Ed 3 SCH (3-0)
This course 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.

HEAL 6338 Legal & Ethical Issues 3 SCH (3-0)
This course surveys the legal issues arising from the relationship between higher education institutions and their governing boards, administrators, faculty, students, and governmental bodies. This course 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 (SOCl)

SOCI 6301 Sociology of the Mex Amer 3 SCH (3-0)
Perspectives of the culturally different child. Emphasis of sociocultural awareness and diagnostic and prescriptive strategies. Taught in English.

SOCI 6302 Community Development 3 SCH (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.

Degree Requirements

Bilingual Education, Ed.D.

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:

1. filed the required forms with the graduate dean,
2. successfully completed all course work,
3. passed their written and oral comprehensive examinations and
4. 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.

Educational Leadership, Ed.D.
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.

Higher Education Administration and Leadership, Transcripted Certificate
Certificate Completion
To receive the transcripted certificate, students will complete five (5) classes (15 hours) from the six (6) classes (18 hours) listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAL 6325</td>
<td>Stud Pers Services Higher Ed</td>
<td>15</td>
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<tr>
<td>HEAL 6326</td>
<td>Curr Prog Planning Higher Ed</td>
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<tr>
<td>HEAL 6327</td>
<td>Higher Educ Administration</td>
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<td>HEAL 6328</td>
<td>Strategic Enrollment Ldrship</td>
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<td>HEAL 6336</td>
<td>Teaching &amp; Research Higher Ed</td>
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<tr>
<td>HEAL 6338</td>
<td>Legal &amp; Ethical Issues</td>
<td></td>
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</tbody>
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Total Semester Credit Hours: 15
Doctoral Programs in Engineering

Environmental Engineering, Ph.D.

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

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).

Sustainable Energy Systems Engineering, Ph.D.

Director of the Program: Dr. Mahesh Hosur
Contact: 361-593-4519

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.

Admission Requirements
The general admission for the Ph.D. program in Sustainable Energy Systems Engineering requires that applicants must have earned, at a minimum, a 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.

Faculty

Wayne H. King Department of Chemical Engineering and Natural Gas Engineering

Doctoral Faculty

Alexander, Matthew L Associate Professor, Wayne H. King Department of Chemical and Natural Gas Engineering; B.S., Trinity University; M.S., Georgia Institute of Technology; Ph.D., Purdue University.

Mills, Sr., Patrick Professor, Wayne H. King Department of Chemical and Natural Gas Engineering; Chair; B.S., Tri-State University; M.S., Washington University in St. Louis; D.Sc., Washington University in St. Louis.
Xiao, Chongwei Associate Professor, Wayne H. King Department of Chemical and Natural Gas Engineering; B.A., Hubei University (China); M.E., Beijing Institute of Technology (China); Ph.D., University of Wyoming.

Department of Civil and Architectural Engineering

Doctoral Faculty
Shen, Hui Assistant Professor, Department of Civil and Architectural Engineering; B.S., East China Jiaotong University (China); M.S., Tongji University (China); Ph.D., Purdue University.

Department of Electrical Engineering and Computer Science

Doctoral Faculty
Alam, Mohammad S Professor, Department of Electrical Engineering and Computer Science; Dean, Frank H. Dotterweich College of Engineering; B.S., Bangladesh University of Engineering and Technology (Bangladesh); M.S., Bangladesh University of Engineering and Technology (Bangladesh); M.S., Wayne State University; Ph.D., University of Dayton.

Challoo, Rajab Professor, Department of Electrical Engineering and Computer Science; Chair; B.S., Wichita State University; M.S., Wichita State University; Ph.D., Wichita State University.

McLauchlan, Lifford L Associate Professor, Department of Electrical Engineering and Computer Science; B.S., Texas A&I University; M.S., Texas A&I University; Ph.D., Texas A&M University.

Nekovei, A. Reza Professor, Department of Electrical Engineering and Computer Science; B.S., University of Maine; M.S., University of Maine; Ph.D., University of Rhode Island.

Yilmaz, Muhittin Associate Professor, Department of Electrical Engineering and Computer Science; B.S., Gazi University (Turkey); M.S., Pennsylvania State University; Ph.D., Pennsylvania State University.

Zhang, Xuewei Assistant Professor, Department of Electrical Engineering and Computer Science; B.S., Tsinghua University (China); M.S., Tsinghua University (China); Ph.D., Massachusetts Institute of Technology.

Emeritus
Diersing, Robert Professor of Electrical Engineering, Department of Electrical Engineering and Computer Science; B.B.A., Texas A&I University; M.B.A., Corpus Christi State University; Ph.D., Texas A&M University.

Gorakhpurwalla, Homi Professor of Electrical Engineering and Computer Science, Department of Electrical Engineering and Computer Science; B.S., Bombay University (India); B.S.E.E., Purdue University; M.S.E.E., Purdue University.

Department of Environmental Engineering

Doctoral Faculty
Camacho, Lucy M Assistant Professor, Department of Environmental Engineering; B.S., Technische Universitat Dresden (Germany); M.S., Technische Universitat Dresden (Germany); Ph.D., New Mexico State University.

Clapp, Lee Professor, Department of Environmental Engineering; Chair; B.S., University of Maine; M.S., University of Wisconsin-Madison; Ph.D., University of Wisconsin-Madison.

Jones, Kim Professor, Department of Environmental Engineering; Regents Professor; B.S., United State Military Academy, West Point; M.S., The University of Texas at Austin; M.S., Georgia Institute of Technology; Ph.D., Georgia Institute of Technology.

Lynn, Thomas Visiting Assistant Professor, Department of Environmental Engineering; B.S., University of South Florida; M.S., University of South Florida; Ph.D., University of South Florida.

Ramirez, David Associate Professor, Department of Environmental Engineering; B.S., Universidad Autonoma de Aguascalientes (Mexico); M.S., University of Illinois at Urbana-Champaign; Ph.D., University of Illinois at Urbana-Champaign.

Ren, Jianhong Professor, Department of Environmental Engineering; B.S., Beijing Polytechnic University (China); M.S., Drexel University; Ph.D., Northwestern University.

Sinha, Tushar Assistant Professor, Department of Environmental Engineering; B.Engr., Maharana Pratap University of Agriculture and Technology (India); M.S., Indian Institute of Technology Delhi (India); Ph.D., Purdue University.
Department of Mechanical Engineering and Industrial Engineering

Doctoral Faculty

Demirocak, Dervis Assistant Professor, Department of Mechanical and Industrial Engineering; B.S., Middle East Technical University (Turkey); M.S., Middle East Technical University (Turkey); Ph.D., University of South Florida.

Hossain, Mohammad Assistant Professor, Department of Mechanical and Industrial Engineering; B.S., Chittagong University of Engineering and Technology (Bangladesh); M.S., North Carolina A&T State University; Ph.D., Texas A&M University.

Hosur, Mahesh Professor, Department of Mechanical and Industrial Engineering; Associate Dean of Graduate Studies, Frank H. Dotterweich College of Engineering; B.Eng., Karnatak University (India); M.Tech., Indian Institute of Technology (India); Ph.D., Indian Institute of Science (India).

Jin, Kai Professor, Department of Mechanical and Industrial Engineering; B.S., Nankai University (China); Ph.D., Texas Tech University.

Li, Hua Associate Professor, Department of Mechanical and Industrial Engineering; B.Eng., Tsinghua University (China); Ph.D., Texas Tech University.

Ozcelik, Selahattin Professor, Department of Mechanical and Industrial Engineering; B.S., Technical University of Istanbul (Turkey); M.S., Texas A&I University; Ph.D., Rensselaer Polytechnic Institute.

Peel, Larry Professor, Department of Mechanical and Industrial Engineering; Chair; B.S., Utah State University; M.S., Virginia Polytechnic Institute and State University; Ph.D., Brigham Young University.

Worek, William Professor, Department of Mechanical and Industrial Engineering; B.S., Illinois Institute of Technology; M.S., Illinois Institute of Technology; Ph.D., Illinois Institute of Technology.

Zhou, Hong Professor, Department of Mechanical and Industrial Engineering; B.S., Northern Jiaotong University (China); M.S., Southeast University (China); Ph.D., Tennessee Technological University.

Courses

Environmental Engineering (EVEN)

EVEN 6102 Grad Sem in Environmental Engr 1 SCH (0-1)
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.

EVEN 6301 Environ and Occupational Health 3 SCH (3-0)

EVEN 6304 Internship in Environ Enginng 1-3 SCH (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.

EVEN 6305 Res in Environmental Engr 3 SCH (0-3)
Research for Thesis or Dissertation.

EVEN 6306 Proposal/Dissertation Research 1-3 SCH (0-0-1-3)
Students are allowed no more than 6 hours of registrations to complete a dissertation proposal.

EVEN 6308 Fundmtnls Solid Hazardous Waste 3 SCH (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.

EVEN 6309 Fund Air Qual and Polutn Contr 3 SCH (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.

EVEN 6311 Air Quality Modeling 3 SCH (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.
EVEN 6312 Sur Water Quality Modeling 3 SCH (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.

EVEN 6313 Ground Water Contaminant 3 SCH (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.

EVEN 6314 Ecosystem Modeling 3 SCH (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.

EVEN 6315 Fund of water Quality Engr 3 SCH (3-0)

EVEN 6316 Fundamentals of Environ Biotech 3 SCH (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.

EVEN 6318 Enviro System Modeling 3 SCH (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.

EVEN 6319 Chem Prin of Envir Eng Design 3 SCH (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.

EVEN 6320 Envir Risk and Mgmt of Risk 3 SCH (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.

EVEN 6325 Physical-Chem Water Treatment 3 SCH (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.

EVEN 6329 Environ Monitor and Measurmnts 3 SCH (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.

EVEN 6330 Ecological Engineering 3 SCH (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.

EVEN 6331 Industrial Ecology 3 SCH (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.

EVEN 6332 Environmental Data Analysis 3 SCH (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.

EVEN 6340 Decision Sci for Environ Systm 3 SCH (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.
**Sustainable Energy Systems Engineering (ESEN)**

**ESEN 6102 Seminar in ESEN 1 SCH (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.

**ESEN 6303 Adv T: Sustainable Energy Syst 3 SCH (3-0)**

One or more advanced topics. May be repeated when topic changes.

**ESEN 6306 Proposal/Dissertation 3 SCH (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 is required for the defense. The Graduate Council Representative must be in attendance for the defense. 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.

**ESEN 6310 Sust Energy Sys & Policy 3 SCH (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.

**ESEN 6311 Fund Pow Gen & Energy Storage 3 SCH (3)**

Updated power generation and storage technologies. Design and evaluation of various types of power generation, storage systems, and insights using fundamentals of interdisciplinary engineering principles and a software. Prerequisites: MEEN 5321 and MEEN 5347.

**ESEN 6312 Energy Sys Integ & Design 3 SCH (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 energy systems spectrum. Prerequisites: Graduate Standing.

**ESEN 6313 Adv Eng Math 3 SCH (3)**

Foundation of calculus, stochastic processes, fundamentals of mathematical analysis, optimization principles. Prerequisites: 5000 level Math Course or instructor approval.

**ESEN 6321 Smart Grids 3 SCH (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.
ESEN 6324  Power Electronics  3 SCH (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.

ESEN 6325  Solar Power  3 SCH (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.

ESEN 6326  Characterization of Materials  3 SCH (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 materials that are significant for a particular preparation, study of properties or use, and sufficient 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. Prerequisite: Undergraduate degree in engineering or physical sciences.

ESEN 6328  Nanofab & Nanoscale Dev  3 SCH (3-0)
This course is designed to give students experience in nanofabrication methods such as thin film disposition, 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. Prerequisite: Undergraduate degree in engineering or physical sciences.

ESEN 6329  Adv T: Multiphysics Modelling  3 SCH (3-0)
Review of the 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.

ESEN 6331  Thermal Systems Engineering  3 SCH (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.

ESEN 6332  Advanced Combustion  3 SCH (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

ESEN 6334  Energy Resource Mngmt & Optim  3 SCH (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.

ESEN 6335  Wind Power  3 SCH (3-0)

ESEN 6337  Nuclear Power  3 SCH (3)
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.

ESEN 6341  Advanced Chemical Kinetics  3 SCH (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.

ESEN 6343  Adv Eng Math for Energy Sys  3 SCH (3-0)

ESEN 6351  Sust Construction & Materials  3 SCH (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.
Degree Requirements
Environmental Engineering, Ph.D.

Coursework

Research in Environmental Engineering, Environmental Engineering Graduate Seminar


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. The PhD degree plan must include 24 to 36 credits of coursework, 6 credit hours of graduate seminar, and 21 to 33 credit hours of research.

Normal Course Load
A full-time status course load is 9 credit hours during the fall or spring semesters, and 3 credit hours each summer. For students at the dissertation stage who have completed all required coursework, enrollment in Research/Dissertation (EVEN 6306) constitutes full load.

Research Credits
Research credits (EVEN 6306) counted towards the doctoral degree plan must be associated with documented achievements, the first being successful completion of the doctoral qualifying exam. Letter grades ("A", "B", etc.) in EVEN 6306 will be assigned only for the research proposal and for the dissertation defense; all other research credits used for the final degree plan will be assigned a grade of "CR". Students who make satisfactory research progress during a semester, but without documented achievements will be assigned a grade of "S", while students making unsatisfactory progress will be assigned a grade of "U". Examples of documented achievements include, but are not limited to, the development of a new research methodology, research-related presentations at professional conferences, and publication of research in peer-reviewed journals.

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 coursework 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
Dissertation Proposal

After passing the doctoral qualifying exam, PhD candidates are required to develop a 15-page research proposal following the general format guidelines of a federal funding agency (e.g., the National Science Foundation). PhD candidates must defend the research proposal within one year after passing the doctoral qualifying exam.

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 students after:

- Being 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.
- Completing 21 to 33 credits of research (EVEN 6306) with grades of “A”, “B”, or “CR”.
- Successfully defending the dissertation in the presence of the Research Adviser, Advisory Committee and the Graduate College Representative.

Sustainable Energy Systems Engineering, Ph.D.

Coursework


Research in Sustainable Energy Systems Engineering, Graduate Seminar in Sustainable Energy Systems Engineering


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 core 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.

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 Sustainable Energy Systems 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 soon after completing core courses. The qualifying exam will be formulated by the faculty associate with the program to evaluate the student’s grasp of the fundamental topics considered necessary for the successful completion of a Ph.D. in Sustainable Energy Systems Engineering. Students failing to pass the qualifying exam after two attempts may be discontinued from the program. 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 Sustainable Energy Systems 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.
FACULTY

A

Abrams, Jason Assistant Professor, Department of Chemistry; B.S., University of Florida; M.S., University of Minnesota; Ph.D., Florida State University.

Agarwal, Ravi P Professor, Department of Mathematics; Chair; M.S., Agra University (India); Ph.D., Indian Institute of Technology (India).

Aguiniga, Francisco Professor, Department of Civil and Architectural Engineering; B.S., University of Michoacan (Mexico); M.S., University of Illinois at Urbana-Champaign; Ph.D., Texas A&M University.

Ahangar, Reza R Professor, Department of Mathematics; B.S., Tehran University (Iran); M.S., The Catholic University of America; Ph.D., The Catholic University of America.

Ahmed, Aden O Associate Professor, Department of Mathematics; B.S., Université Joseph Fourier (France); M.S., Portland State University; Ph.D., Portland State University.

Al-Hamdan, Osama Assistant Professor, Department of Civil and Architectural Engineering; B.Sc., Jordan University of Science and Technology (Jordan); M.Sc., University of Alabama in Huntsville; Ph.D., University of Alabama in Huntsville.

Al-Qudah, Omar Senior Lecturer, Department of Environmental Engineering; B.S., Mu'tah University (Jordan); M.S., Jordan University of Science and Technology (Jordan); Ph.D., University of Texas at El Paso.

Alam, Mohammad S Professor, Department of Electrical Engineering and Computer Science; Dean, Frank H. Dotterweich College of Engineering; B.S., Bangladesh University of Engineering and Technology (Bangladesh); M.S., Bangladesh University of Engineering and Technology (Bangladesh); M.S., Wayne State University; Ph.D., University of Dayton.

Albataineh, Hisham Assistant Professor, Department of Physics and Geosciences; B.S., Yarmouk University (Jordan); M.S., Aligrah Muslim University (India); M.S., New Mexico State University; Ph.D., New Mexico State University.

Aleman, Ileana Lecturer I, Center for Student Success; B.A., University of Arkansas; M.S., Texas A&M University-Kingsville.

Alexander, Matthew L Associate Professor, Wayne H. King Department of Chemical and Natural Gas Engineering; B.S., Trinity University; M.S., Georgia Institute of Technology; Ph.D., Purdue University.

Allred, Polly Senior Lecturer, Department of Mathematics; B.S., Utah State University; M.S., Utah State University; Ed.D., Texas A&M University-Kingsville.

Amaya, Joseph Visiting Assistant Professor, Wayne H. King Department of Chemical and Natural Gas Engineering; B.S., Texas A&M University-Kingsville; M.S., Texas A&M University-Kingsville; Ph.D., Texas A&M University-Kingsville.

Ancona-Contreras, Veronica Assistant Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; B.S., Universidad Autonoma de Nuevo Leon (Mexico); M.S., Texas A&M University-Kingsville; Ph.D., Texas A&M University.

Anoruo, Ambrose Professor, Department of Agriculture, Agribusiness, and Environmental Sciences; Higher National Diploma, Fed. College of Forest Technology (Nigeria); M.S., Southern Connecticut State University; M.S., Yale University; Doctor of Forestry, Yale University.

Atkins, Lori Assistant Librarian, James C. Jernigan Library; B.A., The University of Texas at Arlington; M.S., University of North Texas.

Aurangzeb, Muhammad Assistant Professor, Department of Electrical Engineering and Computer Science; B.S., University of Punjab (Pakistan); B.S., University of Engineering and Technology (Pakistan); M.S., University of Engineering and Technology (Pakistan); M.S., National University of Computer and Engineering Sciences (Pakistan); Ph.D., The University of Texas at Arlington.

Avila, Alex Visiting Assistant Professor, Department of Music; B.M., Eastern Michigan University; M.M., The University of Texas at Austin; D.M.A., The University of Texas at Austin.

Ayala-Schueneman, Maria Professor, James C. Jernigan Library; Associate Director (Public Services); B.A., Texas A&I University; M.A., Texas A&I University; M.L.S., San Jose State University; Ed.D., Texas A&M University-Kingsville.

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<td>ADED</td>
<td>Adult Education</td>
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<td>Architectural Engineering</td>
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<tr>
<td>AGBU</td>
<td>Agribusiness</td>
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<tr>
<td>AGRI</td>
<td>General Agriculture</td>
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<tr>
<td>AGSC</td>
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<tr>
<td>ANSC</td>
<td>Animal Science</td>
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<tr>
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<td>ARTS</td>
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<tr>
<td>BAAS</td>
<td>BAAS Credit Only</td>
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<td>BCOM</td>
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<td>INRW</td>
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<tr>
<td>NCBW</td>
<td>Non-Course Based Option Writing</td>
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<td>RWSC</td>
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<td>SWBS</td>
<td>Southwest Borderlands Studies</td>
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<td>THEA</td>
<td>Theatre Arts</td>
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<td>University Learning</td>
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<td>VETT</td>
<td>Veterinary Technology</td>
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<td>WGST</td>
<td>Women and Gender Studies</td>
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<tr>
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