

# ANGELO STATE UNIVERSITY

Member, Texas Tech University System

## 2011-12 Graduate Catalog



## General Information

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### Accreditation

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, masters, and doctorate degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, telephone (404) 679-4500, at (<http://www.sacscoc.org>) for questions about the accreditation of Angelo State University.

*Note: The Commission should be contacted only if there is evidence that appears to support the institution's significant non-compliance with a requirement or standard. Normal inquiries about Angelo State University, such as admission requirements, financial aid, educational programs, etc., should be addressed directly to Angelo State University and not to the Commission's office.*

The Athletic Training Program offered through the Department of Nursing and Rehabilitation Sciences, is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

Angelo State University, through its College of Business, is nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP) to offer the following degree programs: (1) At the graduate level, the Master of Business Administration (M.B.A.) and the Master of Professional Accountancy (M.P.Ac.); and (2) At the undergraduate level, the Bachelor of Business Administration (B.B.A.) degree.

Angelo State University's graduate programs, through its College of Education, are nationally accredited by the National Council for the Accreditation of Teacher Education (NCATE) to prepare individuals working in pre-kindergarten to 12th grade schools and accredited by the Texas Education Agency, State Board for Educator Certification (SBE) to prepare individuals as educational diagnosticians, principals, reading specialists, school counselors, and superintendents of schools.

Angelo State University is an accredited institutional member of the National Association of Schools of Music.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC). In addition, Nursing Programs have full approval status by the Texas Board of Nursing.

Texas Board of Nursing  
333 Guadalupe #3-460  
Austin, TX 78701  
Office: (512) 305-7400  
Fax: (512) 305-7401

National League for Nursing Accrediting Commission  
3343 Peachtree Road NE, Suite 850  
Atlanta, GA 30326  
Telephone: (404) 975-5000  
Fax: (404) 975-5020 website: ([www.nlnac.org](http://www.nlnac.org))  
Toll Free: (866) 747-9965

The Doctor of Physical Therapy program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association.

CAPTE  
1111 North Fairfax Street  
Alexandria, VA 22314  
(703) 684-2782  
(800) 999-2782

### **Statement on Equal Educational Opportunity**

Angelo State University is open to all persons eligible for admission as students regardless of race, color, religion, sex, age, national origin, mental or physical disability, or Vietnam Era or Special Disabled Veteran status. All students admitted to the university are treated without discrimination in regard to their participation in university educational programs or activities. The university is an equal opportunity employer and no applicant or employee will be discriminated against because of race, color, religion, sex, age, national origin, mental or physical disability, or Vietnam Era or Special Disabled Veteran status in regard to employment or during the course of employment in the institution. The university does not discriminate on the basis of sex or disability in its educational programs. Any student with inquiries should contact the Student Life Office, Room 112 University Center, at (325) 942-2191.

### **Notice**

The policies, regulations, procedures, and fees in this Catalog are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, The Texas Tech University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this Catalog do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

## General Information

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### Directory

#### Selected Administrative Offices

Requests for information should be directed to the offices shown below. Mail may be addressed to the appropriate office at Angelo State University, ASU Station, San Angelo, Texas 76909.

Office	Telephone (AC 325)
Academic Affairs . . . . .	942-2165
Academic Deans	
College of Arts and Sciences . . . . .	942-2162 or 942-2024
College of Business . . . . .	942-2337
College of Education . . . . .	942-2212
College of Graduate Studies . . . . .	942-2169
College of Health and Human Services . . . . .	942-2630
Athletics . . . . .	942-2091 or 942-2264
Career Development . . . . .	942-2255
Center for Academic Excellence	
First-Year Experience . . . . .	942-2595
Office of Predeclared Advising . . . . .	942-2710
Supplemental Instruction . . . . .	942-2595
Tutoring Center . . . . .	942-2595
Center for Educator Preparation Information . . . . .	942-2209
Academic Advising for Graduate Certification Degree Plans	
Educator Certification Information	
Field Experience Information	
Center for Innovation in Teaching and Research . . . . .	942-2782
Center for International Studies . . . . .	942-2083
Center for Security Studies . . . . .	486-6682
Development . . . . .	942-2116
Enrollment Management . . . . .	942-2041
Admissions . . . . .	942-2041
Carr Academic Scholarship . . . . .	942-2246
Financial Aid . . . . .	942-2246
Registrar . . . . .	942-2043
Veterans Affairs . . . . .	942-2159
Finance and Administration . . . . .	942-2017
Honors Program . . . . .	942-2722
Housing and Residential Programs . . . . .	942-2035
Information Technology . . . . .	942-2333
Institutional Research and Effectiveness . . . . .	942-2259
Library . . . . .	942-2222
Multicultural Center . . . . .	942-2729
President . . . . .	942-2073
ROTC-Air Force . . . . .	942-2036
Student Accounts . . . . .	942-2008
Student Affairs and Enrollment Management . . . . .	942-2193

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## General Information

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### Overview

The College of Graduate Studies is a body of scholars designated as the graduate faculty and of students duly admitted to pursue studies beyond the baccalaureate degree. The members of the graduate faculty are expected to maintain active participation in their respective fields of scholarship. The administrative head of the College of Graduate Studies is the Dean of the College of Graduate Studies, who reports to the Provost and Vice President for Academic Affairs. In each graduate degree program, the Dean of the College of Graduate Studies, with the approval of the Provost and Vice President for Academic Affairs, appoints one member of the graduate faculty to be graduate advisor.

The Dean of the College of Graduate Studies supervises all graduate course offerings, the programs of individual graduate students, and the research projects (theses and reports) of the degree candidates. The graduate advisors assume immediate responsibility for the programs and counseling of graduate students in their various areas.

The College of Graduate Studies faculty and administration authorize all degrees beyond the baccalaureate degree awarded by the University.

### The Nature and Purpose of Graduate Work

The purpose of graduate education is to provide advanced and specialized training beyond the baccalaureate program. Graduate study is intended to strengthen the academic and professional competence of the student, to develop the student's capacity for independent study, to familiarize the student with past and current research, to train the student in the techniques of research, and to enable the student to relate his or her research to the investigations of other scholars and derive significant implications from the relationships.

Graduate study presupposes a broad background of knowledge, an adequate preparation in appropriate fields of study at the baccalaureate level, and a command of skills required to carry on intensive research and investigation with a high degree of resourcefulness and self-direction. Generally speaking, only students with superior undergraduate academic records are qualified to pursue study at the graduate level.

It should be noted that graduate studies differ from undergraduate studies in the following respects: (1) The graduate student is expected to assume greater responsibility and to exercise more individual initiative. (2) More extensive and intensive reading is required. (3) Greater emphasis is placed on productive research, with particular emphasis on the use of primary materials. (4) Seminar methods are employed with greater frequency, as greater class participation by the student is required. (5) Less instruction is provided in content, survey-type lecture courses.

Graduate study thus involves far more than the passing of a given number of courses and the fulfillment of certain minimum requirements. The student cannot be content solely with earning acceptable grades. The student must continually satisfy the Graduate Faculty in the major field by displaying superior intellectual powers and scholarly commitment in order to maintain graduate status and good standing in the school.

## General Information

### Angelo State University

Angelo State University is a dynamic institution of higher education long recognized for its strong academic programs, its technological sophistication and its nurturing environment, which helps all students—including many first-generation college attendees—attain their full potential.

As a comprehensive university and a member of the Texas Tech University System, Angelo State has built a national reputation, being selected by the prestigious *Princeton Review* as one of the “Best Colleges” nationally for three consecutive years since 2010. One of the nation's most prominent college guides, *Princeton Review* is the only major one that surveys students for their opinions before publishing its college recommendations. ASU was one of only three state-supported institutions in Texas to make the list each year since 2010. Since 2009 ASU has also been recognized by the U.S. Department of Education as an Hispanic Serving Institution.

## General Information

With a full range of academic programs as well as a vibrant Center for Security Studies and an active Center for International Studies, ASU provides educational opportunities that prepare students for successful careers or for entry into graduate and professional schools, such as medicine and law. For instance, ASU's pre-law graduates have a 90 percent acceptance rate into law school. Graduates completing Angelo State's pre-med program over the last four decades have an average 52 percent acceptance rate to medical school, compared to a statewide average of 35 percent. The Mathematics and Computer Science Department's computer game development sequence has been named one of the "Top 50 Undergraduate Game Design Programs" in the U.S. by the *Princeton Review* while ASU Physics and Geosciences Department has been identified by *Physics Today* as one of the top 21 undergraduate programs in the nation.

Academically, the university is organized with five colleges—Arts and Sciences; Business; Education; Health and Human Services; and Graduate Studies—as well as 18 academic departments. Those departments offer one associate degree, 42 undergraduate degrees, 25 master's degrees and one doctoral degree with more than 100 majors and concentrations. Additionally, ASU provides options for a variety of pre-professional and four-plus-one programs.

In addition to strong academic offerings, ASU provides an ultramodern, 268-acre campus that offers an attractive and safe setting for a college education. ASU's campus facilities are valued at over \$376 million and include the Math-Computer Science Building, which houses one of the most sophisticated computer systems in the state; the Junell Center/Stephens Arena, one of the top facilities in all of NCAA Division II athletics; and the Houston Harte University Center, the focus of campus student life.

Not only does Angelo State provide excellent facilities for higher education, but also the financial resources to help students attain that education. Through the Carr Academic Scholarship Program, ASU annually awards scholarships of more than \$5.4 million to students. Since Carr scholarships were first awarded in 1981, more than \$61.7 million has been granted to ASU students. Through the Carr Scholarships and ASU's extensive gift aid program, Angelo State students graduate with one of the lowest debt burdens statewide.

Beyond the classroom, ASU students have a variety of opportunities to broaden their horizons and strengthen their resumes. With more than 100 student organizations to choose from and active recreational and intramural offerings, students can connect with others who have similar interests. ASU leadership programs allow students to develop skills that will help them in their careers and in life. The Center for International Studies allows students to complement their campus education with study abroad programs as near as Mexico and as far away as Russia.

The numerous academic and extracurricular opportunities are complemented by a highly competitive inter-collegiate athletics program with men's teams in five sports and women's teams in eight sports. The Rams and Rambelles compete in NCAA Division II and the Lone Star Conference. Over the years the institution has claimed four national titles, the most recent being the NCAA D-II Women's Track and Field Championship in 2010 and the 2004 NCAA D-II Softball Championship.

Success at ASU, whether in the classroom, in student organizations or on playing fields, translates into success in life. ASU graduates have headed major national corporations, played in Super Bowls, anchored national newscasts, served on Pulitzer Prize juries, held statewide political office, and made numerous contributions to their communities and society.

## Mission Statement

Angelo State University, a member of the Texas Tech University System, delivers undergraduate and graduate programs in the liberal arts, sciences, and professional disciplines. In a learning-centered environment distinguished by its integration of teaching, research, creative endeavor, service, and co-curricular experiences, ASU prepares students to be responsible citizens and to have productive careers.

Approved by the Board of Regents, Texas Tech University System, March 6, 2009.

Approved by the Texas Higher Education Coordinating Board, April 30, 2009.

## General Information

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### Value Statements

- **Learning: Our Focus**

ASU holds student learning as the center of everything that we do.

- **Excellence: Our Standard**

ASU embraces excellence in teaching, scholarly activity, creative endeavor and service.

- **Transformation: Change for the Better**

ASU prepares its students for a life of contribution and accomplishment by instilling a respect for learning and intellectual inquiry.

- **Integrity: Social and Ethical Responsibility**

ASU expects a high standard of social and ethical responsibility from all members of the campus community.

- **Engagement: Participation and Community Service**

ASU encourages participation and community service both on and off campus by faculty, staff, and students.

- **Innovation: Teaching, Service, and Scholarship**

ASU promotes innovation in teaching, scholarship, technology, collaborative partnerships, support services, and co-curricular activities.

- **Diversity: Cultures, People and Ideas**

ASU believes that everyone should experience a diversity of cultures, people and ideas in order to better appreciate the world around them.

- **Collegiality: Getting Along**

ASU fosters -among students, faculty, and staff, and across disciplines-a culture of shared governance, open communication, transparent operations, and mutual respect.

### History of the University

Angelo State University was created as Angelo State College in 1965 by an act of the 58th Session of the Texas Legislature in 1963, but its origins can be traced to an unsuccessful 1923 bid to be selected as the home of Texas Technological College. When Lubbock was chosen as the site for Texas Tech, the citizens of San Angelo decided to create their own college, even if they had to pay for it themselves. Funded by local contributions and a self-imposed city tax rate, San Angelo Junior College opened its doors in 1928 on North Oakes street near downtown San Angelo.

When classes began, 112 students enrolled with city students paying \$75 tuition and out-of-town students \$115. In May of 1929, six students walked across the stage in the institution's first commencement exercise. Today ASU has more than 31,000 alumni around the globe. In 2007 ASU became the newest member of the Texas Tech University System.

Academics have always been important at Angelo State, even when the school was known as San Angelo College, which as early as 1936 was one of the few junior colleges accredited by the Southern Association of Colleges and Schools, or SACS. The voters of Tom Green County in 1945 created a County Junior College District and elected the first Board of Trustees. In 1947 the first building was constructed on the present campus, which today encompasses 268 acres.

The citizens of San Angelo never lost the dream of having a four-year college in their community and worked diligently to accomplish that goal. That dream became a reality, effective September 1, 1965, when authority for the institution was transferred from the Board of Trustees of the junior college to the Board of Regents, State Senior Colleges, later the Texas State University System. In May of 1967, the first baccalaureate degrees were awarded. The name of the institution was changed to Angelo State University in May of 1969.

The College of Graduate Studies was authorized by the Board of Regents on May 15, 1970, and approved by the Texas Higher Education Coordinating Board, on October 19, 1970. The first graduate students were enrolled in the fall of 1971.

By 1991, ASU was receiving national attention, being recognized by *U.S. News and World Report* as one of the nation's up-and-coming universities.

## General Information

On September 1, 2007, the university became a member of the Texas Tech University System. Three months prior to that on June 1, Dr. Joseph C. Rallo became the fourth president of Angelo State and the ninth since the institution opened its doors in 1928. Presidents of the institution have been Felix E. Smith, 1928-38; Wilson H. Elkins, 1938-48; John A. Guinn, 1949-50; Brian Wildenthal, 1950-52; Rex F. Johnston, 1952-54; Raymond Cavness, 1954-67; Lloyd D. Vincent, 1967-94; E. James Hindman, 1995-2007; and Joseph C. Rallo, 2007-present.

### City of San Angelo

San Angelo is the center of a thriving community of 100,000 and the city nearest the geographic center of Texas. For some, San Angelo is the true heart of Texas. For others, it is where Central Texas and the Hill Country meet West Texas. Either way, it is a community of genuine, big-hearted and hard-working people who are proud of their Texas heritage.

San Angelo has a rich and culturally diverse history. Though the city owes its birth to the establishment of Fort Concho along the Concho River in 1867, various Indian tribes as well as Spanish conquistadors and priests traversed the area for centuries before that. They were followed by Buffalo soldiers and pioneer ranchers, who opened the way for merchants, bankers and educators in San Angelo and Tom Green County.

This diverse heritage is celebrated annually through the Juneteenth Celebration, the Fiestas Patrias, the Diez y Seis de Septiembre festivities and Frontier Day at Fort Concho National Historic Site as well as Christmas at Old Fort Concho. And, in honor of Independence Day, the community comes together for a grand celebration that includes a patriotic pops concert and fireworks display July 3 at the River Stage on the banks of the Concho River downtown and a July 4 fireworks show over Lake Nasworthy. The annual rodeo and livestock show in the spring and the roping fiesta each fall pay homage to the region's ranching roots.

In addition to being a historical oasis, San Angelo is also a cultural paradise. The San Angelo Symphony performs six concerts a year. The San Angelo Civic Ballet and Angelo Civic Theatre offer a variety of programs annually. The San Angelo Museum of Fine Arts with its distinctive architecture provides a wonderful setting for exhibits by some of Texas' finest artists. Historical displays at Fort Concho and the Railway Museum of San Angelo attract visitors from throughout the nation. Downtown boasts a series of historical murals and Paint Brush Alley, where the artistry ranges from the nostalgic to the whimsical. The Cactus Hotel is a local landmark with its elegant crystal ballroom, which serves as the center of numerous cultural activities for the community. Visitors along the River Walk enjoy the prize-winning sculpture of the "Pearl of the Conchos," a West Texas mermaid with outstretched hand holding a symbolic Concho Pearl, a pink gem unique to the waters of the Concho River around San Angelo.

San Angelo beauty is also found in the outdoors with the International Water Lily Garden in full color between March and September. It is complemented by the Sunken Garden, Rio Concho Garden, Terrace Garden and Gazebo Garden, all part of the city's system of 32 municipal parks. The River Walk along the Concho provides 14 water displays, dramatic lighting and a four-mile trail for enjoying nature.

The Nature Center on the outskirts of town by Lake Nasworthy is a regional museum and learning facility. Lake Nasworthy -- along with O.C. Fisher Reservoir and Twin Buttes Reservoir -- provides residents and visitors a variety of water sport opportunities, ranging from fishing to water skiing. Adjacent to Fisher Reservoir, San Angelo State Park sits astride the junction of four ecological zones, making the park one of the most diverse natural preserves in all of Texas.

San Angelo is home to Goodfellow Air Force Base as well as a strong business community that includes such national corporations as SITES, Verizon, Goodyear and Ethicon. Additionally, San Angelo is a regional medical center.

Overall, San Angelo has all the advantages of a large city -- numerous civic and cultural events, ample shopping, varied entertainment options, a solid business community and more -- along with all the charm of a small town, ranging from safe streets to friendly people. That combination helps make San Angelo an ideal environment for a college education.

# Admission Requirements

## Student Responsibility

**NOTICE:** The regulations contained in this Catalog are based upon present conditions and are subject to change without notice. The University reserves the right to modify any statement in accordance with unforeseen conditions.

The student is held responsible for knowing degree requirements and enrolling for appropriate courses. The student is likewise held responsible for knowing the University deadlines and regulations in regard to the standard of work required for continuance in the College of Graduate Studies. If additional information is needed, the College of Graduate Studies should be consulted.

For a complete list of requirements for a particular degree, the student should combine the General Degree Requirements (page 38) and the special requirements listed by departments under Departmental Information.

## Bacterial Meningitis Vaccination

The state of Texas requires that students registering for the first time at ASU or returning to ASU after taking at least one long semester away from continuous enrollment must provide verification of appropriate bacterial meningitis vaccination, effective January 1, 2012. Verification of vaccination must be received at least 10 days prior to the beginning of each enrollment period. It is ASU policy to place a hold on the student's ability to register at the time of admission to the university. It is therefore imperative that the student provide the necessary documentation in a timely manner.

Exceptions to the vaccination requirement are allowed in limited circumstances consistent with Texas Legislation:

- An affidavit or certificate from a physician that states that the vaccination would be harmful to the health and well-being of the student.
- A conscientious exemption form from the Texas Department of State Health Services that states that the student is declining the vaccination for reasons of conscience, including a religious belief.

Complete information is available on the ASU website at ([http://www.angelo.edu/services/registrar\\_office/meningitis](http://www.angelo.edu/services/registrar_office/meningitis))

## Personal Standards

Angelo State University requires the same personal standards and applies the same criteria in considering applications for admission as it uses in the retention of students who are enrolled. To be consistent with this policy, the University reserves the right to refuse acceptance to prospective or former students who have criminal records including conviction of a felony, offenses involving moral turpitude, or other offenses of serious nature. The personal standards of conduct expected of students who enroll at Angelo State University are provided in the Student Life Regulations and Policies contained in the Student Handbook.

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## **Admission to the College of Graduate Studies**

### **I. General Requirements**

- A. Angelo State University strives to admit students to graduate study who show promise of succeeding in a rigorous academic environment. This promise is generally demonstrated through superior academic performance, as measured by undergraduate grade point average (GPA) and/or standardized test scores (i.e., GRE or GMAT) as determined by individual program requirements. Applicants who have distinguished themselves in curricular and extracurricular undertakings, have exhibited exceptional leadership abilities, or have demonstrated special skills or talents related to the area in which they intend to pursue their studies may also be worthy of consideration for admission.

Admission as either a degree-seeking or a non-degree seeking student is granted by the dean of the College of Graduate Studies upon the recommendation of the department of proposed study. Only students who have submitted completed applications will generally be considered for admission. A completed application consists of the following:

1. Graduate Application for Admission form, with residency information;
2. Current application fee (non-refundable); current application fee (U.S. Currency non-refundable) for international applicants;
3. Official Graduate Record Exam (GRE) or Official Graduate Management Admissions Test (GMAT) score for individual programs that require the GRE/GMAT as determined by the College of Graduate Studies. To be considered official, GRE/GMAT scores must be mailed directly to the ASU College of Graduate Studies from the Educational Testing Service;
4. Official transcripts from all colleges or universities attended (except Angelo State University). All college/university transcripts that are received by mail from the sending college/university are considered "official". All college/university transcripts that are sealed in the sending college/university envelope and hand-carried or mailed by the student are considered "official".
5. Degree-seeking students only who are applying to a program requiring an essay must submit an essay of length as determined by the program. Specific essay requirements can be found on the College of Graduate Studies homepage, under the Essay link.
6. Transcripts must include certification of a completed baccalaureate or higher degree from a college or university with substantially similar degree requirements as those of Angelo State University. International students, and applicants for whom English is not their first language, must also include official scores from the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) taken within the last two years, and the international student application forms. The minimum TOEFL score is 550 (paper and pencil test), 213 (computer-based test), or 79 internet-Based Test (iBT). Physical Therapy, however, requires a 600 (paper and pencil test) or 250 (computer-based test.) A score of 7 is required on the Academic Module of the IELTS.

Students not meeting the TOEFL or IELTS requirements can apply to the English Language Learners Institute (ELLI) and may be provisionally admitted. After successful completion of ELLI requirements, student may begin their graduate program.

# Admission

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## II. Admission to the College of Graduate Studies as Degree-Seeking Student

The process for determining admission as a degree-seeking student is as follows:

- A. The completed application is sent to the department of proposed study for an admission recommendation. The department looks at the following factors:
  1. Completion of the undergraduate prerequisites for the intended program, as indicated below.
  2. The applicant's previous academic record, which may include overall GPA, last 60 hour GPA, GPA in the major or in the prerequisite courses, and/or GPA in any relevant graduate work. GPAs are computed on all course work taken including all grades on repeated courses.
  3. The applicant's GRE/GMAT test score, if required for the program.
  4. The essay, if required for the program.
  5. Other criteria, as defined by the program.
- B. Applicants who submit a satisfactory essay, if required by the program, have at least a 2.50 overall undergraduate GPA or 3.00 in the last 60 semester hours, and who meet the program's formula, if applicable, (and in some programs, additional criteria) will generally be awarded regular admission, resources permitting. Applicants who fall slightly below the formula or GPA standards may be considered for provisional admission. If the department of proposed study deems the applicant shows promise of succeeding in the program, provisional admission, with conditions, may be granted.
- C. Applicants who have not completed all prerequisites may be required to complete them before being considered for admission. In some programs, applicants may be admitted if they lack some prerequisites, but will be required to make up these undergraduate courses (leveling work) within the first year of their graduate enrollment.
- D. Applicants who have not submitted GRE/GMAT scores to programs that require standardized tests, but who have an undergraduate GPA of 3.00 or better (4-point scale) in the total undergraduate record, including all grades on repeated courses, may be granted provisional admission to programs that require standardized tests, with the approval of the graduate faculty in the applicant's major department and the graduate dean. These applicants must provide satisfactory GRE/GMAT scores before the end of their first semester of enrollment \*. Provisional admission does not guarantee regular admission. When the test score is received, the student's application file will be reviewed by the applicant's major department for an admission decision recommendation. Students who do not satisfy the grade point criteria listed above and have not submitted GRE/GMAT scores to programs that require standardized tests will not be considered for admission until the appropriate test scores are received by the College of Graduate Studies.
- E. Applicants who are given **provisional admission** will be on academic probation, with the requirement that they maintain at least a 3.00 cumulative grade point average in all graduate-level work until they have completed at least nine semester hours of graduate-level work in a degree program at Angelo State University. Failure to maintain the requisite 3.00 may result in dismissal from the graduate program in which the student has been studying.
- F. **Offer of Admission.** Only written notice from the dean of the College of Graduate Studies constitutes approval of admission.
- G. Graduate students who do not attend classes for one year must re-apply for admission.

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\* Except Physical Therapy, Biology, and Industrial/Organizational Psychology, GRE or GMAT scores for Business Administration must be submitted with the application to the College of Graduate Studies.

### Special Admission Requirements and Procedures for International Students

Angelo State University is authorized under federal law to enroll nonimmigrant alien students.

A student from a foreign country will be eligible for admission to Angelo State University and a Form I-20, Certificate for Eligibility, will be issued when all admission requirements have been met and the following items are on file in the Office of the Dean of the College of Graduate Studies:

- Official transcripts of previous academic records with English translation, if original transcript is not in English.
- An evaluation of the transcript(s) by an official foreign transcript evaluator.
- Supplemental Information Form for foreign applicants. \*
- Statement from parent, guardian, or other sponsor guaranteeing the applicant's financial support while in the United States.

An international applicant must have all of these items on file in the Office of the Dean of the College of Graduate Studies no later than June 10 in order to register for the fall semester, November 1 to register for the spring semester, and March 15 to register for the summer session.

### Insurance Requirements for International Students

All international students will be automatically billed by ASU for the Group Hospitalization, Medical U.S. Evacuation, and Repatriation Insurance plan provided through the University for each semester enrolled. Further information regarding insurance coverage and cost may be obtained from the University's International Student and Scholars Services Counselor in the Center for International Studies.



\* These forms are available on-line at ([www.angelo.edu/dept/grad\\_school/forms.html](http://www.angelo.edu/dept/grad_school/forms.html)).

## Admission

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### Program Prerequisite Requirements and Formulas

#### **Accounting (M.B.A. or M.P.Ac.)**

##### Prerequisites:

- Principles of Accounting I and II or Independent Study in Financial Accounting
- Intermediate Accounting I and II or Independent Study in Managerial Accounting
- Cost Accounting
- Individual Income Tax
- Business Calculus and Finite Mathematics II or Calculus I
- Business Law
- Accounting Information Systems
- Auditing
- Business Statistics or Independent Study in Statistics
- Microeconomics or Independent Study in Economics or Economic Theory and Policy
- Financial Management or Independent Study in Finance
- Advanced Accounting I

Have a 2.50 GPA in Intermediate Accounting I and II, with no grade lower than "C".

Formula: See Graduate Studies web site for current formula.

#### **Animal Science (M.S.)**

##### Prerequisites:

Completion of a minimum of 24 semester credit hours of undergraduate course work in animal science, agriculture, range management, wildlife management, or agronomy, including 12 semester credit hours of advanced course work.

Formula: See Graduate Studies web site for current formula.

#### **Biology (M.S.)**

##### Prerequisites:

Completion of a minimum of 24 semester credit hours of undergraduate course work in biology, including 12 semester credit hours of advanced course work (to include cell biology, evolution, ecology, biostatistics). A B.S. or B.A. in biology or a related discipline (e.g., zoology, botany, microbiology, wildlife ecology).

Formula: See Graduate Studies web site for current formula.

#### **Border Security (M.S.)**

##### Prerequisites:

All applicants for the Master of Science in Border Security program must hold a bachelor's degree from an accredited college or university. All potential graduate students are evaluated on an individual basis. All potential graduate students must submit all related materials requested in the evaluation criteria. The evaluation criteria include the following:

- Undergraduate academic record (transcripts of all undergraduate course work);
- 2.75 undergraduate GPA or 3.0 in the last 60 hours of undergraduate course work;
- At least two letters of recommendation;
- An essay of no more than 750 words regarding your opinion of the single most important challenge to U.S. homeland security written in endnote or footnote format. Outside sources may be used.

### **Business Administration (M.B.A.)**

#### Prerequisites: \*

- Accounting 2301 and 2302 or Accounting 5191 and 5192
- Economics 2301 and 2302, or Economics 5191 or Economics 6300
- Finance 3361 or Finance 5191
- Mathematics 1325
- Management 3300 or Management 5191
- Management Science 2331 (statistics) or Management Science 5191
- Marketing 3321 or Marketing 5191

No formula: A resume is required.

### **Coaching, Sport, Recreation, and Fitness Administration (M.Ed.)**

Prerequisites: Sufficient background experiences in professional competency areas.

### **Communication (M.A.)**

#### Prerequisites:

Completion of a minimum of 24 semester credit hours of undergraduate course work in either communication or journalism, including 12 semester credit hours of advanced course work. Other majors will be considered on a case by case basis.

### **Criminal Justice (M.S.)**

#### Prerequisites:

All applicants for the Master of Science degree in Criminal Justice program must hold a bachelor's degree from an accredited college or university. All potential graduate students are evaluated on an individual basis. All applicants must submit the following materials and meet the admission criteria as indicated:

- Undergraduate academic record (transcripts of all undergraduate course work);
- 2.75 undergraduate GPA or 3.00 in the last 60 hours of undergraduate course work;
- At least two letters of recommendation;
- An essay of no more than 750 words regarding your opinion of the single most important challenge to 21st Century Criminal Justice written in endnote or footnote format. Outside sources may be used.

### **Curriculum and Instruction (M.A.)**

Prerequisite: Hold a baccalaureate degree.

### **Education (M.Ed.)**

#### Prerequisites:

Hold a Texas Teacher Certificate or equivalent except for the Student Development and Leadership Program.

### **English (M.A.)**

#### Prerequisites:

Completion of a minimum of 24 semester credit hours of undergraduate course work in English, including 12 semester credit hours of advanced course work.

### **Kinesiology (M.S.)**

#### Prerequisites:

Completion of a minimum of 24 semester credit hours of undergraduate course work in kinesiology, including 12 semester credit hours of advanced course work. Other majors will be considered on a case by case basis.

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\* Credit for 5000 level business area courses may not be used for degree requirements.

# Admission

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## Nursing (M.S.N.)

### Prerequisites:

- A baccalaureate degree in nursing (except for RN to M.S.N. students) from a program accredited by the National League for Nursing Accrediting Commission or the AACN Commission on Collegiate Nursing Education.
- Statistics (with a grade of "C" or higher).
- Current unencumbered license to practice as a Registered Nurse in Texas or state where student will engage in clinical experiences.
- A basic computer literacy course or demonstrated proficiency.
- Evidence of inclusion of basic physical assessment content in an undergraduate nursing program or demonstrated proficiency in health assessment.
- Basic pathophysiology (with a grade of "C" or higher).
- Two professional references.
- RN to M.S.N. students must have completed at least 90 semester credit hours with a minimum grade point average of 3.00 and be an RN.

## **Physical Therapy (D.P.T.) Each cohort is limited to a maximum of 26 students.**

Physical Therapy applicants must pass through a two-stage process and have completed a baccalaureate degree. 50 hours of volunteer/observation in at least 2 physical therapy settings is required.

Prerequisites: (a minimum cumulative prerequisite GPA of 3.00 on a 4.00 scale is required. If courses are repeated, the last grade attained is used.)

- Human Anatomy (with lab)
- Human Physiology (with lab)
- Upper division Anatomy (with lab) or upper division Physiology (with lab)
- General Chemistry I and II (with labs)
- General Physics I and II (with labs)
- General Psychology
- Developmental Psychology or Abnormal or Physiological Psychology
- Statistics
- Technical Writing
- Math [Algebra & Trigonometry, or better (i.e., precalculus, calculus, etc.)]

Formula: See Graduate Studies web site for current formula.

## **Professional Education (M.Ed.)**

Professional Education does not require a teaching certificate.

## **Psychology (M.S.)**

### Prerequisites:

Complete a minimum of 18 semester credit hours, including 12 advanced hours of undergraduate course work in psychology, to include research methods.

## **Public Administration (M.P.A.)**

### Prerequisites:

Complete a minimum of 24 semester credit hours in the academic disciplines of public administration, political science, psychology, business, or the social sciences, of which at least 12 are advanced undergraduate hours.

### **Security Studies (M.S.S.)**

#### Prerequisites:

All applicants for the Master of Science degree in Security Studies must hold a bachelor's degree from an accredited college or university. All potential graduate students are evaluated on an individual basis. All applicants must submit the following materials and meet the admission criteria as indicated:

- Undergraduate academic record (transcripts of all undergraduate course work);
- 2.75 undergraduate GPA or 3.00 in the last 60 hours of undergraduate course work;
- At least two letters of recommendation;
- An essay of no more than 750 words regarding your opinion of the single most important challenge to U.S. national security written in endnote or footnote format. Outside sources may be used.

### **Special Education (M.Ed.)**

Special Education does not require a teaching certificate.

## **Undergraduates Receiving Graduate Credit**

A senior undergraduate student who has an overall 3.00 or better grade point average and who has completed at least 100 semester credit hours of academic work toward a baccalaureate degree may, with the approval of the Dean of the College of Graduate Studies, be granted senior-graduate status and register for a maximum of six semester credit hours of graduate-level work, provided that the total number of semester credit hours in a semester does not exceed 15 or a summer term exceed seven (7). The total number of graduate semester credit hours taken as a senior-graduate may not exceed six, and no course used on the degree plan toward a baccalaureate degree may be used also on a graduate degree plan. Senior-graduate students are eligible for integrated baccalaureate-master's degree scheduling if their major departments offer such plans.

## **Transient Status**

Transient status may be granted to applicants who want to take a maximum of nine semester credit hours of work in the College of Graduate Studies and transfer it to another institution where they are pursuing a graduate degree program. A letter from the dean of the other institution's graduate school stating that the student has good standing there must be received by the Dean of the College of Graduate Studies at Angelo State University.

## **Non-Degree Status**

Applicants, other than international ones, who hold baccalaureate degrees and who do not intend to pursue a master's degree at Angelo State University, may apply for non-degree status. Entrance requirements for non-degree applicants are the same as for degree-seeking applicants. Continued registration as a non-degree graduate student is contingent each semester upon satisfactory academic performance.

Graduate credit normally will not be allowed for use on a master's degree plan at Angelo State University unless the student has been granted regular or provisional admission to a degree program in the College of Graduate Studies and is registered therein when the course is taken. Students holding senior-graduate status are excepted from this provision. If a non-degree student subsequently is admitted to a degree program, a **maximum** of 9 semester credit hours (SCH) of graduate-level work taken prior to admission to the degree program may be used in the student's degree program but only with the written approval of the major department's graduate advisor, the chair of the student's major department, and the Dean of the College of Graduate Studies. Curriculum and Instruction certification (24 SCH) and Master Reader Teacher (12 SCH) are exempt from this policy.

## Admission

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### Fresh Start

An applicant for admission to the College of Graduate Studies who is a Texas resident who has completed a baccalaureate degree under Sec 51.931 of the Texas Education Code ("Academic Fresh Start") shall have only the grade point average established by the course work completed as an undergraduate student under the Sec 51.931 statute considered, along with any other criteria used to evaluate applicants for admission into the specific graduate degree program sought. An applicant who chooses to apply under this condition must inform the College of Graduate Studies of this choice at the time of application.

### Senior Citizen Status

Individuals 65 years of age or older may audit courses offered by the institution without the payment of tuition or fees if space is available and the chair of the department approves. The individual does not have to apply to the College of Graduate Studies. Information may be obtained through the Registrar's Office. No academic credit will be given for audited courses.

### Enrollment in Graduate Courses

A student will not receive graduate credit for any course taken unless he or she has previously been formally admitted to the College of Graduate Studies in one of the above-described categories.

### Procedures

All persons seeking admission to the College of Graduate Studies must complete and file with the Dean of the College of Graduate Studies an application form, which is available on the Angelo State University Graduate Studies website ([http://www.angelo.edu/dept/grad\\_school/](http://www.angelo.edu/dept/grad_school/)). To insure that proper consideration can be given to evaluating the applicant's credentials, the applicant should request all transcripts and have entrance examination scores sent by the source to the College of Graduate Studies as early as possible. One official copy of transcripts of credits from all colleges and universities the applicant has attended must be received **in a sealed envelope directly from the institution(s) involved**. Applicants must pay the (non-refundable) application fee before consideration can be given to their application.

Admission to the College of Graduate Studies remains valid for one year unless he or she engages in active graduate work at Angelo State University. If the applicant does not enroll in graduate work for the semester which they applied, extensions of the one-semester limit may be granted if requested in writing by the applicant.

### Tuition and Fees

A complete list, including authority and explanations for tuition and fees, is available on the Current Students web page (<http://www.angelo.edu/cstudent>) in the Global Fee Document. Tuition and fee grids are provided on the site to assist students in estimating the cost of attendance based on enrolled semester hours.

The Student Accounts Office is responsible for billing and collection of student accounts. Angelo State University reserves the right, without notice in this or any other publication, to change, amend, add to, or otherwise alter any or all fees, dues, rates, or other charges set forth herein and subject to action by the Texas State Legislature, the Board of Regents of the Texas Tech University System, or other authority.

**It is the student's responsibility to ensure payment of tuition and fees based on the number of semester credit hours for which they register is received by the payment due date.**



## Tuition and Fees

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### Residency for Tuition

The determination of residency classification for tuition purposes is governed by statutes enacted by the Texas Legislature and rules and regulations promulgated by the Texas Higher Education Coordinating Board. A student is classified either as a resident of Texas or a non-resident of Texas, for tuition purposes. Residency classification, for tuition purposes, is based on the residency information an applicant provides on their application for admission. If an applicant or student is classified as a non-resident and wishes to be considered for reclassification as a resident, it is necessary to submit the Residency Reclassification Questionnaire available from the Office of the Registrar. Documentation may be requested by the institution in order to resolve issues raised by the information provided in response to the Core Residency Questions.

The Texas Higher Education Coordinating Board rules include the following provisions covering some of the more common residency situations. The following information is neither exhaustive nor complete and should not be interpreted as such. Full regulations are available at the Office of the Secretary of State - Texas Administrative Code website at: ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=19&pt=1&ch=21&rl=21](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=19&pt=1&ch=21&rl=21)) and also on the College for All Texans website at: (<http://www.collegeforalltexans.com/index.cfm?ObjectID=6D1466D9ADA5-DE00-C12F375E7367718>).

### Textbooks

All students, whether residents or nonresidents of Texas, will be required to procure such textbooks as are prescribed for the respective courses in which they are enrolled. All required textbooks may be purchased at the University Bookstore located in the Houston Harte University Center. The University Bookstore will in turn purchase these books from the students at the end of each term, depending upon the condition of the book and whether it is still on the required list.

### Payment Procedures

Student billing statements and payment due dates may be viewed electronically via RamPort (<http://RamPort.angelo.edu>) by selecting the Student Services Tab, Student Accounts Channel and View My Bill. Class schedules are not valid until the ASU Student Accounts Office has received payment of the current amount due including financial aid credit. Payment must reach the Student Accounts Office, or payment arrangements must be made, prior to the close of business on the due date. Failure to make payments by the due date will result in cancellation of the student's registration after the close of business on the due date. Students who are cancelled prior to the first class day for nonpayment must re-register for classes, and the original schedule is not guaranteed.

**Dropped/Late Registration Fee:** A late registration fee will be charged to registrations after the payment due date and for registrations dropped due to non-payment.

Students who incur incidental fees during the semester or who choose the payment option must pay the current due amount by the established due dates or they may be prohibited from registering for future terms until full payment is made. A student who is not 100 percent paid prior to the end of the term may 1) be dismissed from the university, 2) be withheld from future registration privileges, 3) not be issued of an official certified transcript, and 4) not be conferred their degree. The possibility of future financial aid will not hold the class schedule. Questions concerning the financial aid process may be directed to the Financial Aid Office at (325) 942-2245 or (800) 933-6299.

Students with an account balance of \$100 or more by the end of the semester in which it is due will have their account sent to a collection agency for collection. The student will be responsible for all additional fees associated with the collection of the amount due. These collection fees will be in addition to any late fee assessed to the account.

### Payment Options

A student may pay for tuition and mandatory fees for the fall and spring semesters by one of two methods: payment in full or payment in four installments. A student selecting the four payment installment plan that has made a payment or received a credit to their account may not be removed from the plan. However, the full amount due plus the applicable fee may be paid in full at any time. All available financial aid awarded to a student will be applied toward the full amount due to the university before the installment payments are scheduled. The installment option is not available for the summer semesters.

The installment plan consists of four payments of 25% of the tuition, fees, and room and board charges, if applicable. A fee for enrolling in the plan will be charged. Initial installments may also be due depending on the time of enrollment in the plan. Students making an installment payment after the due date will be assessed a late fee.

During the add/drop period, students adding courses on the installment program will be required to pay 25% of the full cost for the additional courses at the time the courses are added. Students dropping hours will pay installments on the basis of semester credit hours for which they are currently enrolled. Any refund will be applied toward the installment payments still due. Students officially withdrawing from the university must pay all tuition and fees owed at the time of withdrawal.

### Short Term Loans

Emergency loans in varying amounts are available to students on a limited basis with a minimal service charge assessed. A separate application is required for each term and the plan does not include balances due for housing, incidental fees or other institutional charges. Additional information regarding short term loans is available via (<http://www.angelo.edu/cstudent>).

### General Payment Information

Payment can be made as follows:

- **In person:** Students can pay in cash at the Student Accounts Office located in the Administration Building, Room 100 between 8am and 5pm Monday through Friday, or by personal check, money order, VISA, MasterCard, American Express or Discover Card. Checks should be made payable to Angelo State University. All payments made other than cash are subject to final acceptance for payment.
- **By mail:** Cash should not be sent through the mail and Angelo State University accepts no responsibility for cash sent by mail. Payments may be mailed to ASU Student Accounts Office, ASU Station #11046, and San Angelo, TX 76909.
- **By web – students:** Pay online at [webpay.angelo.edu](http://webpay.angelo.edu). VISA, MasterCard, American Express, Discover Card and e-check accepted.
- **By web – parents:** Students must login to web pay and select “Your Account” for more information on adding additional users. VISA, MasterCard, American Express, Discover Card and e-check accepted.

**Return Check Charge:** A fee will be assessed for each check or e-check returned from the bank unpaid. A return check or e-check for the initial payment of tuition and fees may result in cancellation of enrollment. Responsibility rests with the students regardless of the maker of the check.

# Tuition and Fees

## Refund Policy

**Change in class schedule.** Any refund as a result of a class change will be processed and distributed within 40 days after the drop period has ended for the semester or term. The class change refund amount will be in accordance with the following schedule:

**Fall or Spring Semester**

1st class day through 12th class day . . . . .	100%
After the 12th class day . . . . .	None

**Summer terms**

1st class day through 4th class day . . . . .	100%
After the 4th class day . . . . .	None

**Withdrawal from the university.** Withdrawal from the university is defined as leaving the university for the remainder of the semester and being officially removed from all classes. This includes students withdrawing from the university at their request or those who have been withdrawn due to university action. Students must contact the Registrar’s Office to complete the withdrawal process. Students who do not complete the withdrawal process by the appropriate deadline will be assigned a grade in each of their classes. Students officially withdrawing from the university may be eligible for a refund of tuition and fees according to the following schedule. (Class days indicated below is defined by the official university calendar, not the individual students’ calendar.)

**Fall, Spring, or Summer term of 10 weeks or longer**

Prior to the first class day . . . . .	100%
During the 1st through 5th class days . . . . .	80%
During the 6th through 10th class days . . . . .	70%
During the 11th through 15th class days . . . . .	50%
During the 16th through 20th class days . . . . .	25%
After the 20th class day . . . . .	None

**Term or session of five weeks but less than 10 weeks**

Prior to the first class day . . . . .	100%
During the 1st through 3rd class days . . . . .	80%
During the 4th through 6th class days . . . . .	50%
After the 6th class day . . . . .	None

**Term or session of five weeks or less**

Prior to the 1st class day . . . . .	100%
During the 1st class day . . . . .	80%
During the 2nd class day . . . . .	50%
After the 2nd class day . . . . .	None

Financial aid recipients who officially withdraw from the university and those who are determined to have unofficially withdrawn due to receiving “Fs” in all courses in which he/she was enrolled for the semester or term will be subject to the Federal Return of Title IV refund calculation. This calculation will determine the amount of awarded aid the student earned and the amount of awarded aid the student did not earn and must be returned to the aid program(s).

### Exemptions and Waivers

All exemptions and waivers have been authorized by statute in the Texas Education Code or through action of the Board of Regents of the Texas Tech University System. Angelo State University reserves the right, without notice in this or any other publication, to change, amend, add to, or alter any or all exemptions and waivers subject to and in accordance with actions of the Texas State Legislature and/or the Board of Regents.

A complete list of waivers and exemptions offered by Angelo State University can be found at (<http://www.angelo.edu/cstudent>). For additional information, contact the Student Accounts Office at (325)942-2008 or (877) 942-2008.



### Financial Aid

The philosophy of Angelo State University is based on the premise that deserving and capable students who wish to attend the University should not be deprived of this opportunity due to financial need. Angelo State University, through the Financial Aid Office, provides counseling and assistance to students experiencing financial difficulties. Assistance may be provided through scholarships, employment, loans, or a combination of these programs, depending on the student's needs. Scholarships (other than the Carr AFROTC Scholarships and departmental scholarships) are available through the Financial Aid Office.

### Graduate Scholarships and Assistantships

#### Carr Graduate Scholarships

Scholarships are awarded to qualified graduate students who enroll as degree-seeking students in any graduate program of the University. A student may be funded for only one master's degree at Angelo State University. Scholarships are awarded to both full and part-time students, with the amount of the award dependent upon the number of semester credit hours taken. Please refer to the Angelo State University website for current Carr Graduate Scholarship funding levels.

Applicants for Carr Graduate Scholarships will be notified in writing regarding the status of their applications. The decisions on scholarship awards are final and are not subject to appeal.

Academic Carr Scholarships in excess of \$1,000 for the academic year awarded to out-of-state and international students will normally qualify such students for the tuition and fees required of Texas residents.

#### Student Research Scholarships

Student Research Scholarships are awarded on a competitive basis to undergraduate or graduate students who are invited to submit a research proposal by a qualified faculty member. Students who are funded are expected to make a major commitment of time and effort to complete a research project. The program is an academic year program (fall and spring semesters); time extensions will not be granted. Applicants who are awarded Student Research Scholarships must be enrolled as full-time students in good standing. Undergraduate applicants must have completed at least 72 semester credit hours (SCH) at the time of application including at least 6 upper level SCH in the field of the proposed research and must have a cumulative grade point average of at least 3.00. Graduate applicants must have at least a 3.50 grade point average in any graduate work completed at Angelo State University. In addition, graduate applicants must have a cumulative grade point average of at least 3.00 on the last 30 semester credit hours of undergraduate work and must have been granted regular admission to the ASU College of Graduate Studies.

Undergraduate recipients of the scholarship receive a \$2,000 stipend and a \$300 allowance for research-related expenses. Graduate recipients receive a \$3,000 stipend and a \$500 allowance for research-related expenses. Students interested in applying for the Student Research Scholarship must obtain the guidelines and application materials from the faculty member who will be the supervisor of the research project.



### Teaching, Research, and Graduate Assistantships

Angelo State University offers three types of appointments for graduate students: (1) fixed term appointments for a semester or summer session for teaching assistants who have responsibility for lecture classes, individual instruction, and/or laboratory sections for which academic credit is awarded, (2) student employment appointments without fixed term as graduate assistants who have responsibility for a wide range of duties designed to support the undergraduate instructional/co-curricular program, and (3) student employment appointments without fixed term as graduate research assistants employed to support the research mission. All graduate students who are awarded teaching assistantships, graduate assistantships, or graduate research assistantships must be regular graduate degree or graduate certification students and must be enrolled in graduate course work during the term of appointment.

The teaching assistant may have the responsibility for lecture classes, physical activity classes, individual instruction, or laboratory sections. In addition to pursuing full-time graduate studies, the teaching assistant will normally have responsibility equivalent to one-half or one-quarter of a full-time teaching load. The graduate assistant's responsibilities include a wide range of duties designed to support the undergraduate instructional program, including grading, clerical functions, store keeping, preparation of class or laboratory material, or other subordinate functions under a supervising faculty member. Graduate research assistants have the major function of assisting faculty with scholarly activities and research projects. The graduate or graduate research assistant's work load will be on an hourly basis, and the number of hours which the graduate or graduate research assistant works each week must be approved by the department chair and reported on the monthly time record. The average work load assigned by the department chair shall not exceed 17.5 hours of work per week during any monthly pay period.

The teaching, graduate, or research assistant is required to enroll for six semester credit hours each long semester. With the approval of the supervising faculty or staff member and department chair, the teaching, graduate, or graduate research assistant may enroll in a maximum of nine semester credit hours each long semester. The teaching, graduate, or graduate research assistant holding an appointment in the summer is required to enroll for a minimum of three semester credit hours in either two summer term.

Inquiries regarding Teaching Assistantships, Graduate Assistantships, or Research Assistantships including questions concerning application procedures, eligibility, or assignments, should be directed to the office of the Dean of the College of Graduate Studies, Room 109 of the Sol Mayer Administration Building, telephone number (325) 942-2169.



# Financial Aid

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## Types of Financial Aid

### **Scholarships** ([www.angelo.edu/services/financial\\_aid/scholarships/index.html](http://www.angelo.edu/services/financial_aid/scholarships/index.html))

Scholarships do not have to be repaid, and you can have more than one at a time. Generally, scholarships are awarded to students who meet special qualifications, often determined by academic or athletic success or artistic talent. Scholarships are also given to students who are part of an underrepresented group, while others are offered based on students' academic area of study.

### **Employment** ([www.angelo.edu/services/financial\\_aid/employment.html](http://www.angelo.edu/services/financial_aid/employment.html))

Federal and state work-study jobs are awarded to students with documented financial need. On-campus employment options are also available for students who are not eligible for work-study.

**Veterans Affairs** The Veterans' Affairs Office is here to help veterans and their dependent spouses be successful in their pursuit of higher education. To that end, the university works in cooperation with the U.S. Department of Veterans Affairs (VA) and the Texas Veterans Commission.

In addition to helping veterans secure [financial aid](#), our office helps veterans obtain [tutoring assistance](#). Angelo State University was designated in 2010 as one of the nation's "Military Friendly Schools" by *G.I. Jobs* magazine.

New and transfer veteran and dependent students may apply for benefits in the Veterans Affairs Office in Room 100 of the Hardeman Building.

Please visit our website at: (<http://www.angelo.edu/dept/veterans/index.html>) for information on the following programs.

- Chapter 30: Montgomery GI Bill - Active Duty Educational Assistance Program (new)
- Chapter 31: Vocational Rehabilitation
- Chapter 33: Post-9/11 Veterans Educational Assistance Act of 2008
- Chapter 34/30: Vietnam Era Veterans Educational Assistance Program (old)
- Chapter 35: Dependent's Educational Assistance Program
- Chapter 1606: Montgomery GI Bill - Selected Reserve Educational Assistance Program
- Chapter 1607: Reserve Educational Assistance Program (REAP)

### **Loans** ([www.angelo.edu/services/financial\\_aid/long\\_term\\_loans/index.html](http://www.angelo.edu/services/financial_aid/long_term_loans/index.html))

Loans must be repaid with interest. The long-term types available include student loans, such as the Federal Stafford or Federal Perkins loans, parent loans, such as Federal PLUS loans, and private student loans, also known as alternative educational loans. Emergency short-term loans are also available.

## Applying for Financial Aid

Information, instructions, and forms may be obtained by contacting the Financial Aid Office or by visiting the financial aid section of the ASU website at ([www.angelo.edu](http://www.angelo.edu)). Approval for admission or readmission to the university must be secured as a regular student and the evaluation of any transfer hours from the Admissions Office or the College of Graduate Studies to complete the application process.

Students requesting financial aid must have their eligibility determined each year. Aid can be awarded to students who continue to demonstrate a financial need for assistance and who remain in good standing and are making satisfactory progress in accordance with the Angelo State University Satisfactory Academic Progress Policy. ([www.angelo.edu/services/financial\\_aid/documents/FAsap.pdf](http://www.angelo.edu/services/financial_aid/documents/FAsap.pdf))

Students are strongly encouraged to review the terms and conditions of financial aid and to direct questions to the Financial Aid Office concerning eligibility criteria, terms, rights, privileges, cost of attendance, refund policy for aid recipients, method of financial aid payment, and information handbooks are available upon request.

### Satisfactory Academic Progress (SAP) Policy

The Higher Education Act of 1965, as amended, mandates institutions of higher education to establish policies to monitor the academic progress of students who apply for and/or receive federal financial aid. Angelo State University (ASU) makes its minimum standards applicable to all federal, state, and institutional financial aid programs for the purpose of maintaining a consistent policy for all financial aid applicants.

Though this policy establishes the minimum standards for all financial aid programs at ASU, individual aid programs may have unique qualitative and/or quantitative standards specific to the program as mandated by law or the program's governing entity. Such programs include, but are not limited to, the TEXAS Grant Program, The Texas B-On-Time Loan Program, and the Carr Scholarship Program. Information concerning the minimum standards of such programs is available in the Financial Aid Office. ([www.angelo.edu/services/financial\\_aid/documents/FAsap.pdf](http://www.angelo.edu/services/financial_aid/documents/FAsap.pdf))



# Academic Guidelines and Graduate Studies Policies

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## Academic Guidelines

### The Graduate Degree Plan

All graduate students working toward master's degrees must complete degree plans prior to their second registration.

For any degree plan, the student must confer with and receive approval from the program advisor of the major department and the Dean of the College of Graduate Studies. Senior graduate students developing an integrated plan for majoring in one department for the bachelor's degree and another for the master's must receive approval from the chairs of both departments and the Dean of the College of Graduate Studies.

After a student has had the degree plan approved, any changes must be approved by the relevant departmental graduate program advisor and the Dean of the College of Graduate Studies. Such approvals must be obtained before the student enrolls in any course for which a modification is sought.

### General Information

**Semester Credit Hour.** The semester credit hour (SCH) is the basic unit of credit. As a rule, one semester credit hour of academic credit is given for each lecture class hour per week for a fifteen week semester. In laboratory or studio situations, one semester credit hour normally is given for two to five contact hours per week for a fifteen week semester. During eight-week terms and summer sessions, the student earns semester credit hours for class contact hours which are essentially equivalent in number to those provided in the long semesters. Where semester hour is used in this Catalog, it is synonymous with semester credit hour (SCH).

### Academic Status

#### I. Good Standing

A graduate student with regular status is academically in good standing if his or her grade point average for all graduate work completed at Angelo State University is at least 3.00.

#### II. Probation

When a regular status graduate student's grade point average drops below a 3.00, the student is placed on academic probation. A graduate student who is granted Provisional Admission is considered to be on academic probation until the provisions under which the student was admitted are satisfied. A thesis student who receives an "NP" grade is placed on probation.

#### III. Dismissal

A regular status student whose grade point average is 2.00 or lower may be dismissed from the College of Graduate Studies. A student on probation, as defined above, may be dismissed from the College of Graduate Studies if the student's grade point average is below a 3.00 during the probationary period, drops below a 3.00 in any subsequent semester, or if a second "NP" grade is received. A student whose performance is unsatisfactory on both the first and second administration of his or her Comprehensive Examination will be dismissed from the College of Graduate Studies. A student in the Doctor of Physical Therapy program will be dismissed if so recommended by the Physical Therapy Academic Committee.

### Academic Honesty

The University expects all students to engage in all academic pursuits in a manner that is beyond reproach. Students will be expected to maintain complete honesty and integrity in their experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work is subject to disciplinary action.

Procedures for discipline due to academic dishonesty have been adopted by the Board of Regents and are published in the University's Student Handbook.

# Academic Guidelines and Graduate Studies Policies

## College of Graduate Studies Enrollment Policy

### I. Maximum Course Loads

- A. Graduate students, except those in the Doctor of Physical Therapy program, may enroll for a maximum of 12 semester credit hours of graduate-level work in any long semester. Graduate students who are not on probation and who have at least a 3.50 grade point average on all graduate work they have attempted at Angelo State University may, with the written permission of the Dean of the College of Graduate Studies, register for a maximum of 15 semester credit hours of graduate-level work in the semester in which they are graduating.
- B. Graduate students may enroll for up to seven semester credit hours of graduate work each summer term, with the exception of Physical Therapy. The total load for the entire summer session shall not exceed 14 semester credit hours of graduate work except that 15 semester credit hours may, with the prior written approval of the Dean of the College of Graduate Studies, be allowed for the student who is graduating.
- C. A graduate, teaching, or research assistant who works one-half time or less for the University may, with the approval of the supervising faculty member and department chair, register for a maximum load of nine semester credit hours of graduate work per semester. An assistant who works one-quarter time or less may, with the approval of the supervising faculty member and department chair, enroll for a maximum of 12 semester credit hours of graduate courses. Assistants who work half-time are required to enroll for a minimum of six semester credit hours per semester except in their last semester prior to graduation, and those who work one-quarter time are required to enroll for a minimum of nine semester credit hours per semester except in their last semester prior to graduation. Both summer sessions are considered one semester.
- D. Penalty for Excessive Course Load. Any student who registers for more semester credit hours than are allowed by this policy during any semester or summer term shall be required to drop the excess course load at such time as the student course loads are audited by the University.

### II. Full-Time Student

- A. A graduate student shall be considered on full-time status if:
  - the student is enrolled for a minimum of nine semester credit hours of graduate course work in a long semester or a minimum of six semester credit hours distributed in any way across the two summer terms; or
  - the student has a Graduate, Research, or Teaching Assistantship and is enrolled for a minimum of six semester credit hours of graduate course work in a long semester or a minimum of three semester credit hours distributed in any way across the two summer terms; or
  - the student is working full time on a thesis and is enrolled in either 6399 or 6699.

## Dropping a Course

Registration for a course makes the student responsible for attending that course until the course is completed or until the student officially withdraws from the course. To drop a course, obtain a drop slip signed by the instructor of the course from the instructor. Turn in the completed drop slip to the Registrar's office. The student who fails to officially drop a course will receive a grade of "F" in the course.

## Withdrawal from the University

An application for withdrawal from the University must be initiated in the Registrar's Office. Refer to the University calendar to determine the last day on which a student may withdraw from the University. See University Calendar on web at ([www.angelo.edu](http://www.angelo.edu)).

A student is not officially withdrawn until the withdrawal form has been completed, the approval of each of the appropriate University offices has been received, and the form has been returned for approval to the Registrar's Office. The student who fails to withdraw officially will receive a grade of "F" in all courses in progress.

# **Academic Guidelines and Graduate Studies Policies**

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## **Residence Requirement**

At least 24 semester credit hours of graduate-level work on a master's degree plan that requires 30 semester credit hours must be done at Angelo State University. At least 27 semester credit hours of graduate-level work on a master's degree plan that requires more than 30 semester credit hours must be done at Angelo State University.

## **Name Change**

A valid social security card only substantiates a legal name change for a student. A name change form and social security card must be submitted to the Office of the Registrar prior to the student's next registration. Registration under a name different from that used in the student's last enrollment cannot be accomplished without the above certification, which becomes a part of the student's permanent file. All grade reports and transcripts are issued under the student's legal name as recorded in the Office of the Registrar.

## **Transfer Credit**

A maximum of six semester credit hours of graduate course work may be transferred into a program that requires 30 semester hours, into any Master of Education (M.Ed.) program, into the Master of Arts (M.A.) in Curriculum and Instruction program, and into the M.A. in Communication program. For all other programs, no more than nine semester credit hours of graduate course work completed in a regionally accredited institution may be transferred. Official transcripts showing the successful completion of the courses petitioned to be transferred must be on file in the Graduate Office. No graduate work for which the student received a grade lower than "B" will be accepted for transfer credit. No graduate work which was part of a degree awarded at another institution will be accepted for transfer credit. All transferred course work must have been completed no more than six years prior to the awarding of the master's degree at Angelo State University. Approved transfer credit will be awarded after the student has successfully completed one semester or term of graduate enrollment. No course may be transferred that satisfied a degree requirement at another university.

Students in the Master of Business Administration (M.B.A.) and Master of Professional Accountancy (M.PAc.) degree programs must adhere to the transfer policies of the College of Business that are in addition to the policies stated above.

Up to nine semester credit hours of graduate credit completed prior to the date of first admission to the M.B.A. or M.PAc. degree program at Angelo State University may be transferred into the program. After the date of first admission to the M.B.A. or M.PAc. program, six semester hours may be transferred into the program only to fulfill elective requirements. The maximum total transfer credit is nine semester credit hours.

All M.B.A. or M.PAc. students are required to take the Major Field Test (MFT) on the ASU campus as a graduation requirement. The MFT will normally be taken as part of the course requirements in Management 6313 Corporate Strategies and Policies.

It is the student's responsibility to 1) check with the Graduate Office that the official transcript of the course(s) requested for transfer is on file, 2) submit an Application for Approval of Graduate Transfer Credit to the academic advisor with a copy of each course syllabus attached and 3) receive approval from the Graduate Dean.

## **Credit for Experience or for Correspondence and Extension Courses**

Angelo State University does not allow the transfer or use of graduate credit earned by experience or by correspondence or extension courses to apply toward a master's degree.

# **Academic Guidelines and Graduate Studies Policies**

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## **Numbering of Courses**

Graduate courses are numbered 5000-7999. The graduate student enrolled in a 5000-level course that meets concurrently with a senior level undergraduate course will be expected to complete additional requirements beyond those expected of undergraduates in the same course. A graduate student may take no more than two 5000-level courses to satisfy degree requirements.

## **Time Limit**

All work (including thesis if required or elected and any transfer credits) must be completed within a period of six years from the date of the earliest credit to be counted on the degree. Under certain circumstances, a time extension of up to four years may be granted on a course by course basis. Time extensions are never granted for transfer course work.

If a time extension for one or more courses is desired, a written application must be presented to the Dean of the College of Graduate Studies. It must explain (1) why the degree was not completed in a timely manner, (2) a schedule for completing the program, and (3) information indicating that the student's knowledge of the subject matter in each course for which an extension is requested remains current.

Time extensions are not routine. Courses taken more than 10 years before graduation are almost never allowed to be used toward the master's degree. Additional courses are frequently assigned to the student who has not completed the degree within the six-year time limit.

## **Advisory Committee**

Students who write a thesis or students whose programs require an oral comprehensive examination must have an Advisory Committee appointed. The Advisory Committee for thesis students should be constituted no later than the first semester in which the student registers for thesis credit.

The Advisory Committee for students who do not write a thesis but have a required oral exam must be constituted no later than the semester in which the oral exam is to be administered. The Advisory Committee will consist of at least four members; at least two members from the department in which the student is majoring; one member of the department, if there is one, in which the student is taking supporting electives; and one College of Graduate Studies representative appointed by the Dean of the College of Graduate Studies. A minimum of three members of the Advisory Committee must be members of the graduate faculty.

## **The Thesis**

Each student enrolling in a thesis course for the first time may download from the College of Graduate Studies website a copy of the "Thesis Manual" which sets forth the general requirements of style and form of the thesis. Students must register for the thesis under the number 6399 (where it exists) or 6699 in the department in which the research is being conducted.

However, in the semester in which the student graduates, either the student must register for thesis under the 6699 number or if registered under the 6399 number, must have registered in some previous semester for 6399.

Students must be enrolled in graduate course work during every regular semester from the beginning of the first thesis registration until graduation. If the student utilizes any University personnel or facilities in working on the thesis during the summer session(s), he or she must also be registered at those times.

## Academic Guidelines and Graduate Studies Policies

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A grade of “PR” (satisfactory progress) or “NP” (unsatisfactory progress) will be given during each term in which the student is enrolled in thesis but does not complete the project. A student who receives an “NP” grade will be placed on probation and will not be eligible for financial aid. A final grade of “B” or better is required on the completed thesis; a lower grade indicates that the thesis is not acceptable. Credit for the thesis course work is limited to six semester hours regardless of repeated registrations.

When a Candidate and the Chairman of the Advisory Committee have agreed upon a subject of investigation, the student will prepare a thesis proposal which will specify the topic, state the purpose of the investigation, describe the method of investigation, and relate the study to relevant research.

After the Advisory Committee has approved the proposal, the candidate must submit it for final approval to the Dean of the College of Graduate Studies. The thesis proposal must be submitted no later than one year after the first enrollment in thesis or in the 12th credit hour of enrollment in thesis, whichever occurs first, or a grade of “NP” will be assigned in the thesis course. Data collection should not be started until the thesis proposal has received final approval. Any subsequent changes in the research project must be approved in writing by the Advisory Committee and the Dean of the College of Graduate Studies.

The thesis in final form, successfully defended and signed by each member of the Advisory Committee, must be submitted for approval to the Dean of the College of Graduate Studies no later than three weeks before the end of the semester of degree completion.



# Academic Guidelines and Graduate Studies Policies

## System of Grading

A grade point average of 3.00 or better on all graduate work completed on this campus is required for graduation. No course with a grade below "C" may be applied toward a master's degree. Graduate students should note that a grade of "I" not removed within one year automatically becomes an "F".

At the end of each semester and summer term final grades are available to all students via the RamPort Web system.

The following grades are used with the grade point value per semester credit hour.

<b>Grade Marks</b>	<b>Grade Meaning</b>	<b>Quality Grade Points *</b>
A	Excellent	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
I	Incomplete	not counted
P	Pass	not counted
W	Withdrew	not counted
QW	Withdrew - TEC 51.907	not counted
AU	Audit	not counted
CR	Credit	not counted
NC	No Credit	not counted
NP	No Progress on Thesis	not counted
PR	Progress on Thesis	not counted

1. The grade "I" is given when the student is unable to complete the course because of illness or personal misfortune. A graduate student will be allowed up to one year to remove a grade of "I" before it automatically becomes an "F". To graduate from ASU, a student must complete all "I"'s.
2. The grade "PR" is given only to a student registered in Thesis 6399 or 6699 who, during the semester, makes satisfactory progress, but does not complete the thesis project.
3. The grade "NP" is given only to a student registered in Thesis 6399 or 6699 who, during the semester, does not make satisfactory progress on the thesis.
4. To determine the grade point average, the total number of quality hours is divided into the total number of quality points received.
5. Quality hours are defined as hours for which a student registers and receives a grade of either "A", "B", "C", "D", or "F".
6. A course may be repeated without accumulating additional quality hours. For example, a student who receives a grade of "F", or "D" in a course and then repeats the course and receives a grade of "C" will have three quality hours and six quality points awarded. However, a course may not be repeated which is part of a degree that has already been conferred.
7. The grade of "CR" is assigned only for credit earned by examination for a course in which the student does not actually enroll.
8. The grade of "P" is assigned only to courses designated in the *Catalog* as Pass/Fail courses.
9. The grade of "D" is not given in graduate courses.

A student earns quality (grade) points on the basis of the last grade (except for "AU", "CR", "I", "NC", "NP", "P", "W", or "PR") received in a course at ASU. Additional credit for a repeated course may not be awarded except as provided specifically in the course description.

\* NOTE: The student should be advised that many professional schools and Texas graduate schools compute the cumulative grade point average by including all courses taken, including those with repeated grades.

# Academic Guidelines and Graduate Studies Policies

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## Grade Grievance

### I. Grade Grievances

The assignment of a grade in a course is the responsibility of the faculty member and is based on the professional judgment of the faculty member. Except for issues of computation, discrimination, equal treatment, or reasonable accommodation when a documented student need is present in accordance with the Americans with Disabilities Act of 1990 (ADA) guidelines, the faculty member's grade determination is final.

### II. Initiating a Grievance with Faculty Member

Students having a grievance concerning a grade in a course of study should make every attempt to resolve the issue with the faculty member who has assigned the grade. Faculty members should attend to the concerns of the student, discuss, and if appropriate, negotiate resolution of the grade assigned to the student.

### III. Appeal to the Department Chair

- A. Should a student be unable to resolve the grievance with the faculty member (either because no resolution was reached with the faculty member or because the faculty member is on leave or not returning to the university), the student may appeal to the department chair.
- B. If the faculty member in question is the department chair, the student should request that the dean of the college appoint a faculty committee to review the grievance.
- C. If the faculty member in question is the dean of the college, the department chair will still be the second level of appeal. If the dean is also the department chair, the student may request the provost and vice president for academic affairs to appoint a faculty committee to review the grievance.
- D. The student must present a written statement and provide compelling evidence (examinations, papers, etc.) that demonstrate why the grade should be changed. If evidence is not available, the student should explain that in the written statement.
- E. This written grievance must be presented no later than 30 days from beginning of the next semester following the semester or term when the grade was assigned as long as the faculty member assigning the grade is on campus that semester or summer term.
- F. If the faculty member assigning the grade is not on campus that following semester or term but will be teaching on campus within the next three months, the complaint may wait until 30 days into the first semester the faculty member returns to campus.
- G. The department chair (or a committee appointed by the department chair or dean) will review the grievance and present a written decision to the student and the faculty member within 45 days of the beginning of the semester.
- H. Either the faculty member or the student may appeal the decision rendered at this level.

### IV. Appeal to the College

- A. If the student or the faculty member wishes to pursue the grievance further, the student (or faculty member) must present the written request to the dean of the college in which the course is taught within 30 days of the departmental decision. This procedure is to be followed even if the dean of the college is the faculty member in question.
- B. The dean will appoint an ad hoc grievance committee from the college to review the case. If the dean of the college is the faculty member in question, one of the deans from the other colleges of the university will appoint a faculty committee (consisting of tenured faculty) from the college in which the course is taught to serve as the ad hoc committee. One member of the ad hoc committee will be from the department where the disputed grade originated.
- C. The committee will be provided the student's written statement and evidence as well as the written report of the department chair and faculty member.
- D. The committee may conduct a hearing where the student and the faculty member may present information about the grievance.
- E. The committee will issue a written decision on the grievance to the dean of the college with copies to the student and faculty member.
- F. The decision of the committee is final, and there is no further appeal through university channels.

# Academic Guidelines and Graduate Studies Policies

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## Class Attendance

Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is expected, and the university reserves the right to deal at any time with individual cases of non-attendance. An accurate record of attendance for each student must be maintained by the instructor.

In those classes where grades are affected by attendance, information to this effect must be provided in writing at the beginning of each semester. Students have a responsibility of being aware of special attendance regulations where written policies have been distributed to the class by the instructor at the beginning of the semester.

There may be a valid reason for a student's absence from class, such as illness, family emergency, or participation in an authorized university activity, and the instructor should exercise good judgment in determining if there is justification for allowing a student to make up work missed. In classes where students are absent for good cause and the instructor administers a pop test or a daily class assignment, the instructor may choose to allow the student to drop that grade(s) rather than make up the pop test or daily class assignment.

However, by written notice, instructors may place reasonable limitations upon the number and types of assignments and examinations that may be made up or dropped by students for any cause. Also, the manner in which make-up work is administered is to be determined by the instructor.

If a dispute arises between an instructor and a student over absences which cannot be resolved, the student should discuss the problem with the instructor. If the issue cannot be satisfactorily resolved, the student may appeal to the instructor's department chair, academic dean, provost and vice president for academic affairs, and ultimately to the president of the university.

## Schedule Changes

The process of adding and dropping a course is initiated in the Registrar's Office.

**Adding Courses.** Prior to the beginning of the semester and during the first four days of a Fall or Spring semester (or the first two days of a Summer session), students may add classes using the online self-service registration system, RAMS (web). Students who need assistance with this process may come to the Office of the Registrar.

**Dropping Courses.** Courses may be dropped during the registration period and no grade will be assigned. Such courses will not be listed on the student's permanent record. A student withdrawing from a course after the registration period, but prior to the deadline published in the university calendar, will receive a "W" grade in the course. A student dropping a course after the specified deadline will receive a "F". Ceasing to attend class does not constitute a formal course drop, and failure to drop a course properly will result in a failing grade in the course.

## Separation from the University

All students separated from the University after the official census date for disciplinary reasons will be awarded a grade of "W" for each class in which they are enrolled at the time the disciplinary action is taken.

## Comprehensive Examination

Candidates for all master's degrees must successfully complete a comprehensive experience covering work within the candidate's program. The type of experience varies by program, but may take the form of required course work, portfolios, written and/or oral exams. The candidate's Advisory Committee will administer any oral examination. Any written examination, written portion of the examination, or electronic portfolio will be administered by the major department which may request questions from any department(s) in which the candidate has taken supporting electives.

The policies and procedures for the comprehensive examination are available in the office of the department chair of the student's major field of study. Students should review the requirements for the exam early in their degree program.

## **Academic Guidelines and Graduate Studies Policies**

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The major department may, at its discretion, decide before or after evaluating the student's answers on the written portion to administer a follow-up oral portion of the examination during the same semester as the written examination. In this case, the written and oral portions will both be administered by the major department and will be deemed to be one examination.

The type of comprehensive experience must be predetermined and the candidate so notified. An oral examination will be open to members of the graduate faculty, but it will be conducted by the candidate's advisory committee. All course work for the degree except those courses in progress in the semester when the degree is to be awarded must normally be completed prior to the comprehensive examination. All courses with a grade of "I" must normally be completed before the comprehensive examination is scheduled.

The oral or written comprehensive examination must be scheduled no later than four weeks before the candidate's degree is to be conferred and passed no later than three weeks prior to that date. A student will not be permitted to take the comprehensive examination unless he or she is in good academic standing. A candidate who fails the comprehensive examination may, upon petition to the advisory committee in the case of an oral examination or to the departmental faculty in the case of a written examination, be allowed to take another examination no sooner than the next semester or summer session. (The two summer terms comprise one summer session.)

All of the above regulations also apply to the second examination. Any student who fails the second comprehensive examination will be dismissed from that graduate program.

### **Application for Graduation**

In the term in which the student expects to complete all degree requirements, the student should apply for graduation during the registration process for that term. If the student is not enrolling for course work during the term he or she expects to graduate, the graduation application form can be obtained on-line. Students anticipating graduation in a given term should apply for graduation prior to a published date which is early in that semester. If the student is not able to complete degree requirements at the end of that period, the application form must be resubmitted in the term in which graduation is again anticipated. No degree will be conferred unless the Application for Graduation has been filed. ([www.angelo.edu/forms/cgi/graduate.html](http://www.angelo.edu/forms/cgi/graduate.html)).

### **Graduation Exercises**

Angelo State University has graduation exercises at the end of the fall semester (in December) and at the end of the spring semester (in May).

Each candidate for graduation must be present at the graduation ceremony unless the Office of the Registrar has approved the candidate's written application for permission to be graduated in absentia. Information about commencement may be found at: ([www.angelo.edu/commencement/](http://www.angelo.edu/commencement/)).

### **Graduation Under a Particular Catalog**

The University reserves the right to modify the curricula or withdraw any courses when it appears wise to do so. The policies and procedures in this Catalog are currently in effect; however, the University reserves the right to make changes or modifications for good cause.

To receive a degree from Angelo State University, a student must fulfill all requirements for the degree as set forth in a particular University Catalog as amended. Several choices are allowed: (1) Graduation may be under the requirements of the current University Catalog. (2) Graduation may be under the Catalog of the year in force when the student first registered at Angelo State University or when the student registered at an accredited Texas community college prior to transferring to Angelo State University. (3) Graduation may be under the requirements of the Catalog for any subsequent year in which the student was registered at Angelo State University or when the student was registered at another Texas public institution of higher education prior to transferring to Angelo State University. Each of these provisions is subject to the limitation that all requirements for a degree from Angelo State University must be completed within six years from the date of the Catalog selected. For example, a student who chooses to graduate under the requirements of the 2005-2007 University Catalog must complete all requirements for the degree under that Catalog prior to August

## **Academic Guidelines and Graduate Studies Policies**

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2011. Otherwise, a later Catalog must be selected. However, when a student is enrolled at Angelo State University during the second academic year included in a two-year Catalog, the six-year limit extends from the beginning of the second academic year of the Catalog.

Students may be able to graduate under a specific Catalog and degree plan but may not be able to meet certification requirements that have been mandated by the State Board for Educator Certification. Students should consult with Department Chairs and the College of Education to determine the latest certification requirements.

### **Second Master's Degree**

A student who holds one master's degree from this University may receive a second master's degree by fulfilling the following requirements:

- The student must receive regular status admission for the second degree program.
- The second degree must be different from the first degree and/or the second major field of study must be different from the first major field of study.
- All requirements for the second master's degree must be completed, with no more than nine graduate (6000 level) semester credit hours from the first master's degree allowed to apply toward a 30 semester hour second master's degree, or 12 graduate (6000 level) semester hours allowed to apply toward a second master's degree with more than 30 credits.

A student who holds a master's degree from another university and desires to receive a master's degree from this University must fulfill all degree requirements applicable to a student working toward a first master's degree at this University. No semester credit hours from any degree earned from another university may be allowed to apply toward a master's degree at Angelo State University.

# Academic Guidelines and Graduate Studies Policies

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## General Master Degree Requirements

In partial fulfillment of the requirements for all master's degrees, the graduate student must complete the following general requirements.

- I. The student must complete a minimum of 30 to 48 semester credit hours of graduate work depending upon the degree being sought. In each degree program, the student must earn a 3.00, or better, grade point average overall and in the major field and in all course work taken at Angelo State University. In programs requiring course work outside the major field, the student must earn a 3.00, or better, grade point average in each of these areas. Grades lower than "C" will not apply toward any degree. The student may apply the following toward the degree:
  - A. A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan.\*
  - B. A maximum of six semester credit hours of transfer work in a 30-hour program with no grade lower than a "B", and a maximum of nine semester credit hours of transfer work in a program of more than 30 hours with no grade lower than a "B".\*\*
  - C. No courses taken by correspondence or extension.
  - D. No more than nine semester credit hours taken while in non-degree status (except Curriculum and Instruction teacher certification certificate status).
- II. Candidates for all degrees must successfully complete a comprehensive experience covering work within the candidate's program. The type of experience varies by program, but may take the form of required course work, portfolios, and written and/or oral exams.
- III. Angelo State University does not award graduate credit for non-academic experiences nor allow the use of experiential training toward a master's degree.

## Doctor of Physical Therapy Degree Requirements

In partial fulfillment of the requirements for the doctor's degree, the graduate student must complete the following general requirements:

- I. The student must complete a minimum of 99 semester credit hours (7000-level work) for the Doctor of Physical Therapy degree. No courses taken by correspondence or extension may be used to satisfy this requirement. The student must earn a 3.00, or better, grade point average overall and meet mastery in all course work.
- II. Candidates for the Doctor of Physical Therapy degree must successfully complete a comprehensive experience covering work within the candidate's program. The type of experience varies by program, but may take the form of required course work, portfolios, and written and/or oral exams.
- III. Angelo State University does not award graduate credit for non-academic experiences nor allow the use of experiential training toward the Doctor of Physical Therapy degree.

In addition to the general degree requirements, the graduate student must complete additional requirements for the designated degree program.

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\* Students are permitted a maximum of 12 semester credit hours of 5000-level supporting electives if they are taken in chemistry.

\*\* All M.Ed. programs, the M.A. in Curriculum and Instruction, and the M.A. in Communication may apply a maximum of six semester credit hours of transfer work.

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# University Facilities and Services

## Career Development

**Career Exploration.** Many students are undecided about a career direction or even a specific academic major. In addition, some who are satisfied with their academic plans may be uncertain how their academic interests relate specifically to employment opportunities after graduation. Career Development provides several services to address the needs of these individuals, including: career counseling, the administration and interpretation of various career inventories, occupation information, assistance researching career fields, and academic planning for employment.

**Part-Time Employment.** Part-time employment can be an important part of the total education experience. A part-time job listing service is maintained in Career Development as a means to assist students in securing employment on campus or within businesses in the area. A variety of jobs are available to Angelo State University students and can be accessed through Career Development web site: (<http://www.angelo.edu/career>). But please be aware studies indicate that grades begin to suffer when students don't limit the number of hours worked to less than 20 per week.

**Job Search.** Career Development offers career assistance to ASU students and alumni. It assists students seeking internships, graduating seniors looking for entry-level positions and alumni looking for new or different career possibilities. Students and alumni are brought together with employers in a variety of ways, including job fairs, on-campus recruiting, and job posting.

Many resources can be accessed through the Career Development website ([www.angelo.edu/career](http://www.angelo.edu/career)). And, the Career Development library contains additional information on various majors, directories of employer information, books on the job search process, and directories of graduate and professional school programs. Most books are available for check out.

For more information or to schedule an appointment, contact Career Development at (325) 942-2255 or come by the office located in the Houston Harte University Center, Room 107.

## Information Technology

Angelo State University is committed to providing students access to technology and electronic resources needed to enhance the teaching and learning environment. Web access to technology services allows students to register for classes, check grades, and pay tuition. The online learning management system enables students to submit assignments, take tests, check grades and interact with fellow classmates and their faculty member anytime, anywhere. The campus-wide mobile friendly wireless network allows you to connect with your laptop, tablet or smartphone to check e-mail, class schedules, and campus news as well as sporting event information and scores. Students can tour the campus, meet the President, review the University calendar and current course offerings, submit applications, read the RAM Page (school newspaper), browse the library's holdings and access full text documents and articles from any location in the world using Angelo State University's web services.

Angelo State University utilizes a state-of-the-art network infrastructure to provide electronic access to information and to enhance the learning environment for the ASU Community. For on-campus residents, all of the on-campus residence halls have high-speed connections to the ASU network in the resident's room. Wireless connectivity is also available in all buildings on campus including residence halls. As part of the university's commitment to incorporating technology into the classroom, there are over 600 computers located in computer labs around campus available for student and instructional use as well as 85% of university classrooms equipped with multimedia equipment. The Library Learning Commons provides 24-hour access to a technology rich and mobile friendly environment which includes large flat panel displays to which students can connect laptops and other devices; digital senders to scan and send documents to students' e-mail accounts; laptop computers for checkout; enhanced wireless connectivity; and traditional personal computers and scanners. Electrical outlets are conveniently located throughout the Library Learning Commons for students to utilize and recharge digital devices. If you have a problem or question about technology services, a 24-hour technology help desk is available to all students (on-campus and off-campus) to assist with technology questions and requests.

## University Facilities and Services

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### Multicultural Center

The Multicultural Center works to encourage an inclusive and supportive environment for all members of the ASU community by promoting awareness and understanding of different cultures, people, ideas, and perspectives. Diversity education, leadership, and quality programs are provided to encourage appreciation and celebration of differences.

Created in the fall of 2008, the Multicultural Center is under the direction of the Office of Multicultural Initiatives. The center sponsors and provides support for programs focusing on recruitment, retention and graduation of first generation and under-represented students, as well as supporting diversity and multicultural initiatives. Located in the University Center Room 114, the Multicultural Center is a central location where students can discover information describing programs available to them, as well as enjoy the mix of cultures and people passing through the door. For more information contact the Multicultural Center at (325) 942-2729, [multicultural@angelo.edu](mailto:multicultural@angelo.edu), or visit the website at ([www.angelo.edu/dept/multicultural\\_center/](http://www.angelo.edu/dept/multicultural_center/)).



### Porter Henderson Library

The Porter Henderson Library at Angelo State University possesses an array of facilities to support the various degree programs offered by the University. The total library holdings surpass 1,500,000 items in a variety of formats, comprising a collection which compares favorably with the national average for library holdings in peer institutions. The holdings include numerous materials received through the Library's designation as a depository for United States documents; an extensive reference collection; a growing collection of electronic books; a selection of journals and periodicals; significant quantities of microform materials; research collections available in the Library's West Texas Collection, located on the Second Floor of the University Center; and CDs, videos, DVDs, and other audio-visual materials. The Library provides a wide variety of electronic databases and on-line services which increase the access to information including over 30,000 text/image serial titles.

Library facilities contain nearly 100,000 square feet of space. Students enjoy using study carrels conducive to efficient study and research, open stacks, a media center, and a microform reading area. The new Learning Commons opened in January 2011 and it provides a variety of group and collaborative spaces in a technology rich environment. Through the Library's Interlibrary Loan service and cooperative agreements with other libraries, students and faculty members may request additional resources for their personal research and classroom assignments.

### Writing Center

The Writing Center is a tutoring service that features students helping students. It is staffed by graduate assistants and peer tutors who offer one-on-one conferences about writing and reading. The Writing Center serves all students on a drop-in basis. It also caters to students from any discipline, at any skill level, and at any stage of the writing or reading process. The Writing Center is open year-round.

### Student Life Services

Angelo State University strives to develop graduates who, through understanding and critical analysis, will be prepared to assume their responsibilities as citizens. Much of the development of responsible citizenship takes place outside the classroom through student programs, activities, and organizations. Academic work and student life are interrelated. The student life departments work closely with the academic faculty to build an environment which will contribute to maximum student development. Student development programs and services are coordinated by the Executive Director of Student Life, Director of Student Involvement, Director of Residential Programs, Counselor, Clinic, Recreation/Intramurals, and Cheerleader Director. These programs and services include orientation (SOAR, Rambunctious Weekend), housing, counseling, student activities, commuters, student government, student organizations, Greek Life, Disability Services, discipline, Community Service, Intramurals, Recreation, Cheerleaders, campus involvement, leadership, and all health services.

#### Student Life Office

The Student Life Office is concerned with the general welfare of all students. They work closely with students and faculty in the development of student life policies and programs. They offer direction in life skills and student development programs and services. Referrals for students with personal problems are also provided.

#### Student Health Services

The University Health Clinic is available to all students who are currently enrolled in the University in academic course work for which semester credit hours are awarded. The Clinic provides non-emergency, outpatient care Monday through Friday from 8:00 a.m. to 5:00 p.m. during the two long semesters and the two summer semesters when school is in session. Care is also available every weekend (Saturday/Sunday) 1:00 p.m. to 5:00 p.m. and between semesters and all holiday periods (except Thanksgiving and Christmas days, when the clinic is closed), Monday through Friday, 1:00 p.m. to 5:00 p.m. Clinic services include staff physician, nurse practitioner(s), nursing care, and health education. The Clinic provides many diagnostic services and treatments appropriate on an episodic, outpatient basis. It is not intended to substitute for the health maintenance care provided by the student's primary care provider. However, it can provide invaluable service for the student who can't see his/her private physician because of time restraints or distance. Any problem which can't be treated in the Clinic may be referred off-campus for further evaluation/treatment as deemed necessary by the Clinic staff.

Once the Medical Service Fee is paid, there is no charge for examination, diagnosis, or consultation services provided by the Clinic staff. However, there may be charges for injections. Students referred by Clinic staff for health care services to an off-campus health care provider will be responsible for all related costs.

Currently enrolled students requiring emergency medical services while the Clinic is closed should contact University Police or their Residence Hall Director.

All registered, domestic graduate students enrolled in one (1) or more credits, interns, fellows, and students working on their dissertation or thesis are eligible to purchase a plan of accident and sickness insurance which supplements the University Health Clinic Services in major surgical, medical, accident, and prescription drug benefits during both the school term and vacation periods. All registered international students on non-immigrant visas enrolled in one (1) or more credit hours are required to purchase the Student Health Insurance Plan, and are automatically enrolled in the Plan. Students must contact the Center for International Studies, to fulfill this requirement. All Health Professional Students enrolled in one (1) or more credit hours must be enrolled in the Plan, unless comparable coverage is furnished.

Students who do not carry other comprehensive health insurance are strongly urged to enroll in a health care insurance plan, as the Clinic cannot provide hospitalization or comprehensive health care coverage. Insurance information is available in the Business Services Office.

# University Facilities and Services

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## Counseling

The university counselors are located in the Health Clinic. Members of the Student Life professional staff, the counselors provide limited individual and group counseling and crisis intervention on social, cultural, behavioral, developmental and other matters for students experiencing mental or behavioral problems. In consultation with mental health and medical personnel, the counselors assist students to overcome personal or other problems and assist students and others to develop and maintain high levels of personal and academic performance. In addition to providing outreach programs and services on educational, wellness, and life skills issues, counselors refer students to outside mental health or medical professionals as indicated by a preliminary assessment and scope of student problems.

## Veterans Affairs

The Veterans' Affairs Office is here to help veterans and their dependent spouses be successful in their pursuit of higher education. To that end, the university works in cooperation with the U.S. Department of Veterans Affairs (VA) and the Texas Veterans Commission.

In addition to helping veterans secure financial aid, our office helps veterans obtain tutoring assistance. Angelo State University was designated in 2010 as one of the nation's "Military Friendly Schools" by *G.I. Jobs* magazine.

New and transfer veteran and dependent students may apply for benefits in the Veterans Affairs Office in Room 100 of the Hardeman Building.

Please visit our website at: <http://www.angelo.edu/dept/veterans/index.html> for information on the following programs.

- Chapter 30: Montgomery GI Bill - Active Duty Educational Assistance Program (new)
- Chapter 31: Vocational Rehabilitation
- Chapter 33: Post-9/11 Veterans Educational Assistance Act of 2008
- Chapter 34/30: Vietnam Era Veterans Educational Assistance Program (old)
- Chapter 35: Dependent's Educational Assistance Program
- Chapter 1606: Montgomery GI Bill - Selected Reserve Educational Assistance Program
- Chapter 1607: Reserve Educational Assistance Program (REAP)

## Students with Disabilities

Angelo State University is committed to the principle that no qualified student with a disability, shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments Act of 2008 (ADAAA), and subsequent legislation. All students at Angelo State University must have the capacity and ambition to undertake, with reasonable accommodation from the faculty and administration, the academic challenges necessary to fulfill the academic requirements for the degree or certification programs which they are pursuing.

All programs, services, and activities on the campus of Angelo State University are accessible to students with disabilities. Students with disabilities who desire to live on campus will find housing and dining facilities available and accessible.

The Student Life Office is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student's responsibility to initiate such a request by contacting the Student Life Office, Room 112 University Center, at (325) 942-2191 or (325) 942-2126 (TDD/FAX) or by e-mail at [student.life@angelo.edu](mailto:student.life@angelo.edu) to begin the process. The Student life Office will establish the particular documentation requirements necessary for the various types of disabilities. Requests for reasonable accommodations for non-academic settings will also be reviewed and handled by the Office of Student Life in coordination with other campus departments.

## University Facilities and Services

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Requests for reasonable academic accommodations will be reviewed on a case-by-case basis, taking into account the essential elements of the academic course and/or the degree being sought. To the extent practical, the Student Life Office, working in collaboration with the appropriate academic and/or administrative department, will authorize reasonable accommodations to assist qualified individuals with disabilities to have full and equal access to the programs and services of the university and a full and equal opportunity to meet the academic requirements of their courses and/or their degree requirements, consistent with published academic requirements and the applicable provisions of federal and state legislation.

### Houston Harte University Center

The facilities, services, and programs of the Houston Harte University Center provide for a wide variety of out-of-class student activities on an individual or organized basis. In addition to recreational and dining facilities, the Center contains several lounges, offices for the University Center Program Council, offices for student government, the Business Services Offices (where building management, reservations services, and vending services reside) and the Campus Information Desk, Student Life, the Center for Student Involvement, the Multicultural Center, a campus bookstore, post office, meeting rooms, a spacious conference center, a bank, student organizations headquarters, and the West Texas Collection.

### Student Body

All students regularly enrolled at Angelo State University are members of the Student Body. Each student in the Student Body is represented by the Student Senate and its elected officers. A faculty sponsor and the Executive Director of Student Life provide assistance and maintain liaison between students and faculty.

### Notification of Rights under Federal Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act of 1974 (20 U.S.C.A. Section 1232g) protects certain rights of students who are enrolled in a post-secondary institution relative to their educational records.

The Act grants students:

1. The right to inspect and review their education records within 45 days of the day Angelo State University receives a request for access. Students should submit to the registrar, dean, chair of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask Angelo State University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If Angelo State University decides not to amend the record as requested by the student, Angelo State University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

## University Facilities and Services

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4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Angelo State University to comply with the requirements of FERPA.

Prior to disclosure of any personally identifiable information other than directory information, except as allowed by the regulations, the University must obtain the written consent of the student and then must maintain a record of the disclosure. The categories included as directory information at Angelo State University which routinely will be made public upon request or published in appropriate University publications are:

The student's name, local and permanent mailing address, photograph, major and minor fields of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, team photographs, dates of attendance, classification, enrollment status, degree candidate, degrees, awards and honors received, and type of award/honor, previous educational agency or institutions, and hometown.

Students who desire that their directory information not be released must submit a written request to the Registrar's Office during the first twelve class days of the fall or spring semester or the first four class days of the summer terms. Forms for submitting the written request to withhold directory information are available in the Registrar's Office.

### Access to Student Records

The Family Educational Rights and Privacy Act of 1974 provides that students be apprised of the location of their educational records and the administrator responsible for their maintenance. Student records are filed in a variety of offices as listed in the Student Handbook. The administrative officers are responsible for the records under their control and for the appropriate release of information contained in these records. Angelo State University forwards educational records to other educational institutions in which a student seeks or intends to enroll without providing any further notice to the individual regarding the transfer of the records.

## Alcohol and Controlled Substance Violations:

### Parental Notification Policy (FERPA)

The Executive Director of Student Life is responsible for determining if and by what means parents or legal guardians will be notified when students under the age of 21 are found to have committed serious or repeated violations of federal, state, or local law, or University policies related to the possession, use, or distribution of alcohol or a controlled substance.

Notification of parents or legal guardians for a violation of federal, state, or local law or institutional policy regarding alcohol or a controlled substance is indicated in any of the following circumstances:

- The violation involved harm or threat of harm to self, other persons, or property.
- The violation involved an arrest in which the student was taken into custody.
- The violation suggests a pattern of alcohol or controlled substance abuse.
- The student who committed the violation required medical intervention or transport as a result of consumption of alcohol or a controlled substance.
- The violation resulted in or could result in the student being disciplined by the University including but not limited to: housing contract probation, housing contract cancellation, disciplinary probation, deferred-suspension, suspension, or expulsion.

The University supports students assuming personal responsibility and accountability for their actions as they learn to establish their own independence. The University also recognizes that the process of establishing personal independence requires support and, at times, assistance or intervention from others. In the appropriate circumstances, notification of parents or legal guardians can be a means of support in that transition for students. Consistent with this approach, the Executive Director Student Life or his/her designee—whenever possible—will involve the student in a discussion about the decision to notify his/her parents or legal guardian and will inform the student that notification will take place.

Nothing in these guidelines shall prevent University officials from notifying parents or legal guardians of health or safety emergencies, regardless of the judicial status of the student.

## University Facilities and Services

### Athletics

Intercollegiate athletics is an integral part of student life at Angelo State. Intercollegiate teams for men include football, basketball, baseball, outdoor track and field, and cross country. Intercollegiate teams for women include volleyball, soccer, basketball, softball, outdoor track and field, cross country, indoor track and field, and golf.

Angelo State is a member of the National Collegiate Athletic Association (NCAA) Division II and the Lone Star Conference. The Lone Star Conference is composed of teams from Texas, Oklahoma, and New Mexico.

Intercollegiate Athletic Offices are located in the Junell Center Stephens Arena as are team locker rooms, two weight rooms, and sports medicine facilities. The Norris Baseball Clubhouse is home to the Rams baseball team. The football team plays in the 17,500 seat San Angelo Stadium which is located near campus to the south while both men's and women's basketball and volleyball compete in the Junell Center Stephens Arena which seats 5500.

The LeGrand Sports Complex features a 400 meter, all-weather track and has hosted the NCAA Division II Outdoor Track and Field National Championships five times, most recently in spring 2009. The Rambelle softball team plays at the ASU Softball Complex, a 750 seat facility that has hosted several NCAA South Central Regional and Super Regional Championships. The baseball team plays at Foster Field, a 4200 seat facility located on the ASU campus that is also home to the San Angelo Colts, a professional team.

### University Recreation and Intramurals

The recreation program offers to all students the opportunity to participate in a wide range of sports and activities. All of the facilities of the Center for Human Performance, including a 25-meter swimming pool and four racquetball courts, are available to students for recreational and intramural activities.

The University maintains a large, attractive lakehouse and recreational facilities at nearby Lake Nasworthy. These facilities provide students with excellent opportunities for social events and for recreational activities such as swimming, boating, and water skiing.

Tennis, golf, racquetball, volleyball, flag football, basketball, softball, bowling, swimming, and physical conditioning are all available to ASU students through the University's varied programs.



# **University Facilities and Services**

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## **General Statement Concerning Student Life**

Attendance at a tax-supported educational institution of higher learning is optional and voluntary. By such voluntary entrance into the academic community of Angelo State University, students voluntarily assume the obligations of performance and behavior imposed by the University relevant to its lawful missions, processes, and functions. These obligations are generally much higher than those imposed on all citizens by the civil and criminal law.

When students enter Angelo State University, it is assumed they have serious purpose and a sincere interest in their own social and intellectual development. They are expected to learn to cope with problems with intelligence, reasonableness, and consideration for the rights of others; to obey laws and ordinances of the nation, the State of Texas, and community of which they, as well as their University, are a part; and to conduct themselves peaceably in espousing changes they may consider necessary. As they prize rights and freedoms for themselves, they are expected to respect the rights and freedoms of others.

Students are subject to federal, state, and local laws as well as University regulations and policies. A student is not entitled to greater immunities or privileges before a law than those enjoyed by other citizens generally. Students are subject to such reasonable disciplinary action as the administration of the University may consider appropriate, including suspension, dismissal, and expulsion in appropriate cases, for breach of federal, state, or local laws, or University regulations or policies. This principle extends to conduct off campus which is likely to have adverse effect on the University or on the educational process.

## **University Policies, Rules and Regulations**

University policies, rules, and regulations relating to Angelo State University students are made with the view of protecting the best interests of the individual, the general welfare of the entire student body, and the educational objectives of the University. Specific University policies, rules, and regulations governing student conduct adopted by the Board of Regents and the Administration of Angelo State University are provided in the Student Handbook. It is the responsibility of each student to become informed regarding these policies, rules, and regulations and to abide by them at all times.

## **Housing and Residential Programs**

Angelo State University recognizes an obligation to students to provide adequate housing and dining facilities at a reasonable cost. Housing is provided for single students, both men and women.

The residence hall program is an integral part of Angelo State University's overall educational objective of providing the best possible environment for the mental, physical, and emotional development of the students attending the institution. Residence hall living is an important part of University life.

In the residence halls, students associate with other students from various cities, states, and nations. Group study and discussions, academic support services, and special programs and activities all enhance the academic environment of the halls. University residence halls offer choices as to meal plans and payment plans. Recreational facilities are available.

Residence halls serve as a home away from home for many Angelo State University students. Efforts are made to create within each hall an atmosphere fostering a living/learning concept through positive life experiences. In addition to each residence hall operating on a self-regulated hours system, allowing students to enter and leave the hall at any time they wish, visitation programs provide students the opportunity to have guests visit in their rooms during designated periods of time. This program encourages development of individual responsibilities, self-discipline, social graces, and interpersonal relationships. Each residence hall is provided with 24-hour security by University Police personnel.

# University Facilities and Services

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## Reservations

Prospective students wishing to make reservations for University housing must first apply for admission to the College of Graduate Studies and receive a campus ID (CID). Students must fulfill all requirements for admission before a housing assignment will be issued. A Housing Application which may be obtained on-line is then submitted. Each reservation form must be accompanied by a \$200 non-refundable application fee. More detailed information concerning the facilities and offerings of campus residence halls can be obtained on-line at ([www.angelo.edu/liveoncampus](http://www.angelo.edu/liveoncampus)) or by contacting the University Housing and Residential Programs Office, ASU Station #11016, Angelo State University, San Angelo, Texas 76909, or by calling (325) 942-2035 (e-mail address: [Housing@angelo.edu](mailto:Housing@angelo.edu)).

**Refunds.** Refunds are granted for room and board after the Director of Housing and Residential Programs receives proper clearance from the appropriate residence hall. All refunds are prorated on a daily basis. Students should receive their refunds within thirty days from the University Student Accounts Office. All requests for refunds must be submitted in writing by the published deadlines. Refunds are subject to the terms and conditions of the Student Housing Contractual Agreement.

**Insurance.** Angelo State University strongly recommends that all students maintain hospitalization insurance to supplement the medical services provided by the University Health Clinic. Any student may enroll in the varsity plan which is available at the University during fall, spring, and summer registrations. Students are also encouraged to maintain personal property insurance.

**Schedule.** The residence halls open for occupancy at 8 a.m. on the Friday preceding the first day of class. Room keys may be obtained from the hall offices. The first cafeteria meal will be served the day the residence halls open for check-in. Food service is available between semesters and during holidays.

**Roommates.** The University reserves the right to assign roommates although consideration is given to student preferences where possible. Those interested in rooming with particular students may make that request through the on-line system.

**Furnishings.** Room furnishings in residence halls include beds, mattresses, chairs, desk, and closet for two. Students are expected to furnish their own personal effects, including sheets, pillows, pillow cases, blankets, bedspread, and towels. Card-operated automatic washers and dryers are available in the residence halls. There is no charge for residential student to use laundry machines.

**Electrical Appliances.** With the exception of Vanderventer Apartments, each room is furnished with a MicroFridge unit. The use in the residence halls of electrical appliances not provided by the University is subject to authorization. Students should contact the Housing and Residential Programs Office for information regarding electrical appliances authorized in the residence halls. Students are normally allowed to use small appliances such as audio devices, computers, lamps, hair dryers, and irons. However, electrical appliances used for storage or preparation of food are prohibited with the exception of University supplied refrigerator and microwave units.

**Withdrawal.** Fees will be forfeited by students who are asked to leave the University for disciplinary reasons or who leave to evade disciplinary action. Other fees may apply. Please consult the Student Housing Contractual Agreement. Students must contact the Registrar's Office to withdraw from ASU.

**Phone Service.** The majority of residential students use cell phone service as their primary telecommunications device. As such, telephone service is not provided in the residence halls. Courtesy and emergency phones are located at designated locations in the residence halls in some common areas.

# Inventory of Academic Programs

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## Degrees and Areas of Study

Graduate study is offered leading to nine different degrees. These graduate degrees and the fields of study are listed below.

Degree	Field
<b>Doctor of Physical Therapy (D.P.T.)</b>	

Physical Therapy

**Master of Arts (M.A.)**

Communication

Curriculum and Instruction

English

**Master of Business Administration (M.B.A.)**

Accounting

Business Administration

**Master of Education (M.Ed.)**

Coaching, Sport, Recreation, and Fitness Administration

Guidance and Counseling

Professional Education

School Administration

Special Education

Student Development and Leadership in Higher Education

**Master of Professional Accountancy (M.P.Ac.)**

Professional Accountancy

**Master of Public Administration (M.P.A.)**

Public Administration

**Master of Science (M.S.)**

Animal Science

Biology

Border Security

Criminal Justice

Kinesiology

Psychology

Applied

Counseling

Industrial/Organizational

## Inventory of Academic Programs

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### **Master of Science in Nursing (M.S.N.)**

Advanced Practice Registered Nurse  
Clinical Nurse Specialist (CNS Option)  
Family Nurse Practitioner (FNP Option)  
Nurse Educator Option

### **RN to M.S.N.**

Advanced Practice Registered Nurse  
Clinical Nurse Specialist (CNS Option)  
Family Nurse Practitioner (FNP Option)  
Nurse Educator Option

### **Master of Security Studies (M.S.S.)**

Security Studies

### **Areas of Study (non-degree)**

Curriculum and Instruction - Teacher Certification only  
Master Reading Teacher Certification  
Nurse Practitioner Joint Program with Texas Tech Health Sciences Center

### **Post-master's Certification**

Educational Diagnostics  
Licensed Professional Counselor  
Principal  
Reading Specialist  
School Counselor  
Superintendent

### **Certificates**

Academic Advising  
Border Security  
Post Master's Certificate Program: Clinical Nurse Specialist  
Emergency Management  
Post Master's Certificate Program: Family Nurse Practitioner  
Global Security Issues  
International Conflict Studies  
Local Behavior Certificate  
Local Dyslexia Certificate  
Post Master's Certificate Program: Nurse Educator  
Post Master's Certificate Program: Registered Nursing First Assistant  
Terrorism and Counterinsurgency Studies  
Transnational Crime Studies

# Accounting

**College of Business: Department of Accounting, Economics, and Finance**

**Department Chair: Thomas A. Bankston**

**Program Advisor: Norman Sunderman**

**E-mail: [norman.sunderman@angelo.edu](mailto:norman.sunderman@angelo.edu)**

**Office: Rassman Building, Room 246**

**Telephone: (325) 942-2046 ext. 245, Fax: (325) 942-2285**

**Graduate Faculty:** Bankston, Butler, DeCelles, Huang, Husein, Kara, McKinney, Pier, Sunderman.

## **Master of Business Administration (M.B.A.) Master of Professional Accountancy (M.PAc.) Accounting**

As an accounting professional, the bottom line among prospective employers and clients is your proven proficiency - in technical knowledge, critical thinking ability and communication skills. The Master of Business Administration in Accounting is designed to heighten your broad-based business knowledge to meet employers' expectations while the Master of Professional Accountancy is a more specialized degree focusing on accounting and finance. Both degrees satisfy CPA licensing requirements.

Angelo State University provides two avenues for earning an M.B.A. in Accounting or an M.PAc. Students who have already received a bachelor's degree enroll in the regular graduate programs, while outstanding undergraduate students may enroll in the Integrated B.B.A./M.B.A. and B.B.A./M.PAc. programs.

### **Degree Requirement / Prerequisites**

ACC	2301 or 5192	Principles of Accounting I or Independent Study in Financial Accounting
ACC	2302 or 5191	Principles of Accounting II or Independent Study in Managerial Accounting
ACC	3303	Intermediate Accounting I
ACC	3304	Intermediate Accounting II
ACC	3305	Accounting Information Systems
ACC	3331	Cost Accounting
ACC	3361	Individual Income Tax
ACC	4303 *	Auditing
ACC	4311	Advanced Accounting I
MSC	2331 or 5191	Business Statistics or Independent Study in Statistics
BUSI	3345	Business Law
ECO	2302 or 5191 or 6300	Microeconomics or Independent Study in Economics or Economic Theory and Practice
FIN	3361 or 5191	Financial Management or Independent Study in Finance
MATH	1325 or 2513	Business Calculus and Finite Mathematics II or Calculus I

Student must have a 2.50 GPA in Intermediate Accounting I and II with no grade lower than "C."

Applicants are required to take the Graduate Management Admission Test (GMAT), which is a computer-adaptive test administered at centers throughout the country and the world. You may take the standardized test as often as once per calendar month. GMAT scores must be reported to ASU (code 6644) directly from the testing agency and are valid for five years. To make arrangements for taking the test, go to the GMAT website: ([www.mba.com](http://www.mba.com)).

Admission is ordinarily granted to students who meet the College of Graduate Studies admission requirements and meet the formula  $(200 \times \text{undergraduate GPA} + \text{GMAT} \geq 1050)$ , with a  $\text{GMAT} \geq 430$

Students may take the above courses as leveling courses simultaneously with graduate courses for which they have the appropriate prerequisites. Accounting 6303, 6317, 6361, and 6362 cannot be taken until both intermediate accounting courses have been satisfactorily completed.

\* The Graduate M.B.A. Major Field test should be taken in conjunction with this course as a graduation requirement.

## M.B.A. Accounting and Integrated B.B.A./M.B.A. Accounting Graduate Courses:

ACC	6303	Applied Auditing	Spring
ACC	6313	Accounting Information Systems	Summer I
ACC	6317	Advanced Accounting Problems	Fall
ACC	6361	Advanced Tax Accounting	Fall
ACC	6362	Tax Research Methodology	Spring
ECO	6311	Managerial Economics	Spring
FIN	6301	Financial Management	Spring
MGT	6311	Organizational Behavior	Fall
MGT	6312	Operations Management	Summer
MGT	6313	Corporate Strategies and Policies	Fall & Spring
MKT	6301	Marketing Management	Fall
MSC	6301	Decision Analysis (statistics)	Fall

## M.PAc. and Integrated B.B.A./M.PAc. Graduate Courses:

ACC	6303	Applied Auditing	Spring
ACC	6313	Accounting Information Systems	Summer
ACC	6317	Advanced Accounting Problems	Fall
ACC	6325	Financial Statement Analysis	Spring
ACC	6361	Advanced Tax Accounting	Fall
ACC	6362	Tax Research Methodology	Spring
MGT	6312	Operations Management	Summer
MGT	6313	Corporate Strategies and Policies	Fall & Spring
MSC	6301	Decision Analysis (statistics)	Fall

Three electives from:

ECO	6311	Managerial Economics	Spring
FIN	6301	Financial Management	Spring
FIN	6347	Estate Planning	Fall
ISTD	6381 *	Special Topics	Summer
MGT	6311	Organizational Behavior	Spring
MKT	6301	Marketing Management	Fall

Up to nine semester credit hours of graduate credit completed prior to the date of first admission to the M.B.A. or M.PAc. degree program at Angelo State University may be transferred into the program. After the date of first admission to the M.B.A. or M.PAc. program, six semester hours may be transferred into the program only to fulfill elective requirements. The maximum total transfer credit is nine semester credit hours. The rest of the transfer policies of the College of Graduate Studies also apply.

All M.B.A. or M.PAc. students are required to take the Major Field Test (MFT) on the ASU campus as a graduation requirement. The MFT will normally be taken as part of the course requirements in Management 6313 Corporate Strategies and Policies.

**Marketing Requirement.** Students in the Master of Professional Accountancy program who have not taken a marketing course must take either an undergraduate marketing course as leveling work or elect a marketing course at the graduate level.

**Financial Aid.** Merit scholarships are available to qualified students who demonstrate superior academic achievement and career potential. Both US and non-US citizens and residents are eligible for merit scholarships. Graduate students are eligible for Academic Excellence Graduate Scholarships. Texas students in the integrated program with 120 hours or more are also eligible for Fifth Year Accounting Scholarships funded by the Texas Higher Education Coordinating Board. The application deadline for Fifth Year Accounting Scholarships is June 30.

\* Business course taught by business graduate faculty in the study abroad program.

## Accounting



### Courses in Accounting (ACC)

**\*ACC 5191 Independent Study in Managerial Accounting (1-0).** A specialized on-line course in Managerial Accounting which is required for students who need additional background study in the area. Credit may not apply towards MBA degree requirements. Grading for the course will be Pass (P), Fail (F).

Prerequisite: Permission of the Instructor.

**\*ACC 5192 Independent Study in Financial Accounting (1-0).** A specialized on-line course in Financial Accounting which is required for students who need additional background study in the area. Credit may not apply towards MBA degree requirements. Grading for the course will be Pass (P), Fail (F).

Prerequisite: Permission of the Instructor.

**ACC 6301 Advanced Management Accounting (3-0).** A comprehensive study of the preparation of internal accounting reports for decision making, planning and control; cost determination and evaluation; budgeting and quantitative techniques. May not be taken by accounting majors to satisfy requirements in accounting.

Prerequisite: Accounting 2302.

**ACC 6303 Applied Auditing (3-0).** Interrelation of auditing concepts and professional standards and procedures for auditing computerized information systems, legal concerns, ethical dilemmas, and other contemporary issues in auditing practice.

Prerequisite: Accounting 4303.

**ACC 6313 Accounting Information Systems (3-0).** An advanced casework oriented course in computer-based information system theory and implementation. Topic coverage includes systems analysis, relational database theory, decision support systems, telecommunications, and networking.

Prerequisites: Accounting 2302 and Business Computer Information Systems 1305.

**ACC 6317 Advanced Accounting Problems (3-0).** Review and elaboration of accounting principles as developed by a series of advanced problems. Corporation accounting and income determination.

Prerequisite: Accounting 3304.

**ACC 6325 Financial Statement Analysis (3-0).** Interpretation and analysis of financial statements and schedules for investors and other users.

Prerequisite: Accounting 3304.

\* Credit for 5000 level business area courses may not be used for degree requirements.

**ACC 6361 Advanced Tax Accounting (3-0).** Tax regulations applicable to partnerships, corporations, estates, gifts, and trusts.

Prerequisite: Accounting 3361.

**ACC 6362 Tax Research Methodology (3-0).** Advanced research in federal taxation. Includes historical and current developments, sources of tax law, research methodology, case studies and reports.

Prerequisites: Accounting 3361 and 4362 ("C" or better) or 6361.

**ACC 6381 Special Topics (3-0).** A study of selected topics in accounting. May be repeated once for credit when the topic varies.

**ACC 6391 Research.** A specialized course which may be directed reading or research for superior students.

### Courses in Economics (ECO)

**\*ECO 5191 Independent Study in Economics (1-0).** A specialized on-line course in Economics which is required for students who need additional background study in the area. Credit may not apply towards MBA degree requirements. Grading for the course will be Pass (P), Fail (F).

Prerequisite: Permission of the Instructor.

**ECO 6300 Economic Theory and Policy (3-0).** This course combines macroeconomics, including demand and supply, unemployment, inflation, gross domestic product, inflation, the U.S. banking system, and microeconomics, including consumer choice, rents, profits, the firm's cost and output determination, competition, monopoly, and the labor market.

**ECO 6311 Managerial Economics (3-0).** A survey of microeconomic theories and analysis methods with applications in business problems for managerial decision making. Topics include demand analysis and estimation, costs, market structures and pricing.

Prerequisite: Economics 2302.

### Courses in Finance (FIN)

**\*FIN 5191 Independent Study in Finance (1-0).** A specialized on-line course in Finance which is required for students who need additional background study in the area. Credit may not apply towards MBA degree requirements. Grading for the course will be Pass (P), Fail (F).

Prerequisite: Permission of the Instructor.

**FIN 6301 Financial Management (3-0).** Corporate financial management decision-making techniques emphasized in areas of planning the financial structure, management of assets, capital budgeting, obtaining capital, and management of income.

Prerequisite: Finance 3361.

**FIN 6347 Estate Planning (3-0).** Various aspects of estate and gift tax planning. Emphasis is given to a basic understanding of the unified estate and gift tax system. This course covers gratuitous transfers of property outright or with trusts, wills, and powers of appointment. It also covers federal estate and gift taxation, the marital deduction, and various estate planning devices used in estate planning process. Includes project in estate planning.

Prerequisite: Graduate standing.

**FIN 6381 Special Topics (3-0).** A study of selected topics in finance. May be repeated once for credit when topic varies.

**NOTE:** Course descriptions for Management Science 6301, Management 6311, Management 6312, Management 6313 and Marketing 6301 can be found in the Business Administration section.

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\* Credit for 5000 level business area courses may not be used for degree requirements.

## **Animal Science**

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**College of Arts and Sciences: Department of Agriculture**

**Department Chair: Gilbert R. Engdahl**

**Program Advisor: Cody B. Scott**

**E-mail: [cody.scott@angelo.edu](mailto:cody.scott@angelo.edu)**

**Office: Vincent Building, Room 222**

**Telephone: (325) 942-2027 ext. 284, Fax: (325) 942-2183**

**Graduate Faculty:** Braden, Branham, Engdahl, Howry, May, Salisbury, Scott.

### **Master of Science (M.S.) Animal Science**

The Master of Science degree with the thesis option is designed for persons intending to continue graduate work at the doctoral level. The non-thesis option is designed for persons wishing to pursue a career in industry, business, or governmental services or to teach at the junior college level. The specialized curricula are designed to give the student a thorough knowledge of the application of scientific principles to the production, processing, and marketing of livestock and livestock products. The Master of Science degree, thesis option, requires a minimum of 30 semester credit hours of graduate work, including 21-30 semester credit hours in agriculture department courses (including six semester credit hours for thesis) and 0-9 semester credit hours in supporting electives. The Master of Science degree, non-thesis option, requires a minimum of 36 semester credit hours of graduate work, including 27-36 semester credit hours in agriculture department courses (including three semester credit hours in Research) and 0-9 semester credit hours in supporting electives.

#### **General Departmental Degree Requirements**

The student's Master of Science program must be initiated under the direction of a major professor and approved by the Chair of the Department of Agriculture and the Dean of the College of Graduate Studies. The specific courses required for Animal Science majors will be determined by the student's advisory committee. The thesis project must be approved by the advisory committee and Graduate Dean. All graduate students are expected to successfully pass a comprehensive oral exam at the end of their graduate work. Graduate students completing a thesis option also must successfully defend their thesis.

#### **Facilities**

The Animal Sciences program at Angelo State University is supported by a wide range of physical facilities which provide students with unique opportunities to gain experience in every facet of management, instruction, and research related to careers in the field of animal science.

Angelo State University operates a comprehensive Management, Instruction, and Research (MIR) Center in conjunction with 6,000 acres of land at O.C. Fisher Lake near San Angelo which the University utilizes as a multiple purpose agricultural production and wildlife management area under a 25-year lease from the U.S. Corps of Engineers, Department of the Army.

A multi-million dollar complex at the Center includes instructional and research laboratories for animal science, animal anatomy and physiology, animal reproduction, animal nutrition, wildlife management, wool and mohair technology, plant and range sciences, and meat and food science.

An 80' X 120' multi-use arena provides facilities for livestock exhibitions and demonstrations, seminars, judging contests, and other activities. A maintenance complex includes shops for maintenance and repair of trucks, tractors, and other farm and ranch machinery, and for the construction of various types of equipment needed in animal, wildlife, and crop research.

The facilities of the Texas A&M University AgriLife Research and Extension Center at San Angelo are available for specialized instructional needs of Angelo State University students majoring in Animal Science. This Center, established adjacent to the University's Management, Instruction, and Research Center with the support and assistance of Angelo State University, is a joint partner with Angelo State University in striving to meet the agricultural needs of the Edwards Plateau.

### Courses in Agricultural Economic (AGEC)

**\*AGEC 5342 Agribusiness Statistics (2-2).** Statistical methods with application in agribusiness and resource management. Course meets concurrently with Agricultural Economics 4342 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

### Courses in Animal Science (ASCI)

**\*ASCI 5248 Reproductive Techniques (1-3).** Techniques for increasing reproductive efficiency in farm animals; semen collection and evaluation, pregnancy diagnosis, and artificial insemination. Course meets concurrently with Animal Science 4248 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**\*ASCI 5342 Sheep and Goat Science (2-2).** Methods of breeding, feeding, management, and marketing of commercial and purebred sheep and goats; production and marketing of animal fibers. Course meets concurrently with Animal Science 4342 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**\*ASCI 5343 Beef Cattle Science (2-2).** Methods of breeding, feeding, management, and marketing of commercial and purebred beef cattle. Course meets concurrently with Animal Science 4343 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Animal Science 3342, 3443, 4344. Permission of Graduate Advisor and Graduate Dean.

**\*ASCI 5345 Animal Behavior and Welfare (3-0).** Basic principles of animal behavior, physiology of behavior, stress, welfare and training of animals. Applications of behavior of livestock to their management and welfare. Course meets concurrently with Animal Science 4345 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**ASCI 6181 Seminar (1-0).** A survey of the literature and current research in various fields of animal science, range management, and wildlife management. May be repeated once for credit when topic varies.

**ASCI 6191, 6391 Research.** Individual research problems. (May be repeated for a total of 6 semester credit hours.)

**ASCI 6321 Research Methods (2-2).** Procedures used in agricultural research including experimental design, data collection, preparation, and analysis of results.

**ASCI 6335 Issues in Animal Agriculture (3-0).** Lecture, discussion and seminar on current societal, economical and environmental issues facing animal agriculture. Emphasis on issues that will continue to impact animal agriculture production and management practices.

**ASCI 6339 Advanced Reproductive Physiology (3-0).** Physiological mechanisms of reproductive processes in livestock and research methodology.

Prerequisite: Animal Science 4344 or equivalent.

\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

## Animal Science

**ASCI 6340 Advanced Sheep and Goat Production (3-0).** The application of current research to sheep and Angora goat production, nutrition, reproduction, and production systems.

**ASCI 6341 Advanced Animal Nutrition (3-0).** A study of nutrient requirements of various physiological functions and levels of animal performance; feed standards, comparative feeding studies, determination of digestibility and nutritional balances. Practical application of the above to energy systems for predicting animal performance and defining energy-nutrient relationships.

**ASCI 6342 Ruminant Nutrition (3-0).** Current fundamental concepts in the physiology of digestion and metabolism in ruminants and their relationships to nutritional research and practice.

**ASCI 6344 Physiology of Farm Animals (3-0).** Current fundamental concepts of the biomedical, physiological, and endocrinological mechanisms affecting reproduction, metabolism, and growth of farm animals.

**ASCI 6345 Advanced Beef Cattle Production (3-0).** The application of current research to beef cattle production, nutrition, reproduction and production systems.

**ASCI 6346 Advanced Meat Science (2-2).** A study of meat components, their development, and their effect on meat characteristics and processing properties.

Prerequisite: Food Science 4446.

**ASCI 6381 Special Topics (3-0).** Selected topics in advanced animal science, range management, or wildlife management. (May be repeated once for credit when topic varies.)

**ASCI 6399 Thesis.**

**ASCI 6699 Thesis.**

### Courses in Food Science (FSCI)

**\*FSCI 5345 Food Microbiology (2-2).** The study of microorganisms important in food production, spoilage, preservation, and illness. Nutrient needs, growth characteristics, beneficial products, testing methods, and illnesses caused by microorganisms will be investigated. Course meets concurrently with Animal Science 4345 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**\*FSCI 5344 Food Safety and Sanitation (2-3).** Principles of sanitation in food processing and food service. A study of the physical, chemical and microbiological importance of food spoilage, food preservation, and the methods for control of microbiological growth. The national food service exam will be given at the end of the course. Course meets concurrently with Food Science 4344, but requires additional readings, papers, discussions and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.



\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

**\*FSCI 5446 Meats (3-2).** Introduction and survey of the meat industry; live animal carcass comparisons; harvest techniques, processing, storage, preservation, food safety and identification of meats. Course meets concurrently with Animal Science 4446 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**\*FSCI 5447 Processed Meats (2-3).** Introduction and survey of the processed meats industry; principles of meat processing; portion control, restructured meat technology, curing reactions and sausage processing, including the physical, sensory and biochemical properties of processed meat. Emphasis is placed on students' knowledge of basic meat processing techniques. Course meets concurrently with Food Science 4447, but requires additional readings, papers, discussions and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**\*FSCI 5350 Issues in Meat and Food Sciences (3-0).** Lecture, discussion and seminar on current technological, societal, economical and environmental issues facing the meat and food science industries. Emphasis on issues that will continue to impact food production and service management practices including Hazard Analysis and Critical Control Points (HACCP) and other government regulations. Course meets concurrently with Food Science 4350 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**FSCI 6320 Research Techniques and Ethics (2-2).** Technical and scientific methodology utilized in various animal and food product laboratory techniques will be examined. Additionally, research ethics in the areas of methods, manners, mandates, authorship, and animal research are central to the course.

**FSCI 6329 Advanced Food Science (2-2).** A study of the chemical and physical properties of food components and their modifications by processing techniques.

### Courses in Range and Wildlife Management (RWM)

**\*RWM 5333 Range Wildlife Management (2-2).** Introduction to the ecology and management of wildlife populations, integration of other resource demands with that of wildlife. Course meets concurrently with Animal Science 4333 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**RWM 6338 Range Animal Nutrition (3-0).** Application of principles of animal nutrition and production to a range ecosystem. Study of plant/animal/environmental interactions as related to nutritive value of forages and nutrient intake requirements of range herbivores.

**RWM 6339 Grazing Management (3-0).** Provides a synthesis of literature addressing the fundamental ecological concepts and managerial principles pertaining to management of grazing animals.



\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

## Biology

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**College of Arts and Sciences: Department of Biology**

**Department Chair: R. Russell Wilke**

**Program Advisor: Bonnie Amos**

**E-mail: [bonnie.amos@angelo.edu](mailto:bonnie.amos@angelo.edu)**

**Office: Cavness Building, Room 127 B**

**Telephone: (325) 942-2189, Fax: (325) 942-2184**

**Graduate Faculty:** Ammerman, Amos, Dixon, Dowler, Guardiola, Jones, Maxwell, Russell, Strenth, Wilke.

### Master of Science (M.S.) Biology

Admission Requirements. The requirements for admission to the College of Graduate Studies and the Master of Science in Biology are listed on (page 14) of this Catalog. \*, \*\*

#### Facilities

The Department of Biology offers a graduate program that covers a broad range of subject areas. Laboratory facilities and research and teaching collections of plants and animals are located on the campus. Opportunities for field-oriented graduate research are enhanced by the location of San Angelo in an ecotone between several biotic provinces.

The biology faculty are engaged in research that includes behavioral and evolutionary ecology, developmental biology, microbial ecology, molecular genetics, neurophysiology, and ecology and systematics of plants and animals.

#### Degree Requirements

The student's Master of Science program must be initiated under the direction of a major professor and approved by the Chair of the Department of Biology and the Dean of the College of Graduate Studies. The thesis option is offered for those students preparing for further graduate work in biology. For thesis admission, a student must select a research topic and be approved by the biology graduate faculty member who represents this discipline. The non-thesis option is offered for those students desiring to improve their positions and skills as secondary school or junior college teachers, laboratory technicians, consultants, or government employees.

#### I. Master of Science in Biology

- A. Thesis Option: The student must complete a minimum of 30 semester credit hours of graduate work, including:
  - 1. 18-24 semester credit hours in biology courses, including Biology 6302,
  - 2. 0-6 semester credit hours in supporting electives,
  - 3. a thesis in biology (6 additional semester credit hours in biology will be awarded for successful completion of the thesis) including a defense.

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\* A student who has not completed the listed courses as an undergraduate will be required to take these courses as leveling work. All leveling courses must be completed within one year of enrollment in the graduate program.

\*\* Applicants for the thesis option who fall slightly short of this formula may be considered for provisional admission if there are strong additional indicators that the applicant will be successful in the graduate program.

B. Non-Thesis Option: The student must complete a minimum of 36 semester credit hours of graduate work, including:

1. 21-30 semester credit hours in biology, including 3 semester credit hours of literature-based research (field or laboratory research may be available after completion of this requirement),
2. Biology 6302,
3. 3 semester credit hours in research,
4. 0-9 semester credit hours in supporting electives.

### II. Master of Science in Biology with Emphasis in Science Education

This program is designed for students seeking a career as a two (2) or four (4) year college or university educator. Students will broaden their basic knowledge of the biological sciences, gain experience in investigative research methodology (particularly as it relates to the study of how science is taught), and develop their understanding of science pedagogy, curriculum development, and assessment as it relates to learning in institutions of higher education.

A. Thesis Option: The student must complete a minimum of 36 semester credit hours of graduate work, including:

1. 4 semester credit hours of core pedagogical courses (Biology 6304 and Biology 6171),
2. 3-6 semester credit hours of graduate Education courses (choose from Education 6331, 6310, 6322, 6351, or 6391),
3. 20-23 semester credit hours in biology courses, including Biology 6302,
4. a thesis in science education (6 additional semester credit hours in biology will be awarded for successful completion of the thesis) including a defense.

B. Non-Thesis Option: The student must complete a minimum of 36 semester credit hours of graduate work, including:

1. 4 semester credit hours of core pedagogical courses (Biology 6304 and Biology 6171),
2. 6 semester credit hours of graduate Education courses (choose from Education 6331, 6310, 6322, 6351, or 6391),
3. 23 semester credit hours in biology courses, including Biology 6302,
4. a research report in science education (Biology 6391), results of the research report must be presented orally to the biology department faculty during the last semester prior to graduation.

**Note:** This program does NOT lead to teacher certification; however secondary biology teachers seeking to expand their background knowledge in the biological sciences and/or enhance their science education research skills would be eligible to apply. Leveling work is determined case-by-case.

**Comprehensive Examination.** Each candidate for the Master of Science degree in Biology will be required to successfully complete advanced biology (Biology 6302). This course covers a broad range of general topics in biology and serves as the comprehensive examination in the Department of Biology graduate program.

# Biology

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## Courses in Biology (BIO)

**\*BIO 5301 Conservation Biology (3-0).** Theory and practice of conservation biology with emphasis on the maintenance of species diversity, factors affecting extinction, genetic impacts of rarity, and practical management considerations, including design of reserves and captive breeding and release programs. Course meets concurrently with Biology 4301 but requires additional readings, papers, discussion, and/or presentations for graduate students.

Prerequisites: Biology 1480, 3301, or consent of instructor.

**\*BIO 5401 Ornithology (3-3).** A study of the biology of birds, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas birds. Course meets concurrently with Biology 4401 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 2402 or equivalent. Permission of Graduate Advisor and Graduate Dean.

**\*BIO 5402 Mammalogy (3-3).** A study of the biology of mammals, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas mammals. Course meets concurrently with Biology 4402 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 2402 or equivalent. Permission of Graduate Advisor and Graduate Dean.

**\*BIO 5404 Herpetology (3-3).** A study of the biology of amphibians and reptiles, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas amphibians and reptiles. Course meets concurrently with Biology 4404 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 2402 or equivalent. Permission of Graduate Advisor and Graduate Dean.

**\*BIO 5421 Developmental Biology (3-3).** A study of the molecular and genetic mechanisms regulating the development of animals. Specific topics include gametogenesis, embryogenesis, and tissue development. Laboratory explores the development of various invertebrate and vertebrate model organisms and emphasizes the application of techniques used with these model systems. Course meets concurrently with Biology 4421 but requires additional readings, papers, discussion, and/or presentations for graduate students.

Prerequisites: Biology 3301 and 3403.

**\*BIO 5423 General Physiology (3-3).** An advanced course in fundamentals of vertebrate physiology emphasizing functions of molecular levels of activity. Laboratory exercises combine animal surgery, biochemical techniques, and electronic instrumentation. Course meets concurrently with Biology 4423 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 2402 and 2423 or consent of instructor. Permission of Graduate Advisor and Graduate Dean.

**\*BIO 5435 Plant Taxonomy (3-3).** Laboratory and field studies emphasize the use of a dichotomous key using flowering plants of the Concho Valley as topics of study and recognition of the major families of flowering plants. Lecture emphasis is on current problems in plant taxonomy and systematics. (Credit for both RWM 4435 and Biology 5435 cannot be awarded.) Course meets concurrently with Biology 4435 but requires additional readings, papers, discussions and/or presentations for graduate students.

Prerequisites: Permission of Graduate Advisor and Graduate Dean.

**\*BIO 5441 Parasitology (3-3).** A study of the anatomy, life cycles, ecology, diseases, diagnosis, and treatment of protozoa, helminths, and arthropods parasitic in man. Course meets concurrently with Biology 4441 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 1480 and 2402, or 2423 and 2424. Permission of Graduate Advisor and Graduate Dean.

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\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

**\*BIO 5443 Invertebrate Zoology (3-3).** A survey of major invertebrate phyla with emphasis on the classes of Cnidarians, Annelids, Mollusks, Arthropods, and Echinoderms. Particular attention will be given to phylogenetic relationships and natural history. Course meets concurrently with Biology 4443 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 2402 or equivalent. Permission of Graduate Advisor and Graduate Dean.

**\*BIO 5444 Vertebrate Zoology (3-3).** An intensive study of the living groups of vertebrates from agnathans through mammals with emphasis on functional anatomy, phylogeny, and natural history. Laboratory will emphasize comparative vertebrate anatomy. Course meets concurrently with Biology 4444 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 2402 or equivalent. Permission of Graduate Advisor and Graduate Dean.

**\*BIO 5450 Molecular Biology (3-4).** A study of the synthesis, function, and regulation of biologically important macromolecules (DNA, RNA, and proteins). Laboratory exercises are designed to develop skills with standard techniques in molecular biology such as electrophoresis, PCR, recombinant DNA technology, DNA sequencing, and bioinformatics. Course meets concurrently with Biology 4450 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 3301 and 3403. Permission of Graduate Advisor and Graduate Dean.

**BIO 6171 Seminar in Science Teaching (1-0).** Weekly seminar will involve discussion of current methods of teaching in the life sciences. Students will also gain practical experience as group facilitators in one of the lecture sections of Biology 1480. Must have permission of instructor to enroll.

**BIO 6181 Seminar (1-0).** A review of the literature and current research in various biological fields. (May be repeated once for credit when topic varies.)

**BIO 6191, 6291, 6391 Research.** Individual research problems. (May be repeated to a total of six semester hours credit.) Approval from the Chair of the Department is required prior to enrollment.

**BIO 6301 Biometrics and Experimental Design (3-0).** An examination of statistical methods used in biological research. Emphasis will be on the application of statistical procedures and the design of experiments. This course will include an overview of more complex statistical procedures including multivariate methods, randomization tests, and resampling techniques.

Prerequisite: Biology 4480 or equivalent.

**BIO 6302 Advanced Biology (3-0).** A study of the basic principles of biology and levels of organization from the molecule to the community.

**BIO 6304 Advanced Instructional Methods in Science Education (3-0).** Addresses current teaching strategies, curriculum design, evaluation, and trends/issues in science education. Participants will explore a variety of topics relevant to the teaching and learning of science in the secondary and post-secondary classroom.

**BIO 6330 Scientific Writing (3-0).** The study and practice of all aspects of scientific writing skills. This will include the preparation and critical review of manuscripts, notes, abstracts, grant applications, reports and research presentations.

**BIO 6342 Advanced Genetics (3-0).** The study of recent advances in genetics with an emphasis on modern methods of analysis and applications such as genetic testing, gene therapy, genetic engineering, and forensic genetics.

Prerequisite: Biology 3301 or equivalent.

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\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

## Biology

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**BIO 6351 Evolutionary Ecology (3-0).** An examination of theoretical models and empirical studies of life history and foraging strategies, competition, predation, mate choice, parental care, community structure, and other topics in ecology.

**BIO 6353 Limnology (2-3).** An examination of the physical-biological interactions in aquatic ecosystems. Emphasis will be placed upon the composition, variation, and dynamics of fresh water communities.

**BIO 6354 Physiological Ecology (3-0).** A comparative study of the anatomical and physiological adaptations associated with thermoregulation, food, water, and oxygen deprivation. Problems related to adaptation and the maintenance of homeostasis will be stressed.

**BIO 6381 Special Topics (3-0).** Selected topics in advanced biology. (May be repeated once for credit when topic varies.)

**BIO 6399 Thesis.** A total of six hours is required for thesis. This course must be repeated once. Students have the option of enrolling in Biology 6699 to fulfill the thesis requirement in one semester.

**BIO 6411 Microbial Ecology (3-3).** A study of the interrelationships of microorganisms in nature and their impact on macroorganisms. Topics will include but not be limited to antibiosis, biofilm formation, co-evolution, normal microbial flora of macroorganisms, competition, commensalism, succession, extreme environments, and growth rate. The laboratory will emphasize the isolation and identification of microorganisms from various ecological niches.

**BIO 6431 Principles of Biosystematics (3-2).** An examination of the principles and problems of systematics. The course will include an investigation of major classification systems and an examination of the literature and tools of systematics.

**BIO 6699 Thesis.** A total of six hours is required for thesis credit. Students have the option of enrolling in Biology 6399 for two separate semesters in order to fulfill the six hour thesis requirement.



**College of Business: Department of Security Studies and Criminal Justice**

**Department Chair: Robert S. Ehlers**

**Program Advisor: Robert S. Ehlers**

**Email: robert.ehlers@angelo.edu**

**Office: Hardeman Building, Room 202**

**Telephone: (325) 486-6682, Fax: (325) 942-2544**

**Faculty: Phelps.**

### **Master of Science (M.S.) Border Security**

The Master of Science in Border Security is a distinctive online degree addressing the growing needs of Homeland Security and Law Enforcement personnel who face an ever changing world of transnational crime and terrorism. It incorporates theoretical and practical studies of the key fields of critical infrastructure, intelligence, terrorism, counter-terrorism, law, and associated constitutional issues and emergency management as they are applicable to the field of Homeland Security and specifically those concerns associated with border issues. The Master of Science in Border Security degree is open to all those with Bachelor's degrees, and is especially appropriate to those holding degrees in related subjects, such as criminal justice, law enforcement, emergency management, criminology, and related fields. The program consists of 15 semester hours of core courses, 18 hours of electives, and a 3 semester hour capstone course to tie together all aspects of a student's program.

#### **Admission Requirements**

All applicants for the Master of Science in Border Security program must hold a bachelor's degree from an accredited college or university. All potential graduate students are evaluated on an individual basis. All potential graduate students must submit all related materials requested in the evaluation criteria. The evaluation criteria include the following:

- Undergraduate academic record (transcripts of all undergraduate course work);
- 2.75 undergraduate GPA or 3.00 in the last 60 hours of undergraduate course work;
- At least two letters of recommendation;
- An essay of no more than 750 words regarding your opinion of the single most important challenge to U.S. homeland security written in endnote or footnote format. Outside sources may be used.

#### **Degree Requirements**

<b>Required Courses:</b>	<b>Hours</b>
BOR 6301 Seminar in Homeland Security . . . . .	3
BOR 6302 Introduction to Geographic Information Systems. . . . .	3
BOR 6334 Research Methods and Statistics . . . . .	3
BOR 6355 National Security Policy . . . . .	3
BOR 6387 Seminar in Criminal Justice Agency Ethics . . . . .	3
BOR 6389 Capstone Seminar in Border Security . . . . .	3

<b>Electives:</b>	<b>Hours</b>
Border Security Electives . . . . .	18

Border Security

Certificates Available in Border Security

All graduate certificate programs require an overall 3.00 grade point average and a grade of at least a "B" in each required class. All course work for certificates must be taken in-residence; transfer credits from other institutions will not apply towards certificate programs.

Certificate - Border Security

(12 SCH required)

The following 9 SCH are required.

BOR 6310 Seminar in Port, Border, and Coastal Security . . . . .3

BOR 6311 Transportation Security . . . . .3

BOR 6320 Studies in Terrorism . . . . .3

Select 3 SCH from the following:

BOR 6301 Seminar in Homeland Security . . . . .3

BOR 6302 Introduction to Geographic Information Systems. . . . .3

BOR 6340 Constitutional Issues in Homeland Security. . . . .3

BOR 6341 Advanced Studies in International Police Development . . . . .3

BOR 6355 National Security Policy . . . . .3

Certificate - Emergency Management

(12 SCH required)

The following 9 SCH are required.

BOR 6322 Chemical, Biological, Radiological, and Nuclear Hazards and Responses . . . . .3

BOR 6330 Studies in Disaster Preparedness . . . . .3

BOR 6331 Seminar in Emergency Planning . . . . .3

Select 3 SCH from the following:

BOR 6301 Seminar in Homeland Security . . . . .3

BOR 6302 Introduction to Geographic Information Systems. . . . .3

BOR 6340 Constitutional Issues in Homeland Security. . . . .3

BOR 6341 Advanced Studies in International Police Development . . . . .3

BOR 6355 National Security Policy . . . . .3

Certificate - Transnational Crime Studies

(12 SCH required)

The following 9 SCH are required.

BOR 6304 Advanced Studies in Transnational Crime . . . . .3

BOR 6305 Advanced Studies in Human Trafficking . . . . .3

BOR 6306 Advanced Studies in International Drug Trafficking . . . . .3

Select 3 SCH from the following:

BOR 6301 Seminar in Homeland Security . . . . .3

BOR 6302 Introduction to Geographic Information Systems. . . . .3

BOR 6340 Constitutional Issues in Homeland Security. . . . .3

BOR 6341 Advanced Studies in International Police Development . . . . .3

BOR 6355 National Security Policy . . . . .3



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### Courses in Border Security (BOR)

**BOR 6301 Seminar in Homeland Security (3-0).** In conjunction with an analysis of current Homeland Security topics, students apply theoretical concepts of target identification and risk evaluation to develop risk mitigation plans, which are jointly critiqued by their classmates. Students consider various natural and man-made disasters and potential disasters, from an all-hazards perspective. Practical application of open source intelligence to risk analysis and mitigation is a key component of this course. (Credit may not be earned for this course and Criminal Justice 6301.)

**BOR 6302 Introduction to Geographic Information Systems (3-0).** Geographic Information Systems (GIS) contain a powerful set of tools for data acquisition, management, query, and display. This course provides students with a substantial foundation in the history of cartography and mapmaking. A second major emphasis of this course will merge both theoretical and historical information with hands-on practical training utilizing the basic tools provided with GIS software. Students will become familiar with the importance of metadata, as well as editing and updating metadata and how this is important to the success or failure of the dataset as a whole. (Credit may not be earned for this course and Criminal Justice 6302.)

**BOR 6304 Advanced Studies in Transnational Crime (3-0).** Globalization touches all aspects of an ever more interconnected world - never more so than in criminal organizations. The study of the morphology of transnational criminal organizations of all types is key to understanding the future of organized and international crime and the associated legal and practical efforts to counter future trends. Through differentiation of historical and contemporary patterns, modus operandi, capabilities, and vulnerabilities of transnational criminals and organizations, students develop crime interdiction proposals and critique the proposals of other students, through a Socratic process. (Credit may not be earned for this course and Criminal Justice 6304.)

**BOR 6305 Advanced Studies in Human Trafficking (3-0).** This advanced course looks at the origins and current trends in trafficking of humans for profit. Whether it be to supply workers for the international sex trade, or the delivery of babies for adoption, the trafficking of humans destroys lives, families, and the very social fabric upon which societies are built. This course delves into the theoretical basis of the psychopathology behind human trafficking and the intense process of recovery that victims and their families need to recover from these crimes, help that is often lacking in even the most civilized societies. Students evaluate current events and develop theoretically and legally based responses to these crimes. (Credit may not be earned for this course and Criminal Justice 6305.)

**BOR 6306 Advanced Studies in International Drug Trafficking (3-0).** The international trafficking of illegal narcotics and other pharmaceuticals has been a global problem for over a century. From the Opium Wars of the 1800s to the current battles among drug cartels in Mexico, this course offers an in-depth analysis of the epidemic of drug abuse and its association with crime. Using open source intelligence, students evaluate the impact of current drug interdiction efforts by federal agencies. Students conduct online research, statistical analysis, development of viable programs and policies to reduce the current demand for illegal substances worldwide. They then argue in support of their positions to convince the remainder of the class of their program's viability. (Credit may not be earned for this course and Criminal Justice 6306.)

**BOR 6310 Seminar in Port, Border, and Coastal Security (3-0).** Ports of entry (ocean, land, and air) for trade are the primary focus of this seminar, and students evaluate the vulnerability of these ports of entry to disruption and attack. Applying risk management theory, students analyze critically current efforts to identify the vulnerabilities of ports and their associated transportation infrastructure. Preparation of risk mitigation proposals for implementation within the student's own community are presented to classmates for analysis and comment. Active participation and a thorough knowledge of the student's local transportation hubs are essential for a student to complete this course of instruction.

**BOR 6311 Transportation Security (3-0).** This course examines current and future threats to U.S. and international transportation systems and discusses methods and technologies designed to confront these threats. Coverage of relevant security issues relating to transportation by sea, land, pipeline, and air will be included.

## Border Security

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**BOR 6320 Studies in Terrorism (3-0).** This course discusses the politics of terrorism and counterterrorism in depth. Theoretical approaches to explain terrorism as a tactic are analyzed. Individual, group, and state terrorism are reviewed from a historical and political context. Students conduct an in-depth analysis of the U.S. response to the terrorist attacks of 9/11, the advent of the USA PATRIOT ACT and its impact on civil liberties, and the development of the Department of Homeland Security as a terrorist mitigation strategy. (Credit may not be earned for this course and Criminal Justice 6320.)

**BOR 6321 Seminar in Terrorism and Counterterrorism (3-0).** This seminar course applies the materials covered in CRIJ/BOR 6320 to a series of professor-directed discussions in which students examine new and growing terrorist threats worldwide. Subject matter varies based on current events and trends. Students use open source intelligence to conduct active analyses of terrorism events and develop potential responses by national and international counter-terrorism forces. (Credit may not be earned for this course and Criminal Justice 6321.)

Prerequisite: Criminal Justice 6320 or Border Security 6320.

**BOR 6322 Chemical, Biological, Radiological, and Nuclear Hazards and Responses (3-0).** This course for the non-scientist is a study of chemical, biological, radiological, and nuclear hazards associated with different forms of weapons of mass destruction as well as the routine manufacturing and transportation of these components to which we are exposed daily. The means by which disaster management specialists prepare for accidents and incidents involving these materials are covered in depth. Potential short and long term impacts of incidents and accidents are evaluated.

**BOR 6330 Studies in Disaster Preparedness (3-0).** Risk management theory, disaster management theory, and FEMA strategies are applied to reconstructions of past natural and man-made disasters. Students are tasked with carrying out intensive reevaluation of past efforts and development of enhancements that would improve future responses.

**BOR 6331 Seminar in Emergency Planning (3-0).** Effective emergency planning is the key to surviving natural and man-made disasters. Topics covered include threat identification and assessment, risk analysis, identification and protection of critical infrastructure, gathering and dissemination of intelligence, evaluation of open source intelligence, and utilization/manipulation of public media to enhance citizen response. A thorough understanding of chemical, biological, radiological, and nuclear hazards is essential for this course. Knowledge of risk management theory, disaster management theory, and a familiarization with FEMA response scenarios are necessary for students taking this course.

Prerequisites: Border Security 6322 and Border Security 6330.

**BOR 6334 Research Methods and Statistics (3-0).** The theory and application of social science research techniques and designs, coupled with a review of descriptive and graphical techniques; probability and sampling theory; the normal curve and statistical inference. (Credit may not be earned for this course and Criminal Justice 6334.)

**BOR 6340 Constitutional Issues in Homeland Security (3-0).** Taking Constitutional Law to the next level, students conduct in-depth analysis of court decisions that respond to ongoing efforts to address legislative efforts to secure the homeland in the face of a continued international terrorist threat. Additionally, students evaluate the legal basis for federal response to natural and man-made disasters and the impact of these responses to local sovereignty. Students taking this course are required to write extensive legal briefs. (Credit may not be earned for this course and Criminal Justice 6340.)

**BOR 6341 Advanced Studies in International Police Development (3-0).** Students use the comparative method to conduct critical analyses of ongoing efforts to develop police in other countries by the U.S., EU, UN, and other agencies. The role of military and non-military forces, coupled with their interaction with NGOs and local agencies, is evaluated. Developing measurement tools to use in conducting success evaluation is a key part of this course. (Credit may not be earned for this course and Criminal Justice 6341.)

**BOR 6343 Seminar in International Law (3-0).** Students discuss advanced principles and practices of international law and legal regimes. The course examines traditional and emerging topics in the field: human rights, the Law of the Sea, the Law of Armed Conflict, War Crimes Tribunals, and the International Criminal Court.

## Border Security

**BOR 6345 Seminar in Federal Immigration Law (3-0).** In this seminar course, the student analyzes Federal Immigration Laws dealing with border security issues, in particular U.S.C Title 8, Title 18, Title 19, Title 21, and Title 31. Students and the professor carry out active discussions of federal court and law enforcement agency implementation of immigration law (or lack thereof) and the associated domestic and international political ramifications of this implementation (or lack thereof). Students taking this course are expected to be able to produce properly formatted legal briefs and apply that knowledge to development of policy briefs concerning federal immigration law.

**BOR 6355 National Security Policy (3-0).** This course presents an overview of security policy issues as fundamental components of foreign policy. The course takes a narrow view of security policy and examines the topic from the direction of securing America's borders. The course combines historical description of security policy development, comparative analysis, and theoretical examination.

**BOR 6387 Seminar in Criminal Justice Agency Ethics (3-0).** The study of criminal justice without the concurrent study of justice is simply criminal. This course exposes students to the ethics (and lack thereof) of criminal justice agencies. Scenario evaluation, active discussion, and theoretically based argumentation and decision-making are all key components of this seminar. (Credit may not be earned for this course and Criminal Justice 6387.)

**BOR 6389 Capstone Seminar in Border Security (3-0).** This course is a research seminar in which students will develop skills in locating, extracting, evaluating, and synthesizing information acquired from their prior courses. Students write a publishable, article-length, paper based on independent research. Students may also be expected to supplement their research with other readings under the direction of the professor.



# Business Administration

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**College of Business: Department of Management and Marketing**

**Department Chair: Tom F. Badgett**

**Program Advisor: Carol Diminnie**

**E-mail: carol.diminnie@angelo.edu**

**Office: Rassmann Building, Room 204**

**Telephone: (325) 942-2383 ext. 230, Fax: (325) 942-2384**

**Graduate Faculty:** Badgett, Bankston, Butler, Chawla, DeCelles, Diminnie, Elenkov, Gaulden, Ghosh, Huang, Husein, Kara, Khanna, Pate, Pier, Rallo, Renforth, Shumway, Sunderman, Tomlin.

## Master of Business Administration (M.B.A.) Business Administration

The Master of Business Administration offered by the Department of Management and Marketing is a broad degree program that has as its objective the development and enhancement of knowledge valuable to executives, administrators, and managers in both the profit and nonprofit sectors of the economy.

Graduates of the M.B.A. program from the Department of Management and Marketing do not have a major in any specific discipline in business. Students are expected to complete a series of courses at the graduate level in accounting, marketing, management, finance, economics, decision analysis, legal and social environment, research methods, operations management and information systems. International business and business ethics are integrated throughout the M.B.A. curriculum.

The educational emphasis of the M.B.A. program is on organizational decision making. The program is appropriate for those pursuing or seeking a career at the executive level in both public and private organizations.

### Admission Requirements \*

The M.B.A. program in the Department of Management and Marketing is open to all applicants who hold the baccalaureate degree regardless of the field of undergraduate study. The program seeks students with diverse undergraduate backgrounds including the sciences, liberal arts, humanities, business, engineering, and education.

Students admitted to the M.B.A. program in the Department of Management and Marketing must complete the following undergraduate courses or their equivalents if these courses have not previously been completed within the last seven years with a grade of "B" or better. These courses are for leveling purposes only. Credit for these courses will not count toward the 39 hour program requirement.

- Accounting 2301 and 2302 or Accounting 5191 and 5192
- Economics 2301 and 2302, or Economics 5191 or Economics 6300
- Finance 3361 or Finance 5191
- Mathematics 1325
- Management 3300 or Management 5191
- Management Science 2331 (statistics) or Management Science 5191
- Marketing 3321 or Marketing 5191

Graduate students must complete the accounting courses listed above before taking the graduate-level accounting course, the undergraduate statistics course before the graduate-level decision analysis course, and so on. Concurrent enrollment in both graduate-level and undergraduate-level courses is permitted, as long as prerequisites are satisfied.

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\* Credit for 5000 level business area courses may not be used for degree requirements.

## Business Administration

The M.B.A. program in the Department of Management and Marketing consists of 39 semester credit hours of graduate courses normally taken in the order listed below. It is possible to pursue the degree on a full-time basis; however, almost all of the courses are offered during the evening hours only. Graduate courses must be at the 6000 level; undergraduate courses may not be used to satisfy the requirements for the M.B.A. program.

Course sequencing:

### Year 1

#### Fall

Decision Analysis  
(MSC 6301)  
Organizational Behavior  
(MGT 6311)

#### Spring

Managerial Economics  
(ECO 6311)  
Research Methods  
(BA 6303)

#### Summer

Operations Management  
(MGT 6312)  
Elective \*

### Year 2

#### Fall

Marketing Management  
(MKT 6301)  
Managerial Accounting  
(ACC 6301)

#### Spring

Financial Management  
(FIN 6301)  
Legal & Social  
Environment of Business  
(BA 6302)

#### Summer

Management Information  
Systems (MIS 6313)  
Elective \*

### Year 3

#### Fall

Corporate Strategies and  
Policies (MGT 6313 \*\*)

**Course load.** Part-time students are expected to enroll in six hours (two courses) per semester. In addition, part-time students are expected to enroll in one course per summer term. Written permission from the M.B.A. advisor is required in order to exceed these totals. Because of the intensity and level of the course work required, such permission will rarely be granted.

Full-time students will follow these same guidelines except that the expected load for each semester (except the final semester) is four courses or 12 semester hours.

**Course waivers.** Students may waive any required course in the M.B.A. curriculum except Management 6313. A graduate-level elective must be substituted for each course waived. Criteria for course waiver(s) include:

- having already completed at least nine semester hours of course work in the subject area of the requested waiver, i.e., economics or accounting;
- a grade point average of at least 3.00 in the courses used for the waiver request;
- at least one of the courses used as the basis of the waiver request must be at the junior level or higher; and
- courses used as the basis for the waiver request must have been completed no more than ten years before enrollment in the M.B.A. program.

An elective must be substituted for each course waiver in order to complete the 39 semester-hour minimum requirement.

All waivers must be obtained in writing from the graduate advisor during the first semester of enrollment.

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\* Electives are to be taken from the Department of Management and Marketing; Department of Accounting, Economics and Finance; or courses from Political Science and Security Studies. Electives taken outside these areas must be given prior approval in writing by the graduate advisor.

\*\* The Graduate M.B.A. Major Field test should be taken in conjunction with this course as a graduation requirement.

## Business Administration

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**Transfer work.** Up to nine semester credit hours of graduate credit completed prior to the date of first admission to the M.B.A. or M.PAc. degree program at Angelo State University may be transferred into the program. After the date of first admission to the M.B.A. or M.PAc. program, six semester hours may be transferred into the program only to fulfill elective requirements. The maximum total transfer credit is nine semester credit hours. The rest of the transfer policies of the College of Graduate Studies also apply.

All M.B.A. or M.PAc. students are required to take the Major Field Test (MFT) on the ASU campus as a graduation requirement. The MFT will normally be taken as part of the course requirements in Management 6313 Corporate Strategies and Policies.

### Courses in Business Administration (BA)

**BA 6302 Legal and Social Environment of Business (3-0).** Analysis of the role of business in contemporary society with emphasis on the legal, social, political, and regulatory factors affecting business.

**BA 6303 Research Methods (3-0).** Collection, analysis, and interpretation of both primary and secondary data for business decisions.

### Courses in International Business (IBUS)

**IBUS 6321 International Business (3-0).** International business environmental frameworks; trade and investment theories and institutions; multinational corporation policy, strategy, functional management, operations, and concerns.

### Courses in Management (MGT)

**\*MGT 5191 Independent Study in Organizational Behavior (1-0).** A specialized on-line course in Organizational Behavior which is required for students who need additional background study in the area. Credit may not apply towards MBA degree requirements. Grading for the course will be Pass (P), Fail (F).

Prerequisite: Permission of the Instructor.

**MGT 6311 Organizational Behavior (3-0).** A study of people in an organizational setting. Attention is given to behavioral theory, empirically derived knowledge, and application of this theory and knowledge. Students will participate in solving organizational problems through cases, experiential exercises, and/or simulations.

**MGT 6312 Operations Management (3-0).** A case-oriented examination of operations management. Topics include inventory management, MRP, production planning and scheduling, plant layout, process analysis, material flows, quality, project management, and service operations. Consideration of Japanese manufacturing techniques.

**MGT 6313 Corporate Strategies and Policies (3-0).** An advanced case course dealing with the wide range of management problems involving policy and strategy decisions faced by executives in both domestic and international markets. A capstone course that requires integration of all materials covered in the MBA curriculum in the policy formulation process.

Prerequisite: 24 graduate hours or final long semester of enrollment in the MBA program.

**MGT 6322 Government and American Business (3-0).** An examination of the interplay between American national, state, and local governments and American business. Topics of consideration include the historical changes in the relationship of government and business, the role of private enterprise in the federal grant-in-aid process, and the effect of government spending on business. Special focus will be given to government regulation of business. (Credit may not be earned for this course and Political Science 6322.)

**MGT 6332 Technology Commercialization and Management (3-0).** The study of the management techniques relating to the practical economic development of scientific and technological knowledge.

**MGT 6381 Special Topics (3-0).** A course dealing with selected topics in management. (May be repeated once for credit when topic varies.)

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\* Credit for 5000 level business area courses may not be used for degree requirements.

## Business Administration

**MGT 6391 Research.** A specialized course which may be directed reading or research for superior students. (May be repeated for credit when topic varies.)

### Courses in Management Information Systems (MIS)

**MIS 6313 Management of Information Systems (3-0).** Addresses the management of the information resources from a senior management viewpoint. Covers the use of information technology to achieve competitive advantage, information technology and the organization, managing information assets, outsourcing, information technology operations and management, and information technology as a business.

### Courses in Management Science (MSC)

**\*MSC 5191 Independent Study in Statistics (1-0).** A specialized on-line course in Statistics which is required for students who need additional background study in the area. Credit may not apply towards MBA degree requirements. Grading for the course will be Pass (P), Fail (F).

Prerequisite: Permission of the Instructor.

**MSC 6301 Decision Analysis (3-0).** A study of statistical methodology and the application of statistics in business and economics. Includes descriptive and inferential techniques for decision analysis. Personal computers are used in analyzing decision data and presenting results.

**MSC 6319 Forecasting Theory (3-0).** The study of forecasting methods including exponential smoothing, decomposition, regression, and judgmental techniques. The use of forecasts in managerial planning and decision making.

Prerequisite: Management Science 6301 or consent of instructor.

### Courses in Marketing (MKT)

**\*MKT 5191 Independent Study in Marketing (1-0).** A specialized on-line course in Marketing which is required for students who need additional background study in the area. Credit may not apply towards MBA degree requirements. Grading for the course will be Pass (P), Fail (F).

Prerequisite: Permission of the Instructor.

**MKT 6301 Marketing Management (3-0).** An analysis of the marketing management process for all types of organizations. Included are the topics of (1) planning marketing activities, (2) directing the implementation of the plans, and (3) controlling marketing plans.

**NOTE:** Course descriptions for Accounting 6301, Economics 6311, and Finance 6301 may be found in the Accounting Section.



\* Credit for 5000 level business area courses may not be used for degree requirements.

# **Coaching, Sport, Recreation, and Fitness Administration**

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**College of Health and Human Services: Department of Kinesiology**

**Department Chair: Steven R. Snowden**

**Program Advisor: Warren K. Simpson**

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**Telephone: (325) 942-2173 ext. 237, Fax: (325) 942-2129**

**Graduate Faculty:** Byars, Carter, Keith, Price, Simpson, Snowden.

## **Master of Education (M.Ed.)**

### **Coaching, Sport, Recreation, and Fitness Administration**

#### **Program Description**

The Master of Education degree in Coaching, Sport, Recreation, and Fitness Administration in the Department of Kinesiology is designed to fill the needs of a wide variety of students. These students may potentially come from across the array of undergraduate majors who choose to seek entry into coaching, sport recreation, and fitness administration career fields. The program is designed to:

- Increase the knowledge and competencies of each graduate student in his/her chosen area of specialization.
- Foster a spirit of inquiry by encouraging original and independent thought.
- Acquaint each graduate student with techniques of reading, understanding, and performing research.
- Foster intellectual, professional, and personal development through a wide range of applied courses, activities, opportunities, and experiences.
- Provide developmental experiences in program design, program implementation, program promotion, and organizational communication.
- Develop professional oral and written communication skills.
- Encourage graduate students to become actively involved in their communities and professional fields.

This is a 36 semester credit hour program. Students are required to take:

- Required core courses, 12 semester credit hours,
- Option 1 or Option 2, 12 semester credit hours,
- Open electives courses for either option, 12 semester credit hours.

#### **Instructional Delivery**

The M.Ed. in Coaching, Sport, Recreation, and Fitness Administration degree program is not a purely on-line or classroom based format, but rather a blended format. Almost all courses utilize Blackboard as the course management platform, thus requiring students to connect to the Internet to access various course materials and/or complete various course assignments. However, most relevant student learning outcomes will be addressed via face-to-face instructional sessions at the Angelo State University campus in San Angelo.

#### **Admission Criteria**

All applicants for the Master of Education degree must hold a bachelor's degree from a regionally accredited college or university. All potential graduate students are evaluated on an individual basis. All potential graduate students must submit all related materials requested in the evaluation criteria. The evaluation criteria include the following:

- undergraduate academic record (transcripts of all undergraduate course work);
- a writing sample (which should include three paragraphs explaining (a) why you want to be accepted into the program, (b) what you will bring to the program, and (c) what you expect to get out of the program);
- three letters of recommendation (addressing character, abilities, and potential);
- a personal resume (used to evaluate pre-professional competencies); and
- a personal interview.

# **Coaching, Sport, Recreation, and Fitness Administration**

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## **Background Preparation Admission Formula \***

While interdisciplinary in nature, and accepting candidates with a variety of undergraduate academic degrees, the Master of Education program in Coaching, Sport, Recreation, and Fitness Administration is highly applied. Thus, entering graduate students need strong foundations in several competency areas. Students lacking all or part of these recommended prerequisite competencies may still enroll in the program under provisional admission status. Students will then master these competencies, within the program curriculum by completing appropriate course work in all deficient content areas. Admission requires adequate preparation in a minimum of 67% of the areas listed below. These prerequisites may be met in a number of ways such as: through academic coursework, listed experiences on a resume, and/or statements in letters of recommendation. They include:

- Fitness or Wellness related Certifications
- Human Anatomy
- Human Resources
- Communication Skills
- Management, Marketing and/or Business
- Technology and/or Design (art, photography, computer utilization)
- Leadership
- Programming
- Research and Evaluations
- Human Performance/Athletics

## **Departmental Endorsement**

Requirements for the evaluation of all prospective students for admission into the Master of Education in Coaching, Sport, Recreation, and Fitness Administration includes: (a) submission of a resume, (b) three letters of recommendation, from professional sources qualified to evaluate the individual's abilities and potential, (c) a written statement of purpose and goals, and (d) a personal interview with the program director, or designated program representative or committee. Subsequent to the personal interview and a review of previously completed academic work, prospective students may be recommended for admission. Positive recommendation by the program director or departmental graduate faculty committee is required for admission. Official notification of admission (or denial of admission) will be communicated by the office of Graduate Studies. Subsequent to successful completion of any additional required coursework, related to competency development, the program director may consider recommending the student for complete admission. A maximum of nine hours toward the degree may be taken prior to completion of all competency development coursework.

## **Retention and Graduation**

All Coaching, Sport, Recreation, and Fitness Administration graduate students will have their academic progress reviewed by a departmental faculty committee upon completion of each block of 6 semester hours of graduate coursework. At this time any student found to be lacking in communication skills, oral or written, or other basic professionally related competencies can be assisted by faculty to improve their limitations and achieve their career goals. Additionally, all graduate students are required to join and maintain membership, and participate, in an approved professional association during their tenure as a departmental graduate student. This will set a foundation for their total involvement in pre-professional development toward career goals by seeing professionals in action.

## **Comprehensive Exam**

Oral exams and portfolio evaluation formats are developed and administered by the student's comprehensive exam committee. The student's comprehensive exam and evaluation committee is composed of a minimum of three Coaching, Sport, Recreation, and Fitness Administration faculty members. The student must complete the oral exam before the third week preceding the end of the desired semester of graduation. Any deficiencies identified through oral exam must be removed before the student will be recommended for graduation.

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\* NOTE: The Graduate Record Examination (GRE) is not required for admission to the Coaching, Sport, Recreation, and Fitness Administration master's degree..

# Coaching, Sport, Recreation, and Fitness Administration

## Degree Plan

### Master of Education in Coaching, Sport, Recreation, and Fitness Administration

Required Core Courses	Hours
CSRF 6310 Sociology for Sport, Fitness, and Recreation. . . . .	3
CSRF 6351 Statistics and Survey Research. . . . .	3
CSRF 6392 Professional Communications. . . . .	3
CSRF 6394 Applied Research/Professional Project . . . . .	3

Graduate students will take 12 semester credit hours related to their chosen program concentration, Option 1: Coaching/Sport Administration or Option 2: Recreation/Fitness Administration.

**Option 1: Coaching/Sport Administration (Choose 4 courses)**

CSFR 6304 Coaching Psychology. . . . .	3
CSFR 6325 Philosophy and Ethics in Sport, Fitness, and Recreation . . . . .	3
CSRF 6326 Coaching Administration. . . . .	3
CSRF 6329 Athletic Academic Advising/Counseling. . . . .	3
CSRF 6346 Human Kinetics . . . . .	3

**Option 2: Recreation/Fitness Administration (Choose 4 courses)**

CSRF 6316 Sport, Fitness, and Recreation Administration. . . . .	3
CSRF 6319 Outdoor Education and Summer Camp Administration . . . . .	3
CSRF 6324 Sport, Fitness, and Recreation for Special Populations . . . . .	3
CSRF 6349 Behavioral Strategies for Health and Fitness . . . . .	3
CSRF 6357 Health and Wellness Promotion. . . . .	3

**Open elective courses for either option (Choose 4 courses) \***

CSRF 6301 Instructional Strategies and Techniques. . . . .	3
CSRF 6322 Administration of Special Events . . . . .	3
CSRF 6331 Risk Management in Sport, Fitness, and Recreation . . . . .	3
CSRF 6335 Leadership Applications . . . . .	3
CSRF 6356 Nutrition for Sport and Fitness . . . . .	3
CSRF 6381 Special Topics . . . . .	3
CSRF 6393 Independent Research and Reading . . . . .	3
CSFR 6395 Applied Research/Professional Project Renewal . . . . .	3

Total . . . . .	36
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### Course Information

Applied Research taken by second year graduate students, in their second fall semester of attendance, so their work may have the opportunity to be incorporated into the campus student research presentation program held every fall.

The Independent Research and Readings class may be added in any semester when an opportunity or need arises for a student to participate in an outside educational experience.

The Professional Project Renewal class can be offered any semester needed for students to complete their Applied Research project.

An appropriate Special Topics course can be designed and added for any semester.

\* Open electives may also include classes in each block not previously taken.

# Coaching, Sport, Recreation, and Fitness Administration

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## Courses In Coaching, Sport, Recreation, and Fitness (CSRF)

**CSRF 6301 Instructional Strategies & Techniques (3-0).** Pedagogical strategies appropriate for sport, fitness and recreational settings will be emphasized. Variables that influence learner behavior and approaches to optimize instructor effectiveness will be addressed.

**CSRF 6304 Coaching Psychology (3-0).** An overview of the principles and foundations of psychological factors related to the coaching profession will be provided. Emphasis will be on the importance for coaches to apply sport psychology concepts in an effort to enhance athletic performance.

**CSRF 6310 Sociology for Sport, Fitness, and Recreation (3-0).** This course provides a critical analysis of sociological trends related to sport, fitness and recreational programs.

**CSRF 6316 Sport, Fitness, and Recreation Administration (3-0).** An overview and analysis of components related to the administration within the sports, fitness, and recreation fields will be provided.

**CSRF 6319 Outdoor Education and Summer Camp Administration (3-0).** The focus of this course will be on acquiring administrative skills related to outdoor education programming. This course will require an off campus practical experience. (Additional lab fees are required.)

**CSRF 6322 Administration of Special Events (3-0).** A course that addresses the competencies necessary to successfully plan, market and implement special activities related to sport, fitness, and recreation.

**CSRF 6324 Sport, Fitness, and Recreation for Special Populations (3-0).** This course will address programming considerations for special populations who engage in sport, fitness, and recreational activities.

**CSRF 6325 Philosophy and Ethics in Sport, Fitness, and Recreation (3-0).** A critical examination of philosophical perspectives and ethical issues pertinent to the administration, management, and development of sports, fitness, and recreational programs will be provided.

**CSRF 6326 Coaching Administration (3-0).** This course provides an extensive overview of responsibilities, duties, and behaviors within the coaching profession.

**CSRF 6329 Athletic Academic Advising/Counseling (3-0).** This course provides an extensive overview of the processes and systems utilized in advising and counseling student athletes in collegiate settings.

**CSRF 6331 Risk Management in Sport, Fitness, and Recreation (3-0).** This course addresses the major legal issues, policies, and procedures confronting the fields of sport, fitness, and recreation.

**CSRF 6335 Leadership Applications (3-0).** Emphasis will be placed on venture dynamics programs and activities used to develop leadership and work group cohesion. Course includes an additional 50 hours instructor endorsement training and workshops/lab with additional departmental lab fees.

**CSRF 6346 Human Kinetics (3-0).** An overview of kinesiology including: exercise physiology, motor behavior, and biomechanics related to sport preparation and human performance.

**CSRF 6349 Behavioral Strategies for Health and Fitness (3-0).** An examination of theoretical issues and strategies related to understanding and influencing health behavior change.

**CSRF 6351 Statistics and Survey Research (3-0).** This course serves as an introduction to the design and interpretation of research. Emphasis will be on the construction, administration, and analyses of survey data culminating in the presentation of research findings.

**CSRF 6356 Nutrition for Sport and Fitness (3-0).** This course provides an overview of the essential components of nutrition in relation to health, fitness, and sport performance.

## Coaching, Sport, Recreation, and Fitness Administration

**CSRF 6357 Health and Wellness Promotion (3-0).** Emphasis will be on planning, developing, and evaluating a comprehensive health and wellness promotion program. Additionally, major health issues in the United States will be discussed.

**CSRF 6381 Special Topics (3-0).** A study of selected topics in sport, fitness, or recreation will be provided. (May be repeated once for credit when topic varies)

**CSRF 6392 Professional Communication (3-0).** A course that addresses the written, oral, and technology-enhanced forms of communication required for professionals in sport, fitness, and recreational settings.

**CSRF 6393 Independent Research and Readings (3-0).** Individual research or directed readings based on graduate students' interests and career goals will be designed. (May be repeated once for credit.)

Prerequisite: Prior approval of instructor and program director required.

**CSRF 6394 Applied Research/Professional Project (3-0).** In this course, graduate student will develop an individualized professional project by conducting a research study or developing a policy/procedures manual related to sport, fitness, or recreational professions.

**CSRF 6395 Applied Research/Professional Project Renewal (3-0).** All graduate students who, after registering for CSRF 6394, fail to complete their research of professional project by the end of the academic semester must register for this course every succeeding semester until completion of the project.



**College of Arts and Sciences:****Department of Communication, Mass Media, and Theatre****Department Chair: Shawn T. Wahl****Program Advisor: Shawn T. Wahl****E-mail: [shawn.wahl@angelo.edu](mailto:shawn.wahl@angelo.edu)****Office: Library Building, Room B308****Telephone: (325) 942-2031, Fax: (325) 942-2551****Graduate Faculty:** Boone, Collins, Johnson, Pacheco, Simmons, Smith, Wahl.

### **Master of Arts (M.A.) Communication**

The Master of Arts in Communication degree prepares students for various communication positions within organizations including media industries, careers in higher education, or continued study toward the Ph.D. degree. The department also offers courses which may be used as electives in other graduate programs.

#### **Admission Requirements**

The requirements for admission to the Graduate School are located on [\(page 10\)](#) and the general degree requirements for the M.A. in Communication are listed below.

#### **General Degree Requirements**

All students enter the program with non-thesis degree plans. After completing 9 semester credit hours of communication graduate coursework, students who wish to do so may petition the communication graduate faculty through the graduate advisor to change to a thesis degree plan.

The total number of hours required for the program leading to the Master of Arts in Communication is 36 for the thesis option and 36 for the non-thesis option. Students in the Master of Arts in Communication program may take only 6000-level course work for their degree plan.

All non-thesis degree candidates are required to pass a comprehensive examination. The comprehensive examination will include all the communication core courses required on the student's degree plan (Communication 6302, 6303, 6304, and 6312) in addition to any graduate communication electives completed prior to the semester in which the comprehensive examination is administered. The comprehensive examination should be administered when the student is in the last semester of his/her program.

Thesis option students shall complete an oral thesis defense which may include questions regarding their course work.



# Communication

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All degree candidates must take a prescribed core requirement of 12 graduate hours in Communication consisting of:

- Communication 6302 Quantitative Research Methods
- Communication 6303 Communication Theory
- Communication 6304 Introduction to Graduate Studies in Communication
- Communication 6312 Qualitative Research Methods

Thesis students: 6 hours of thesis (Communication 6399 Thesis twice or Communication 6699 Thesis).

## Thesis Option

The student must complete a minimum of 36 semester credit hours of graduate work, including:

- the 12 hour communication core,
- 12 additional graduate hours in communication,
- 6 graduate elective hours taken from communication or approved electives,
- 6 hours of thesis (Communication 6399 Thesis twice, or Communication 6699 Thesis).

## Non-Thesis Option

The student must complete a minimum of 36 semester credit hours of graduate work, including:

- the 12 hour communication core,
- 18 additional graduate hours in communication,
- 6 graduate elective hours taken from communication or approved electives.

**Electives.** Students may take up to six hours of electives outside the department in consultation with the Communication Graduate Advisor.

**Transfer Credits.** Transfer students will be admitted to the program, but no more than six hours of 6000-level graduate credit work toward the graduate degree may be transferred from another institution. All transferred work must be equivalent to either the communication graduate classes or approved elective classes for this program. Students may apply for transfer credit through the program advisor and Graduate Dean.

## Courses in Communication (COMM)

**COMM 6300 Communication and Design (3-0).** This course will apply communication theories of design and persuasion while introducing communication software packages.

**COMM 6301 Teaching Communication in Higher Education (3-0).** A course designed to prepare students to teach communication courses in higher education and other professional environments. This course is required for Graduate Teaching Assistants but all students are welcome. It can be taken concurrently with a teaching assignment.

**COMM 6302 Quantitative Research Methods (3-0).** A course to familiarize the student with the types of research and related statistical tools for the communication professional.

**COMM 6303 Communication Theory (3-0).** An overview of interpersonal, organizational, and mass communication theories impacting the design and maintenance of communication systems.

**COMM 6304 Introduction to Graduate Studies in Communication (3-0).** A review of core literature in communication studies.

**COMM 6305 Organizational Communication (3-0).** Cultural, organizational, and interpersonal issues in communication.

## Communication

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**COMM 6306 Legal and Ethical Issues in Communication (3-0).** Issues and concerns of the communication professional including: communication law, copyright law, technological innovations, instructional/educational paradigms, organizational policies, and application of ethics in communication.

**COMM 6307 Communication and Information Diffusion (3-0).** A survey of the methods of information diffusion with emphasis on the philosophical, legal, psychological, and ethical issues of message diffusion in the workplace and in society. The class uses case studies which highlight the movement of technologies through populations.

**COMM 6308 Small Group Communication (3-0).** The concepts, theories, and decision making techniques involved in small group communication.

**COMM 6312 Qualitative Research Methods (3-0).** An introduction to qualitative research methods. The course will cover historical and critical analysis, discourse and conversation analysis, ethnography, and analysis of narrative and myth.

**COMM 6313 Rhetorical Analysis (3-0).** An introduction to rhetorical analysis. Persuasive texts along with persuasive tools will be covered. Fundamental theories of persuasion, influence, and social movements will be introduced along with implications for communication studies.

**COMM 6314 Intercultural Communication (3-0).** An examination of communication dynamics in diverse societies and between different cultural communities. The interactions among communication, culture, and identity are explored within historical and contemporary perspectives.

**COMM 6315 Race, Gender and the Media (3-0).** This course investigates the role of race, ethnicity, gender and culture in a variety of media contexts.

**COMM 6316 Interpersonal Communication (3-0).** The study of human dyadic interaction, including topics such as perception processes, verbal/nonverbal communication, theoretical models of communication, conflict, and interpersonal communication in various relationships.

**COMM 6371 Internship.** Students gain on-the-job experience working in a business or industrial setting.

**COMM 6381 Special Topics (Current Issues) (3-0).** Selected readings in communication. (May be repeated once for credit when topic varies.)

**COMM 6391 Research.** Directed readings or individual research projects. (May be repeated once.)

**COMM 6399 Thesis.**

**COMM 6699 Thesis.**

# Criminal Justice

**College of Business: Department of Security Studies and Criminal Justice**

**Department Chair: Robert S. Ehlers**

**Program Advisor: Robert S. Ehlers**

**E-mail: robert.ehlers@angelo.edu**

**Office: Hardeman Building, Room 202**

**Telephone: (325) 486-6682, Fax: (325) 942-2544**

**Graduate Faculty: Lee, Koenigsberg, Phelps.**

## Master of Science (M.S.) Criminal Justice

The Department of Security Studies and Criminal Justice offers graduate course work leading to the Master of Science degree in Criminal Justice. The M.S. program is designed for persons interested in pursuing deeper knowledge of U.S. Criminal Justice policies and practices beyond the baccalaureate level. The M.S. in Criminal Justice degree is open to all those with Bachelor's degrees and is especially appropriate for practitioners pursuing promotional opportunities. Anyone preparing for federal, state, and local agency employment, or currently working in the field, should find this program accommodating to their schedules as, initially, the program will be completely online. The Master of Science in Criminal Justice program is supported by a comprehensive collection of journals, books, and government documents relating to the numerous facets of criminal justice policy, leadership, and research.

### Admission Requirements

All applicants for the Master of Science degree in Criminal Justice program must hold a bachelor's degree from an accredited college or university. All potential graduate students are evaluated on an individual basis. All applicants must submit the following materials and meet the admission criteria as indicated:

- Undergraduate academic record (transcripts of all undergraduate course work);
- 2.75 undergraduate GPA or 3.00 in the last 60 hours of undergraduate course work;
- At least two letters of recommendation;
- An essay of no more than 750 words regarding your opinion of the single most important challenge to 21st Century Criminal Justice written in endnote or footnote format. Outside sources may be used.

### Degree Requirements

Students must confer with the graduate advisor before registering for any courses. The 36-semester-hour curriculum includes the following three categories:

<b>Required Core Courses:</b>	<b>Hours</b>
CRIJ 6330 Critical Analysis of Justice Administration. . . . .	3
CRIJ 6332 Criminal Justice Theory . . . . .	3
CRIJ 6334 Research Methods and Statistics . . . . .	3
CRIJ 6339 Police in Society . . . . .	3
CRIJ 6372 Seminar in Corrections. . . . .	3
CRIJ 6387 Seminar in Criminal Justice Agency Ethics . . . . .	3
CRIJ 6389 Capstone Seminar in Criminal Justice . . . . .	3
CRIJ 6393 Legal Aspects of the Criminal Justice System. . . . .	3

<b>Electives:</b>	
Twelve semester credit hours (four courses) of criminal justice electives. . . . .	12

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## Courses in Criminal Justice (CRIJ)

**CRIJ 6301 Seminar in Homeland Security (3-0).** In conjunction with an analysis of current Homeland Security topics, students apply theoretical concepts of target identification and risk evaluation to develop risk mitigation plans, which are jointly critiqued by their classmates. Students consider various natural and man-made disasters and potential disasters, from an all-hazards perspective. Practical application of open source intelligence to risk analysis and mitigation is a key component of this course. (Credit may not be earned for this course and Border Security 6301.)

**CRIJ 6302 Introduction to Geographic Information Systems (3-0).** Geographic Information Systems (GIS) contain a powerful set of tools for data acquisition, management, query, and display. This course provides students with a substantial foundation in the history of cartography and mapmaking. A second major emphasis of this course will merge both theoretical and historical information with hands-on practical training utilizing the basic tools provided with GIS software. Students will become familiar with the importance of metadata, as well as editing and updating metadata and how this is important to the success or failure of the dataset as a whole. (Credit may not be earned for this course and Border Security 6302.)

**CRIJ 6304 Advanced Studies in Transnational Crime (3-0).** Globalization touches all aspects of an ever more interconnected world - never more so than in criminal organizations. The study of the morphology of transnational criminal organizations of all types is key to understanding the future of organized and international crime and the associated legal and practical efforts to counter future trends. Through differentiation of historical and contemporary patterns, modus operandi, capabilities, and vulnerabilities of transnational criminals and organizations, students develop crime interdiction proposals and critique the proposals of other students, through a Socratic process. (Credit may not be earned for this course and Border Security 6304.)

**CRIJ 6305 Advanced Studies in Human Trafficking (3-0).** This advanced course looks at the origins and current trends in trafficking of humans for profit. Whether it be to supply workers for the international sex trade, or the delivery of babies for adoption, the trafficking of humans destroys lives, families, and the very social fabric upon which societies are built. This course delves into the theoretical basis of the psychopathology behind human trafficking and the intense process of recovery that victims and their families need to recover from these crimes, help that is often lacking in even the most civilized societies. Students evaluate current events and develop theoretically and legally based responses to these crimes. (Credit may not be earned for this course and Border Security 6305.)

**CRIJ 6306 Advanced Studies in International Drug Trafficking (3-0).** The international trafficking of illegal narcotics and other pharmaceuticals has been a global problem for over a century. From the Opium Wars of the 1800s to the current battles among drug cartels in Mexico, this course offers an in-depth analysis of the epidemic of drug abuse and its association with crime. Using open source intelligence, students evaluate the impact of current drug interdiction efforts by federal agencies. Students conduct online research, statistical analysis, development of viable programs and policies to reduce the current demand for illegal substances worldwide. They then argue in support of their positions to convince the remainder of the class of their program's viability. (Credit may not be earned for this course and Border Security 6306.)

**CRIJ 6320 Studies in Terrorism (3-0).** This course discusses the politics of terrorism and counterterrorism in depth. Theoretical approaches to explain terrorism as a tactic are analyzed. Individual, group, and state terrorism are reviewed from a historical and political context. Students conduct an in-depth analysis of the U.S. response to the terrorist attacks of 9/11, the advent of the USA PATRIOT ACT and its impact on civil liberties, and the development of the Department of Homeland Security as a terrorist mitigation strategy. (Credit may not be earned for this course and Border Security 6320.)

**CRIJ 6321 Seminar in Terrorism and Counterterrorism (3-0).** This seminar course applies the materials covered in CRIJ/BOR 6320 to a series of professor-directed discussions in which students examine new and growing terrorist threats worldwide. Subject matter varies based on current events and trends. Students use open source intelligence to conduct active analyses of terrorism events and develop potential responses by national and international counter-terrorism forces. (Credit may not be earned for this course and Border Security 6321.)

Prerequisite: Border Security 6320 or Criminal Justice 6320.

# Criminal Justice

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**CRIJ 6330 Critical Analysis of Justice Administration (3-0).** An analysis of the criminal justice system in the United States; role of justice agencies as part of societal response to crime; knowledge base of criminal justice; issues, problems, trends.

**CRIJ 6332 Criminal Justice Theory (3-0).** Overview of the major paradigms focusing on the causes of crime and deviant behavior with special attention given to the social, political, and intellectual philosophies within which each perspective arose. Students discuss criminological theories from a philosophy of science perspective, focusing upon such issues as theory construction, theoretical integration, and the formal evaluation of theory.

**CRIJ 6334 Research Methods and Statistics (3-0).** The theory and application of social science research techniques and designs, coupled with a review of descriptive and graphical techniques; probability and sampling theory; the normal curve and statistical inference. (Credit may not be earned for this course and Border Security 6334.)

**CRIJ 6339 Police in Society (3-0).** An examination of the evolution of police in modern society with a special emphasis given to the role police play in contemporary society. Current research examining the function of the police and trends and techniques in policing are examined.

**CRIJ 6340 Constitutional Issues in Homeland Security (3-0).** Taking Constitutional Law to the next level, students conduct in-depth analysis of court decisions that respond to ongoing efforts to address legislative efforts to secure the homeland in the face of a continued international terrorist threat. Additionally, students evaluate the legal basis for federal response to natural and man-made disasters and the impact of these responses to local sovereignty. Students taking this course are required to write extensive legal briefs. (Credit may not be earned for this course and Border Security 6340.)

**CRIJ 6341 Advanced Studies in International Police Development (3-0).** Students use the comparative method to conduct critical analyses of ongoing efforts to develop police in other countries by the U.S., EU, UN, and other agencies. The role of military and non-military forces, coupled with their interaction with NGOs and local agencies, is evaluated. Developing measurement tools to use in conducting success evaluation is a key part of this course. (Credit may not be earned for this course and Border Security 6341.)

**CRIJ 6372 Seminar in Corrections (3-0).** A variety of problems in American Corrections are explored, including the philosophy of prisons, sentencing, community corrections, rehabilitation, and correctional reform. The efficacy of the death penalty is evaluated. Students also investigate the sources of professional shortcomings, system deficiencies, and public inadequacies to develop theoretically based proposals to address these issues.

**CRIJ 6387 Seminar in Criminal Justice Agency Ethics (3-0).** The study of criminal justice without the concurrent study of justice is simply criminal. This course exposes students to the ethics (and lack thereof) of criminal justice agencies. Scenario evaluation, active discussion, and theoretically based argumentation and decision-making are all key components of this seminar. (Credit may not be earned for this course and Border Security 6387.)

**CRIJ 6389 Capstone Seminar in Criminal Justice (3-0).** This course is a research seminar in which students will develop skills in locating, extracting, evaluating, and synthesizing information acquired from their prior courses. Students write a publishable, article-length, paper based on independent research. Students may also be expected to supplement their research with other readings under the direction of the professor.

**CRIJ 6393 Legal Aspects of the Criminal Justice System (3-0).** In this overview of various aspects of law that are relevant to and essential for a better understanding of the criminal justice system and its related processes, students analyze and brief critical court decisions that have shaped the PCC system.

## Curriculum and Instruction

**College of Education: Department of Curriculum and Instruction**

**Department Chair: James A. Summerlin**

**Program Advisor: Kimberly K. Livengood**

**E-mail: kim.livengood@angelo.edu**

**Office: Carr Building, Room 126**

**Telephone: (325) 942-2647 ext. 478, Fax: (325) 942-2039**

**Graduate Faculty:** Livengood, McGlamery, Miazga, Summerlin, Tarver, Williams.

### **Master of Arts (M.A.) Curriculum and Instruction**

The graduate faculty in the Department of Curriculum and Instruction are actively involved in research, development of new teacher education models, and in-service education programs throughout the region served by Angelo State University.

The Master of Arts in Curriculum and Instruction offers two options: Advanced Instructor (36 SCH program) or Teacher Certification (42 SCH). These programs provide the student with critical knowledge to connect scholarship, research and professional practice to teach a diverse student population. To be eligible for the Teacher Certification option, a student with a non-teaching bachelor's degree must have 24 hours in a particular content area, 12 of which are upper level; met the requirements and been admitted to the Educator Preparation Program; and must pass the TExES certification examination in the content area prior to enrolling in CI 5360.

#### **Degree Requirements**

##### **Advanced Instructor Option (36 SCH)**

<b>Required Courses</b>	<b>Hours</b>
CI 6314 Behavior Management . . . . .	3
CI 6315 Problems of Instructional Supervision . . . . .	3
CI 6316 Learning Theories . . . . .	3
CI 6317 Foundations of the Public School System . . . . .	3
CI 6318 Effective Instruction and Assessment . . . . .	3
CI 6320 Curriculum Development . . . . .	3
CI 6321 Content Area Instruction . . . . .	3
CI 6327 Social and Cultural Influences on Learning . . . . .	3
CI 6331 Tests and Measurements in Education . . . . .	3
CI 6351 Human Growth and Development . . . . .	3
CI 6363 Applied Research . . . . .	3
CI 6373 Educational Law . . . . .	3

##### **Teacher Certification Option (42 SCH)**

Same as the Advanced Instructor Option, with the addition of:

CI 5360 Teaching Internship (twice) . . . . .	6
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CI 5360 must be taken twice for credit. To be eligible to take CI 5360, the student must have completed CI 6317, 6318, 6321, and 6327 with a grade of "B" or better and have a passing score on the appropriate TExES subject area test.

As a summative requirement for the degree, the candidate must successfully complete a comprehensive program review with a committee of Graduate Faculty.

# Curriculum and Instruction

Courses in these degree options are offered in web-blended format. Most classes are taught on-line, but some on-campus attendance may be required. Students are encouraged to enter in cohort groups, starting in the summer I term. The cohort sequence of courses is CI 6318 and CI 6321 in Summer I and CI 6317 and CI 6327 in Summer II.

## Teacher Certification Only (Non-degree Program)

Students desiring a teaching certificate only (24 graduate semester credit hours) must meet the requirements of the Educator Preparation Program and have a bachelor's degree with 24 hours in a particular content area, 12 of which are upper level. Prior to enrolling in CI 5360 or CI 5660, the student must pass the TExES certification examination in the content area and have earned no grade lower than a "B" in the 12 SCH summer cohort courses.

Summer Cohort	Hours
CI 6317 Foundations of the Public School System . . . . .	3
CI 6318 Effective Instruction and Assessment . . . . .	3
CI 6321 Content Area Instruction . . . . .	3
CI 6327 Social and Cultural Influences on Learning . . . . .	3
Fall	
CI 5360 Teaching Internship . . . . .	3
CI 6314 Behavior Management . . . . .	3
Spring	
CI 5360 Teaching Internship . . . . .	3
CI 6316 Learning Theories . . . . .	3

## TExES Eligibility And Registration Procedures

All certification candidates must pass two certification examinations - one in the content area and one in pedagogy and professional responsibilities.

In order for candidates at Angelo State University to be approved to take the Texas Examinations of Educator Standards (TExES) they must have completed the certification program requirements for each examination.

For more information on TExES registration and certification procedures, visit:  
[www.angelo.edu/dept/ceducation](http://www.angelo.edu/dept/ceducation)

## Courses in Curriculum and Instruction (CI) \*

**\*\*CI 5360 Teaching Internship.** Supervised practice in applying instructional skills in organized settings. (May be repeated once for credit.) Grading will be on a Pass/Fail basis.

**\*\*CI 5660 Clinical Teaching.** Observation of and participation in supervised teaching in appropriate public school settings for students seeking teacher certification. Grading will be on a Pass/Fail basis.

**CI 6310 Curriculum and Methodology Trends (3-0).** Designed to explore elementary and secondary school curriculum and instructional trends as well as current controversies in education.

**CI 6314 Behavior Management (3-0).** Learn to organize a positive and productive learning environment. Integrate the study of the physical and emotional environment to develop effective classroom management techniques and student behavior modification theory.

\* Other College of Education courses may be found in the Guidance and Counseling, Professional Education, School Administration, Special Education, and Student Development and Leadership sections.

\*\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Department approval is required.

## Curriculum and Instruction

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**CI 6315 Problems of Instructional Supervision (3-0).** Designed to acquaint students with current literature regarding instructional supervision including such topics as theories of leadership, communication, change, organization, and decision making.

**CI 6316 Learning Theories (3-0).** Learn to apply evidence-based instructional methods through the study of incidence and etiology of different learning styles.

**CI 6317 Foundations of the Public School System (3-0).** Develop an understanding of the organization and structure of the public school system. Learn to fulfill the professional role and responsibilities of the classroom teacher, adhering to the legal and ethical requirements of the profession.

**CI 6318 Effective Instruction and Assessment (3-0).** Learn effective and practical instructional methods that utilize appropriate technology and engage students in a variety of formats. Study responsive instruction practices that incorporate continuous assessment into the delivery.

**CI 6320 Curriculum Development (3-0).** Learn to design curriculum appropriate for all students using feedback from continuous and appropriate assessment. Design lessons that are based on valid learning theories, have clear goals and objectives, consider student diversity, and account for external influences.

**CI 6321 Content Area Instruction (3-0).** A course designed to study higher level thinking skill development in the content areas for diverse classrooms. Includes unit preparation, evaluation of curriculum materials, adapting learning experiences, theories and techniques of literacy, internet applications and assessments.

**CI 6323 Instructional Issues: Theory and Practice (3-0).** Designed to explore the theory and practice of effective instructional practices in diverse classrooms. Focus on research relevant to factors influencing instructional effectiveness and the interaction among instructional and learning variables. Includes current issues in instruction such as instructional technology and others.

**CI 6327 Social and Cultural Influences on Learning (3-0).** Designed to present a broad base of knowledge about culture and learning. Approaches, materials, and research will be investigated. Specific skills for identifying learning problems and solving them through classroom instruction will be featured.

**CI 6331 Tests and Measurements in Education (3-0).** A study of typical methods of measuring intelligence, achievement, special aptitudes, and personality. Emphasis is placed on the interpretation and use of tests. Elementary statistical terms and processes are studied.

**CI 6351 Human Growth and Development (3-0).** A study of human development through the life span, with emphasis on childhood and adolescence including physiological, social, emotional, cognitive, language, and cultural influences.

**CI 6363 Applied Research (3-0).** This course will focus on collecting and interpreting data to achieve a stated educational goal for each individual student. Concepts of tests and measurements will be emphasized for interpreting research results and gathering data for applied research. Students will develop a project based upon their research. Student will apply concepts learned within their own classroom under the guidance of the professor.

**CI 6373 Educational Law (3-0).** Designed to explore the field of knowledge of federal, state, and local school laws pertinent to school administration and to facilitate effective decision making in this area of school administration.

**CI 6393 Individual Research.** A specialized course which may be directed reading or research for superior students under the direction of a graduate faculty member. (Course may be repeated only with departmental approval.)

## English

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**College of Arts and Sciences: Department of English and Modern Languages**

**Department Chair: Laurence E. Musgrove**

**Program Advisor: Mary Ellen Hartje**

**E-mail: [me.hartje@angelo.edu](mailto:me.hartje@angelo.edu)**

**Office: Academic Building, Room A039A**

**Telephone: (325) 942-2268, Fax: (325) 942-2208**

**Graduate Faculty:** Allen, Ashworth-Kling, Dalrymple, Ellery, Gates, Hama, Hartje, Kornasky, Runia, Schonberg, Serrano, Wegner.

### Master of Arts (M.A.)

#### English

The graduate program in English emphasizes competence in analysis of literature and development of skills in language use. The department offers graduate course work leading to a major for the degree of Master of Arts.

A program in English should be initiated under the direction of the departmental graduate advisor and approved by the Dean of the College of Graduate Studies.

#### Facilities

The graduate student majoring in English relies heavily on the University library for study and research. Good collections in all areas of literature, especially American and British literature, provide important source materials for research. Primary sources are complemented by significant journal holdings. Graduate faculty research interests range from studies in popular American culture to Medieval literature.

The department operates a Writing Center that provides experience for graduate assistants in teaching writing and reading skills. Within a comfortable working environment, tutors provide one-to-one tutorials, computer-based instruction, and group writing workshops to undergraduate and graduate students. The department also offers students the opportunity to serve as Teaching Assistants. Interested students should see the Program Adviser for more information.

The Department of English and Modern Languages is housed in the Academic Building.

### Master of Arts Degree

The Master of Arts program is designed to enhance skills in literature, language, research, and critical thinking. Is offered for students who desire to teach, for those who want to pursue an advanced degree, and for those who wish a degree in liberal arts with English specialization.

Applicants for the degree must complete 36 semester credit hours of course work beyond the bachelor's degree. Thirty six hours of English are required including English 6391; Bibliography and Research Methods; 6369: Writing in the Profession; 6 SCH of American literature; 6 SCH of British literature; and 3 SCH of language studies; up to 6 SCH may be in approved supporting electives.

A written examination over a prescribed reading list is required of all students who have completed 24 semester credit hours of course work. Offered once on a specified date each long semester, the five-hour examination consists of three essay questions. Satisfactory responses to all three questions are required for graduation.

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**Courses in English (ENG)**

**\*ENG 5361 English Grammar (3-0).** A study of grammar, including grammatical forms and functions, sentence structure, and diagramming. Course meets concurrently with English 4361 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**ENG 6301 British Literary History (3-0).** A study of specific periods of British literature through a careful examination of related works. (May be repeated once for credit when topic varies.)

**ENG 6306 British Fiction (3-0).** A study of one or more major British fiction writers or of a related group of works. (May be repeated once for credit when topic varies.)

**ENG 6307 British Poetry (3-0).** A study of the techniques and significance of one or more British poets. (May be repeated once for credit when topic varies.)

**ENG 6310 Themes and Genres in Literature (3-0).** A study of literary types or of significant themes. (May be repeated once for credit when topic varies.)

**ENG 6331 American Literary History (3-0).** A study of specific periods of American literature through a careful examination of related works. (May be repeated once for credit when topic varies.)

**ENG 6333 American Poetry (3-0).** A study of the techniques and significance of one or more American poets. (May be repeated once for credit when topic varies.)

**ENG 6335 American Fiction (3-0).** A study of one or more major American fiction writers or of a related group of works. (May be repeated once for credit when topic varies.)

**ENG 6339 British Drama (3-0).** A study of one or more British dramatists or of a related group of works. (May be repeated once for credit when topic varies.)

**ENG 6341 American Drama (3-0).** A study of one or more American dramatists or of a related group of works. (May be repeated once for credit when topic varies.)

**ENG 6361 Language Studies (3-0).** A study of the structure and history of the English Language. (May be repeated once for credit when topic varies.)

**ENG 6363 Composition Studies (3-0).** A study of one or more topics in composition. (May be repeated once for credit when topic varies.)

**ENG 6364 Theory and Practice of Fiction Writing (3-0).** A study of the theory and accepted practices of fiction and fiction writing. Writing assignments may include both critical essays and original fiction.

**ENG 6365 Theory and Practice of Poetry Writing (3-0).** A study of the theory and accepted practices of poetry and poetry writing. Writing assignments may include both critical essays and original poetry.

**ENG 6366 Creative Writing Workshop (3-0).** An intensive series of critique sessions for students' original creative work. Includes reading and discussion of modern and contemporary published works. Emphasis on fiction or poetry will be announced prior to registration period. May be repeated for credit.

Prerequisite: 6364 for fiction writing workshop; 6365 for poetry writing workshop.

**ENG 6367 A Study of Literary Publishing and Editing (3-0).** A concentrated study of the history and editorial practices of literary publications. Readings will include past and present samples from literary publications, and students will participate in hands-on editing projects throughout the semester.

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\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

## English

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**ENG 6369 Writing in the Profession (3-0).** Theory and practice of writing for presentation and publication in the profession.

**ENG 6376 Practicum in College Composition Pedagogy (3-0).** Introduction to composition pedagogy with emphasis on practices essential to teaching college-level English composition. Required of Teaching Assistants. Graded "P"/"F".

**ENG 6381 Special Topics (3-0).** A study of selected topics in English. (May be repeated once for credit when topic varies.)

**ENG 6391 Bibliography and Research Methods (3-0).** A study of bibliographical guides, research methods, critical theory, and textual criticism.

**ENG 6393 Research.** A specialized course of individual research or directed reading. (May be repeated once for credit. Prior approval of instructor and department chair required.)

**ENG 6399 Thesis.** A total of six hours required for thesis credit. This course must be repeated once. Students have the option of enrolling in English 6699 to fulfill the thesis requirement in one semester.

**ENG 6699 Thesis.** A total of six semester hours required for thesis credit. Students have the option of enrolling in English 6399 for two separate semesters to fulfill the six hour thesis requirement.



## Guidance and Counseling

**College of Education: Department of Curriculum and Instruction**

**Department Chair: James A. Summerlin**

**Program Advisor: Mary E. McGlamery**

**E-mail: [mary.mcglamery@angelo.edu](mailto:mary.mcglamery@angelo.edu)**

**Office: Carr Building, Room 111**

**Telephone: (325) 942-2647 ext. 479, Fax: (325) 942-2039**

**Graduate Faculty:** Livengood, McGlamery, Miazga, Summerlin, Tarver, Williams.

### Master of Education (M.Ed.) Guidance and Counseling

The graduate faculty in the Department of Curriculum and Instruction are actively involved in research, development of new teacher education models, and in-service education programs throughout the region served by Angelo State University.

The M.Ed. in Guidance and Counseling prepares the student to apply to the State Board for Educator Certification (SBEC) for certification as a school counselor. It is the responsibility of the student to apply for that certificate. As part of the certification requirements, applicants must hold a valid Texas teaching certificate or its equivalent and have completed two years teaching experience in an accredited public school. A copy of the public school teacher's service record serves as documentation. Those students interested in certification as a Licensed Professional Counselor should contact the program advisor for specific additional requirements.

#### Degree Requirements

Required Courses	Hours
CI 6327 Social and Cultural Influences on Learning . . . . .	3
CI 6331 Tests and Measurements in Education . . . . .	3
CI 6345 Introduction to School and Community Counseling. . . . .	3
CI 6346 Theories of Counseling. . . . .	3
CI 6347 Career and Occupational Counseling . . . . .	3
CI 6348 Individual and Group Counseling Skills . . . . .	3
CI 6349 Practicum in Counseling . . . . .	3
CI 6351 Human Growth and Development. . . . .	3
CI 6362 The Education of Exceptional Children . . . . .	3
CI 6363 Applied Research. . . . .	3
CI 6366 Professional Orientation . . . . .	3
CI 6373 Educational Law . . . . .	3

Total semester credit hours for Master of Education in Guidance and Counseling . . . . .36

#### Post Master's Certification Program Requirements

Students pursuing a professional certificate on a certification plan may use previous graduate course work to fulfill certification requirements. All work must be completed within a period of six years from the earliest credit to be counted on the certification plan. Under certain circumstances, a time extension of up to four years may be granted on a course by course basis.

If a time extension for one or more courses is desired, a written application must be presented to the program advisor appropriate to the certification plan. It must explain (1) why the certification plan was not completed in a timely manner, (2) a schedule for completing the certification plan, and (3) information indicating that the student's knowledge of the subject matter in each course for which an extension is requested remains current.

## Guidance and Counseling

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Time extensions are not routine. Courses taken more than 10 years before the completion of the post master's certification plan are never allowed to be used toward the plan. Additional courses are frequently assigned to the student who has not completed the certification plan requirements within the six-year time limit.

### **Courses in Curriculum and Instruction (CI) \***

**CI 6327 Social and Cultural Influences on Learning (3-0).** Designed to present a broad base of knowledge about culture and learning. Approaches, materials, and research will be investigated. Specific skills for identifying learning problems and solving them through classroom instruction will be featured.

**CI 6331 Tests and Measurements in Education (3-0).** A study of typical methods of measuring intelligence, achievement, special aptitudes, and personality. Emphasis is placed on the interpretation and use of tests. Elementary statistical terms and processes are studied.

**CI 6345 Introduction to School and Community Counseling (3-0).** A study of techniques and methods used by counseling personnel to help students individually and in groups with educational planning, vocational choice, and interpersonal relations.

**CI 6346 Theories of Counseling (3-0).** A study of techniques and methods used by counseling personnel to help students individually and in groups with educational planning, vocational choice, and interpersonal relations.

**CI 6347 Career and Occupational Counseling (3-0).** A study of the basic principles related to educational-vocational planning, including practical experiences in administering, reviewing, and evaluating occupational and career standardized data profiles.

**CI 6348 Individual and Group Counseling Skills (3-0).** An introduction to individual and group counseling skills. Concepts include counseling communication skills such as active listening, attending, rapport building, and reflection; effective counseling to individuals and small groups using appropriate counseling theories and techniques; group dynamics and productive group interactions in various counseling situations; and using small and large groups to actively engage participants in the learning process.

**CI 6349 Practicum in Counseling.** Three semester hours of supervised practical experience under the supervision of a certified school counselor. Education 6349 (150 clock hours) meets the requirements for the professional certificate in school counseling required by the State Board for Educator Certification. Grading will be on a pass/fail basis.

Prerequisite: Permission of graduate advisor.

**CI 6351 Human Growth and Development (3-0).** A study of human development through the life span including physiological, social, emotional, cognitive, language, and cultural influences.

**CI 6361 Consultation for Counseling Professionals (3-0).** This course provides an overview of psychological consultation, theory, and practice. Various psychological consultation and collaboration theoretical models and their application in various settings (i.e., community, clinical, academic) are reviewed. Models (i.e., expert and collaborative) reviewed during this course include mental health, cognitive-behavioral, solution focused, and patient centered. Skills and characteristics of consultants as well as ethical and legal consideration and issues are discussed.

**CI 6362 The Education of Exceptional Children (3-0).** This course is designed to acquaint students with school programs and interventions involving the physical, emotional, and cognitive development of exceptional children and youth.

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\* Other College of Education courses may be found in the Curriculum and Instruction, Professional Education, School Administration, Special Education, and Student Development and Leadership sections.

## Guidance and Counseling

**CI 6363 Applied Research (3-0).** This course will focus on collecting and interpreting data to achieve a stated educational goal for each individual student. Concepts of tests and measurements will be emphasized for interpreting research results and gathering data for applied research. Students will develop a project based upon their research. Student will apply concepts learned within their own classroom under the guidance of the professor.

**CI 6364 Dysfunctional Behavior (3-0).** The principles of understanding dysfunction in human behavior or social disorganization, including an overview of dysfunctional behavior and exceptionalities, analysis of dysfunctional behavior in educational and counseling settings, and an introduction to the Diagnostic and Statistical Manual of Mental Disorders classification system.

**CI 6365 Principles of Educational and Psychological Measurement (3-0).** A study of typical methods of measuring intelligence, achievement, special aptitudes, and personality. Emphasis is placed on the interpretation and use of tests. Elementary statistical terms and processes are studied.

**CI 6366 Professional Orientation (3-0).** The objectives of professional organizations, codes of ethics, legal aspects of practice, standards of preparation, and the role identity of persons providing direct counseling treatment intervention.

**CI 6367 Therapy with Children and Adolescents (3-0).** A study of clinical interventions which integrates multicultural and relational approaches in therapy with children and adolescents. Emphasis is placed on translating conceptualizations of client's problems into specific treatment plans and interventions. The course examines various disorders including depression, anxiety, attention-deficit-hyperactivity, eating disorders, and conduct disorders.

**CI 6368 Family Counseling (3-0).** Theory, simulation, and practice of techniques used in family counseling applied to school and community agencies.



## Guidance and Counseling

**CI 6369 Technology Assisted Distance Counseling (3-0).** The rapid development of the internet has resulted in new forms of counseling. Issues such as standard definitions of technology-assisted distance counseling, similarities and differences between face to face and distance counseling in regard to various applications of technology to counseling, computer-assisted assessment, computer-assisted information systems, and telephone counseling, along with ethical issues associated with technology-assisted distance counseling are included.

**CI 6373 Educational Law (3-0).** Designed to explore the field of knowledge of federal, state, and local school laws pertinent to school administration and to facilitate effective decision making in this area of school administration.

**CI 6391 Research (3-0).** The types and methods of educational research. The student is expected to complete a research project or field study utilizing appropriate methods of educational research.

**CI 6393 Individual Research.** A specialized course which may be directed reading or research for superior students under the direction of a graduate faculty member. (Course may be repeated only with departmental approval.)

**CI 6649 Practicum in Counseling.** Three or six semester hours of supervised practical experience under the supervision of a certified and/or Licensed Professional Counselor. Education 6349 (150 clock hours) meets the requirements for the professional certificate in school counseling required by the State Board for Educator Certification. Education 6349 and Education 6649 (300 clock hours) meet the requirements established by the Texas State Board of Examiners of Professional Counselors. Grading will be on a pass/fail basis.

### Courses in Education (ED)

**ED 6101 Supervision of Counseling Interns.** This course is designed for individuals who are completing their required supervision hours as part of the standards of preparation for the Texas Professional Counselor's license. May be repeated until supervision hours are completed. Grading will be on a pass/fail basis. Permission of the instructor required.



**College of Arts and Sciences: Department History**  
**Department Chair: Kenneth J. Heineman**  
**Program Advisor: John E. Klingemann**  
**E-mail: jklingemann@angelo.edu**  
**Office: Academic Building, Room 210A**  
**Telephone: (325) 942-2114, Fax: (325) 942-2057**

**Graduate Faculty:** DeLeon, Dewar, Eoff, Heineman, Hindman, Klingemann, Pate, Pierce.

## History

### Courses in History (HIST)

**HIST 6301 Texas History (3-0).** A research seminar in selected topics in Texas history.

**HIST 6321 Colonial American History (3-0).** A readings seminar in 18th Century American History.

**HIST 6322 United States Diplomatic History Since 1898 (3-0).** A seminar in diplomatic history and U.S. foreign policy in the twentieth century with particular emphasis on the emergence of the United States as a world power.

**HIST 6323 America in the Civil War Era (3-0).** A readings seminar in selected topics in American antebellum, Civil War, and Reconstruction history.

**HIST 6327 Social Roots of 20th Century American Politics (3-0).** A readings seminar in the changing social roots of American political coalitions and parties from the New Deal to the New Right.

**HIST 6328 20th Century American Economic History (3-0).** A readings seminar in the economic history of the United States from the age of industrialism to the post-industrial society.

**HIST 6329 Local and Community History (3-0).** A seminar in the research and writing of local history.

**HIST 6330 Historical Record and Site Preservation (3-0).** A readings seminar where skills are taught and applied to the preservation of historical records and historic sites for both profit and non-profit organizations.

**HIST 6331 Internship.** Internship with a non-profit or profit organization where the application of historical preservation, research, and writing skills may be applied to the benefit of the student and host organization. (May be repeated once for credit.)

Prerequisite: Prior approval of the instructor and department chair required.

**HIST 6342 American Social Movements (3-0).** A readings or research seminar in selected 19th and 20th Century American social movements. Revolving topics may include, but are not limited to, women's rights, temperance, ecology, law and order, civil rights, abortion, and anti-war movements. (Topics and requirements vary with instructor and may be repeated once for credit if the topic is different.)

**HIST 6350 Mexican Revolution (3-0).** A research seminar in the era of the Mexican Revolution and its economic, political, and social impact of the U.S. Borderlands.

**HIST 6364 Global Cold War and Terrorism (3-0).** A readings seminar in the global struggle between democracy and communism and the rise of international terrorism.

**HIST 6373 Historiography (3-0).** A readings seminar concerned with the study of history as an intellectual discipline and with the analysis of historical problems. Emphasis will be placed on the development of historical consciousness and technique.

## History

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**HIST 6381 Special Topics (3-0).** A seminar in selected historical topics. (May be repeated once for credit when topic varies.)

**HIST 6391 Independent Research.** Directed research in United States or Mexican History under the supervision of a graduate faculty member. (May be repeated once for credit.)

Prerequisite: Prior approval of instructor and department chair required.

**HIST 6392 Independent Study.** Directed readings in specialized topics under the supervision of a graduate faculty member. (May be repeated once for credit.)

Prerequisite: Prior approval of the instructor and the departmental graduate advisor required.

**HIST 6399 Thesis.** A total of six hours is required for thesis. The student may repeat this course to obtain the necessary six hours credit. Students have the option of enrolling in History 6699 to fulfill the thesis requirement.

**HIST 6699 Thesis.** A total of six hours is required for thesis. Students have the option of enrolling in History 6399 for two separate semester/terms in order to fulfill the six hour thesis requirement.



**College of Health and Human Services: Department of Kinesiology**

**Department Chair: Steven R. Snowden**

**Program Advisor: Warren K. Simpson**

**E-mail: [warren.simpson@angelo.edu](mailto:warren.simpson@angelo.edu)**

**Office: Center for Human Performance Building, Room 103**

**Telephone: (325) 942-2173 ext. 237, Fax: (325) 942-2129**

**Graduate Faculty:** Byars, Carter, Keith, Price, Simpson, Snowden.

### **Master of Science (M.S.) Kinesiology**

#### **Program Expectations and Options**

Graduates are expected to demonstrate advanced knowledge, skills, and dispositions specific to the subject matter of each course completed. Additionally, graduates are expected to demonstrate advanced competency in critical thinking, research methodology, professional communication, and professional ethics/values. The two program options are:

**Master of Science in Kinesiology.** A flexible program of study that can be tailored to address a student's particular kinesiology-related career aspirations.

**Master of Science in Kinesiology, Exercise and Sport Administration Option.** A program of study specifically designed to address competencies applicable to exercise and sport-related administrative positions.

#### **Admission Requirements**

Refer to (page 10) for Admission to the College of Graduate Studies and (page 15) for program prerequisite requirements.

#### **Departmental Requirements**

The M.S.-Kinesiology degree programs require the following:

- Students must comply with all College of Graduate Studies requirements.
- Students may only begin the program during the fall semester and must enroll in and earn a grade of "C" or better in Kinesiology 6391 Research Methods and Techniques in order to continue in the program. Students failing to earn a "C" must reapply for admission, which would take place the following fall, at the earliest.
- Students must complete 36 SCHs, including a practicum and a research project. The research project is initiated during the first semester of enrollment in Kinesiology 6391 Research Methods and Techniques. The program culminates with a semester-long practicum (Kinesiology 6373 Practicum) at an approved kinesiology-related worksite and the submission and presentation of the completed research project (Kinesiology 6394 Applied Research) to the Department of Kinesiology graduate faculty.
- Students must take Kinesiology core courses in the designated sequence (see Course Descriptions for prerequisites).
- Students are strongly discouraged from taking more than six semester credit hours in a semester and must receive permission from the Graduate Advisor to do so.
- Students must complete an appropriate number of semester credit hours of Supporting Electives (see Degree Plans below for the exact number of semester credit hours). These courses may be taken from within or outside the Department of Kinesiology and must be appropriate for the individual student's approved degree program and career goals. Transfer courses may qualify as supporting electives if they are appropriate for the student's degree program and career goals, and if approved by the departmental advisor and the Dean of the College of Graduate Studies.
- M.S. in Kinesiology students may enroll in no more than six semester credit hours of 5000 level kinesiology course work and may not enroll in a 5000 level course for which the student received undergraduate credit. Permission of Graduate Advisor and the Dean of the College of Graduate Studies is required.

Kinesiology

- M.S. in Kinesiology, Exercise and Sport Administration students may enroll in no more than three semester credit hours of 5000 level kinesiology course work and may not enroll in a 5000 level course for which the student received undergraduate credit. Permission of Graduate Advisor and the Dean of the College of Graduate Studies is required.
- M.S. in Kinesiology, Exercise and Sport Administration students must adhere to a designated sequence of courses in order to complete the program in a timely manner. (See Master of Science in Kinesiology, Exercise and Sport Administration Option Two-Year Matriculation Plan.)

Degree Plans

Master of Science in Kinesiology

Kinesiology Core	Hours
KIN 6391 Research Methods and Techniques . . . . .	3
KIN 6392 Professional Communication . . . . .	3
KIN 6351 Tests and Measurements . . . . .	3
KIN 6373 Practicum . . . . .	3
KIN 6394 Applied Research. . . . .	3
Kinesiology Electives . . . . .	12
Supporting Electives . . . . .	9
Total . . . . .	36

Master of Science in Kinesiology,  
Exercise and Sport Administration Option

Kinesiology Core	Hours
KIN 6391 Research Methods and Techniques . . . . .	3
KIN 6392 Professional Communication . . . . .	3
KIN 6351 Tests and Measurements . . . . .	3
KIN 6373 Practicum . . . . .	3
KIN 6394 Applied Research. . . . .	3
Exercise and Sport Administration Option	Hours
KIN 6310 Seminar in Sport Sociology . . . . .	3
KIN 6322 Administering Special Events and Activities . . . . .	3
KIN 6324 Programming for Special Populations. . . . .	3
KIN 6331 Legal and Ethical Aspects . . . . .	3
KIN 6333 Financial and Facilities Management. . . . .	3
KIN 6335 Leadership Applications. . . . .	3
Supporting Electives . . . . .	3
Total . . . . .	36

## Master of Science in Kinesiology Exercise and Sport Administration Option

### Two-Year Matriculation Plan

#### Year 1

##### Fall (6 HRS)

KIN 6391  
KIN 6310

##### Spring (6 HRS)

KIN 6322  
KIN 6331

##### Summer (12 HRS)

KIN 6392  
KIN 6351  
KIN 6333  
KIN 6335

#### Year 2

##### Fall (6 HRS)

KIN 6324  
Elective

##### Spring (6 HRS)

KIN 6373  
KIN 6394

### Courses In Kinesiology (KIN)

**\*KIN 5333 Health Promotion in the Workplace (3-0).** This course will provide students with an opportunity to learn about planning and implementing a comprehensive health promotion program in the corporate setting. Emphasis will be on developing environmental and social support for healthy behaviors within the business community. Additional topics that will be addressed include: building awareness, knowledge, skills, and interpersonal support for personal behavior change. Course meets concurrently with Kinesiology 4333 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**\*KIN 5380 Sport and Exercise Nutrition (3-0).** The content of this course is focused on the metabolism of food by various tissues of the body and its relation to exercise. The role of diet in the development and treatment of some chronic diseases will also be discussed along with the application of nutritional principles to enhance human performance. Course meets concurrently with Kinesiology 4380 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**\*KIN 5390 Principles of Strength and Conditioning (3-0).** A course designed to provide students with the knowledge and skills to design and implement safe and effective strength and conditioning programs. Course meets concurrently with Kinesiology 4390 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of Graduate Advisor and Graduate Dean.

**KIN 6304 Exercise and Sport Psychology (3-0).** A thorough study of the ethics and practice of applied sport psychology. In-depth analysis of athlete behavior including the study of motivation, attention, anxiety, personality, team cohesiveness and leadership. Also, the following topics are presented: role of the sport psychologist, ethical standards for sport psychologists, psychological testing, performance enhancement, program development, and psychological training techniques.

**KIN 6305 Qualitative Biomechanics (3-0).** Mechanical analysis of motor activity. Human movement with emphasis on sports skills by application of principles of mechanics and kinesiology.

**KIN 6310 Seminar in Sport Sociology (3-0).** The study of the sociological implications of sport. The student will, through the inquiry method of teaching, be directed in the study of a variety of topics related to the sociology of sport. Topics may include politics in sport, racism in sport, women in sport, sport and religion, children and sport, professional sport, sport and education, violence in sport, ethical dilemmas in sport, and performance-enhancing drugs in sport.

\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

## Kinesiology

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**KIN 6322 Administering Special Events and Activities (3-0).** A course that addresses the competencies necessary to successfully plan, market, and implement exercise and sport-related special activities. UIL and NCAA rules governing these events and activities will be emphasized.

**KIN 6324 Programming for Special Populations (3-0).** (Formerly 6321 Adaptive PE) A course that addresses the various programming considerations for special populations engaging in exercise and sport-related activities. Applicable statutes and disabilities will be emphasized.

**KIN 6331 Legal and Ethical Aspects (3-0).** A course that addresses legal and ethical considerations which are applicable to exercise and sport-related programs. The legal/ethical environment, legal duties and responsibilities, risk management, and participant rights will be addressed. Emphasis will be placed on developing ethical dispositions.

**KIN 6333 Financial and Facilities Management (3-0).** A course that addresses various financial principles and practices and various facilities design and maintenance considerations applicable to exercise and sport-related organizations.

**KIN 6335 Leadership Applications (3-0).** A course that addresses the application of various leadership principles, processes, and practices to exercise and sport-related organizations.

**KIN 6351 Tests and Measurements (3-0).** A course which considers the historical background of measurement in kinesiology: selection, evaluation, structure, use, and administration of contemporary testing devices; and interpretation and application of results. The research project initiated in Kinesiology 6391 will also be addressed.

Prerequisite: Kinesiology 6391.

**KIN 6373 Practicum.** This course constitutes the culminating practical experience of the degree and consists of a supervised field experience at a kinesiology-related worksite. Requires prior approval of worksite. Deadline for approval application is 60 days prior to the beginning of the course.

Prerequisites: 30 hours of approved graduate course work including Kinesiology 6351, 6391, and 6392.

**KIN 6381 Special Topics (3-0).** A study of selected topics in physical education. May be repeated once for credit when topic varies.

**KIN 6391 Research Methods and Techniques (3-0).** A course to familiarize the student with the types of research and related tools and techniques in kinesiology. An individual student research project is initiated and approved in this course. Must be taken during the first semester of enrollment.

**KIN 6392 Professional Communication (3-0).** A course that addresses the written, oral and technology-enhanced forms of communication required for professionals in kinesiology-related settings. The research project initiated in Kinesiology 6391 will also be addressed.

Prerequisite: Kinesiology 6391.

**KIN 6393 Research.** Directed reading or individual research. (May be repeated once for credit. Prior approval of instructor and department chair required.)

**KIN 6394 Applied Research.** This course constitutes the culminating research experience for the degree. A research monograph suitable for publication will be submitted and the research findings will be formally presented to the graduate faculty.

Prerequisites: 30 hours of approved graduate course work including Kinesiology 6351, 6391, and 6392.

**College of Health and Human Services:****Department of Nursing and Rehabilitation Sciences****Department Chair: Susan S. Wilkinson****Program Advisor: Molly J. Walker****E-mail: [molly.walker@angelo.edu](mailto:molly.walker@angelo.edu)****Office: Vincent Building, Room 268****Telephone: (325) 942-2060 ext. 246, Fax: (325) 942-2236**

**Graduate Faculty:** Artnak, Brown, Crowther, Greenwald, Hester, Hutchinson, Johnson-Smith, Mayrand, Schultz, Sleutel, Walker, Wilkinson.

**Specialist Graduate Faculty:** Ramirez, Ross.

### **Master of Science in Nursing (M.S.N.)**

#### **Nursing**

The Department of Nursing and Rehabilitation Sciences offers a program leading to the Master of Science in Nursing (M.S.N.) degree with three options: Nurse Educator, Adult Health Clinical Nurse Specialist, or Family Nurse Practitioner.

The Master of Science in Nursing program is fully accredited by National League for Nursing Accrediting Commission (NLNAC) and has full approval status from the Texas Board of Nursing.

Texas Board of Nursing  
333 Guadalupe #3-460  
Austin, TX 78701  
Phone: (512) 305-7400  
([www.bon.state.tx.us](http://www.bon.state.tx.us))

National League for Nursing  
Accrediting Commission  
3343 Peachtree Road NE, Suite 850  
Atlanta, GA 30326  
Phone: (404) 975-5000; Phone: 1 (866) 747-9965

The Department of Nursing and Rehabilitation Sciences strictly adheres to the Texas Board of Nursing Rules and Regulations Relating to Professional Nurse Education, Licensure and Practice. Because of the dynamic nature of the profession of nursing, and consequently nursing education, the Texas Board of Nursing may make changes to these rules and regulations as the need arises. In order to remain in compliance with these rules and regulations, the Department of Nursing and Rehabilitation Sciences reserves the right to make changes to information presented in the current Catalog as necessary, and communicate these changes on the departmental website. Currently enrolled and prospective students are responsible for checking the website for the most current information. In addition, all students enrolled in nursing courses must have a valid university e-mail address on file in the nursing office. Notification of changes to the catalog will be communicated via e-mail, and will only be communicated to a student's university-issued e-mail address.

Graduate nursing students must also be in compliance with the M.S.N. Student Handbook. The most current Nursing Student Handbooks are available, and may be downloaded, from the departmental website. These handbooks are reviewed and updated annually. However, the Department of Nursing and Rehabilitation Sciences reserves the right to make (upload) changes to these web documents as necessary. Students will be notified of any changes via students university issued e-mail address.

A student who meets university graduation requirements, successfully completes the prescribed graduate nursing curriculum, and satisfies comprehensive exit exam requirements, will receive the Master of Science in Nursing degree.

# Nursing

## Mission and Philosophy

The Department of Nursing supports the Mission of Angelo State University by offering undergraduate and graduate programs that prepare nurse professionals to provide high quality, safe care for a multi-cultural society.

As nursing faculty members, we use certain beliefs and values as a guide and framework for excellence in teaching and learning. We believe the art and science of nursing involves critical thinking, decision-making, leadership, teamwork, and collaboration to optimize patient outcomes. Advocacy and quality improvement strategies are a foundation for quality care. Nursing requires caring, culturally sensitive, therapeutic partnerships that respect patient values and preferences. We are committed to excellence in nursing education, offering a supportive and caring environment that facilitates personal and professional growth and life-long learning.

The faculty believes the health care needs of the community are best served by multiple levels of nursing practice that produce competent, safe practitioners at the A.A.S.N., B.S.N., and M.S.N. levels. Each level of nursing education builds and expands on prior knowledge and competency. Course experiences at all levels assist students to develop as critical thinkers and ethical decision makers.

Our undergraduate degrees prepare students for generalist practice. Both the A.A.S.N. and B.S.N. undergraduate degrees focus on care of the individuals and families across the life span in various health care settings. Baccalaureate nursing further encompasses health promotion of families, individuals, and communities in a variety of settings. Both undergraduate nursing programs emphasize evidence-based practice, quality improvement, safety, informatics, patient-centered care, teamwork, and collaboration.

The Master of Science in Nursing degree is built upon the foundation of undergraduate nursing educational elements and provides graduate students with advanced skills and knowledge for their professional roles. The graduate program choices are: the Advanced Practice Registered Nurse (FNP and CNS); the Nurse Educator or the RN First Assistant.

Faculty members encourage and support collaborative endeavors with students in a variety of scholarly activities within a wide range of health care settings. These programs position graduates for leadership roles in a broad range of health care and educational settings.

At all levels, nursing faculty members are committed to respecting individual diversity and offering access to quality learning resources. By fostering professionalism, science-based care, and life-long learning, graduates are prepared for practice and leadership in current and future health care environments.



## M.S.N. Admission Requirements

In addition to the general requirements for admission to the College of Graduate Studies, applicants for regular admission to the M.S.N. program must file a separate departmental application to the Department of Nursing and Rehabilitation Sciences and meet the criteria listed below:

- A baccalaureate degree in nursing from a program accredited by the National League for Nursing Accrediting Commission, or the AACN Commission of Collegiate Nursing Education.
- A minimum grade point average (GPA) of 3.00 on a 4.00 scale.\*
- An upper division (Junior or Senior level) statistics course completed with a grade of "C" or higher within 5 years.
- A basic pathophysiology course (equal to 3 SCH) completed with a grade of "C" or higher.\*\*
- A current, unencumbered license to practice as a Registered Nurse in Texas or state where student will engage in clinical experiences.
- Evidence of inclusion of basic physical assessment content in an undergraduate nursing program or demonstrated proficiency in health assessment.
- A basic computer literacy course (equal to 3 SCH) or demonstrated proficiency.
- Acceptance to the College of Graduate Studies.
- Three professional letters of recommendation.
- A 500 word essay articulating educational and professional goals; services.

Prior to first clinical course, graduate students must have the following on file in the nursing office:

- Current CPR (professional level) certification.
- Evidence of meeting state-mandated immunization requirements.
- Proof of current health insurance.
- Certified background check.

## Physical/Mental Performance/Admission/Progression Policy

In order to accomplish the objectives of the program, students must be able to meet and maintain the following performance requirements:

- Visual acuity with corrective lenses to identify cyanosis, absence of respiratory movement in patients, and to read small print on medication containers, physician's orders, monitors, and equipment calibrations.
- Hearing ability with auditory aids to understand the normal speaking voice without viewing the speaker's face and to hear monitor alarms, emergency signals, call bells from patients, and stethoscope sounds originating from a patient's blood vessels, heart, lungs, and abdomen.
- Physical ability to stand for prolonged periods of time, perform cardiopulmonary resuscitation, lift patients, and move from room to room or maneuver in limited spaces.
- Ability to communicate effectively in verbal and written form. Ability to speak clearly and succinctly when explaining treatment procedures, describing patient conditions, and implementing health teaching. Ability to write legibly and correctly in patient's chart for legal documentation.
- Ability to use computer based technology at a reasonable level of proficiency for safe patient care.
- Manual dexterity to use sterile techniques and insert catheters. Prepare and administer medications such as IVs, POs, and IMs.
- Ability to function safely under stressful conditions, adapting to ever-changing clinical situations involving patient care.

\* When the GPA is below 3.00 but between 2.75 and 2.99 and if the applicant has achieved 3.00 in the last 60 hours of undergraduate work, the applicant may be granted provisional admission.

\*\* Evidence that pathophysiology was integrated into curriculum may be accepted.

## Selection Process

- A student planning to earn the M.S.N. degree at Angelo State University, must be accepted into the M.S.N. program before enrolling in required nursing course work. A number of factors, including regulatory agencies' requirements and university resources, may dictate the number of candidates who can be accepted into the M.S.N. program. As a result, meeting pre-admission requirements does not guarantee admission to the M.S.N. program. In the event that applications for admission for a specific semester outnumber available openings, the most qualified candidates [based on an evaluation of factors including overall grade point average (GPA), and last 60 hours (GPA)] will be admitted.
- Students who have been accepted to the College of Graduate Studies, and meet admission criteria for the M.S.N. program, but have a non-degree seeking status, may be given permission to enroll in graduate nursing courses on a "space available" basis.
- Application packets for the M.S.N. program are available on the departmental website, and in the Nursing and Rehabilitation Sciences Department office.
- Applications are not considered complete until all admission requirements have been met. Only completed applications will be evaluated for admission to the program.
- There will be an initial review of all complete applications for admission to a specific semester. Depending on the number of available seats and number of complete applications, a candidate could be admitted, or their application could be deferred to the final evaluation round for a particular semester. Candidates are highly encouraged to submit applications by the initial review deadline. Preferred deadlines for final review of completed applications are as follows:
  - Fall: April 1.
  - Spring: September 1.

## Standards for Progression in the M.S.N. Program

The following standards must be maintained by each student in order to progress in the M.S.N. program to graduation:

- Compliance with all rules and regulations outlined in the M.S.N. Student Handbook and the current Angelo State University Catalog.
- A minimum 3.00 overall grade point average (GPA) at the completion of each semester in order to register for the next nursing course.
- Each student must have a minimum 3.00 overall grade point average in order to graduate.
- Successful completion of each nursing course with a grade of "C" or above
- Demonstration of safe performance in the clinical laboratory at all times.
- Adherence to the rules and regulations as defined in the current Nurse Practice Act for the State of Texas, and the Code of Ethics of the American Nurses Association while in the performance of duties in the M.S.N. program.
- Proof of current health insurance.
- Current CPR certification.
- Validation of Texas Department of Health immunization requirements for students enrolled in health related courses.
- Compliance with all requirements of the clinical facility while engaged in student clinical experiences. These include, but are not limited to, criminal background checks and drug screenings. The student is responsible for all costs associated with these requirements.
- Compliance with the Angelo State University Honor Code.

## Policies

**Departmental Website** ([www.angelo.edu/dept/nursing/](http://www.angelo.edu/dept/nursing/)).

Students should access the departmental website for updates, information on courses, books, course schedules, preceptor/clinical facilities, degree plan applications, and other important items.

## **Precepted Clinical Experiences.**

A number of M.S.N. courses include clinical practicums in traditional and community-based settings. These clinical experiences can usually be completed in the student's city of residence, under the supervision of a qualified preceptor. The student, with faculty guidance, will identify a qualified preceptor, provide the preceptor with the departmental Preceptor Handbook, and return the signed Preceptor Agreement Form to the Department before beginning clinical experiences. In addition, the student is responsible for determining if a clinical contract with the preceptor's clinical facility is on file in the department office. Refer to the M.S.N. Student Handbook for complete information.

## **Online Learning**

While M.S.N. courses are offered in an online format, there may be instances when the student will be required to come to campus (e.g., comprehensive exams, orientation, skills lab).

Online Learning is an educational process that takes place when student and instructor are not physically in the same place. Using a computer and an Internet Service Provider (ISP) a student can work on course work where it is most convenient. Even though the online class may be more accommodating of a student's schedule, the content and workload are the same in the online class as in a face-to-face course.

In an online class the instructor provides instruction and facilitates the learning environment. Students can review course materials online; interact with other students and the instructor via e-mail, chat rooms and threaded discussions; and participate in virtual classroom meetings. In the online classroom, students initiate their own learning, so they need to possess a high degree of self-motivation.

Online courses are similar in structure to classroom courses. The courses have a syllabus, weekly assignments, projects, papers, and tests. The student will do exercises and solve problems either alone or in small groups. Students will interact with classmates and instructors through online communication tools instead of face-to-face interaction.

For online course work, students should possess basic computer skills. They should be able to: send and receive e-mail; attach, send and open documents from e-mail or internet sites; participate in online chats; research topics using the Web resources; and use Internet library databases.

The educational technology tool used is the Course Management System (CMS) called Blackboard. A CMS is a web-based "frame" through which instructors can communicate with students, distribute information, and facilitate the exchange of ideas, information, and resources. A CMS offers students easy and immediate access to discussion forums and chats, course materials, assignments and resources, announcements and course calendar.

Most online courses are asynchronous, or designed so that students can conveniently complete their work anywhere via Internet access.

## **Technical Requirements**

Having the appropriate ISP (internet connection) and computer requirements are important considerations for students. Students must have a DSL, or cable Internet connection. Students taking online courses should have access to a computer that meets the minimum requirements listed in the M.S.N. Student Nursing Handbook, though the suggested system requirements (also outlined in the M.S.N. Handbook) will enhance the student's ability to access and use online course materials.

## **Orientation to Online Learning**

Orientation to Online Learning: It is highly recommended that M.S.N. students review a M.S.N. online learning orientation held at the beginning of each semester, especially students who have not had previous experience with online learning.

Degree Requirements

Advanced Practice Registered Nurse (APRN)

Clinical Nurse Specialist (CNS) Option

Angelo State University Department of Nursing and Rehabilitation Sciences offers two advanced practice registered nurse options: Clinical Nurse Specialist (CNS) and Family Nurse Practitioner (FNP). Graduates of the APRN tracts: CNS and FNP will apply to the Texas State Board of Nurse Examiners or the student's respective state board of nursing for advanced practice status after the successful completion of a national certification exam. It is the responsibility of the individual student to apply for the certification exam and advanced practice status.

Required Core Courses	Hours
NUR 6103 Professional Scholarship	1
NUR 6301 Design and Methodologies of Quantitative and Qualitative Research	3
NUR 6313 Theoretical Foundations of Advanced Nursing	3
NUR 6317 Health Policy and Ethics	3
NUR 6318 Pharmacotherapeutics	3
NUR 6324 Advanced Pathophysiology	3
NUR 6331 Advanced Health Assessment	3
NUR 6356 Statistical Analysis in Healthcare Research	3
Clinical Specialization	
NUR 6333 Internship in Advanced Nursing Practice	3
NUR 6335 Role Development: The Advanced Practice Nurse	3
NUR 6343 Adult Health I: Foundations of Advanced Nursing Care of the Adult	3
NUR 6344 Adult Health I: Practicum in Advanced Nursing Care of the Adult	3
NUR 6345 Adult Health II: Diagnosis and Management	3
NUR 6346 Adult Health II: Practicum in Diagnosis and Management	3
NUR 6350 Foundation of Health Promotion for Individuals & Communities	3
Total Semester Credit Hours Required	43

Students must also pass a comprehensive written exam in order to complete the degree.



**Advanced Practice Registered Nurse (APRN)**

**Family Nurse Practitioner (FNP) Option**

<b>Required Core Courses</b>		<b>Hours</b>
NUR 6103	Professional Scholarship . . . . .	1
NUR 6301	Design and Methodologies of Quantitative and Qualitative Research . . . . .	3
NUR 6313	Theoretical Foundations of Advanced Nursing. . . . .	3
NUR 6317	Health Policy and Ethics . . . . .	3
NUR 6318	Pharmacotherapeutics . . . . .	3
NUR 6324	Advanced Pathophysiology . . . . .	3
NUR 6331	Advanced Health Assessment . . . . .	3
NUR 6356	Statistical Analysis in Healthcare Research. . . . .	3
<b>Clinical Specialization</b>		
NUR 6105	Advanced Skills for Advanced Practice Nurses . . . . .	1
NUR 6325	Family Primary Care I. . . . .	3
NUR 6326	Family Primary Care II . . . . .	3
NUR 6327	Family Primary Care I Practicum. . . . .	3
NUR 6335	Role Development: The Advanced Practice Nurse . . . . .	3
NUR 6336	Family Primary Care II Practicum . . . . .	3
NUR 6337	Integrated Clinical Practice: FNP . . . . .	3
NUR 6350	Foundation of Health Promotion for Individuals & Communities. . . . .	3
NUR 6351	Mental Health Concepts for Advanced Practice Nurses . . . . .	3
Total Semester Credit Hours Required. . . . .		47

Students must also pass a comprehensive written exam in order to complete the degree.

**Nurse Educator Option**

<b>Required Core Courses</b>		<b>Hours</b>
NUR 6103	Professional Scholarship . . . . .	1
NUR 6301	Design and Methodologies of Quantitative and Qualitative Research . . . . .	3
NUR 6313	Theoretical Foundations of Advanced Nursing. . . . .	3
NUR 6317	Health Policy and Ethics . . . . .	3
NUR 6318	Pharmacotherapeutics . . . . .	3
NUR 6324	Advanced Pathophysiology . . . . .	3
NUR 6331	Advanced Health Assessment . . . . .	3
NUR 6356	Statistical Analysis in Healthcare Research. . . . .	3
<b>Nurse Educator Option Courses</b>		
NUR 6306	Teaching Strategies in Nursing Education . . . . .	3
NUR 6307	Evaluation in Nursing Education . . . . .	3
NUR 6308	Practicum in Nursing Education . . . . .	3
NUR 6319	Curriculum Design and Instruction in Nursing Education. . . . .	3
Total Semester Credit Hours Required. . . . .		34

Students must also pass a comprehensive written exam in order to complete the degree.

# Nursing

## RN-M.S.N. Track

The RN-M.S.N. track is an accelerated mobility track which allows highly qualified Registered Nurses who are graduates of an accredited associate or diploma program, to pursue a Master of Science in Nursing without completing all baccalaureate degree nursing courses. Students in this track complete all required B.S.N. academic courses (27 credits) and five (5) prescribed B.S.N. nursing courses (17 credits). Students also complete the required courses for the Master of Science in Nursing program, selecting the APRN option or Nurse Educator option. There is a point at which a student enrolled in the RN-M.S.N. track could decide to pursue the B.S.N. degree only and would not lose any credits toward this degree. Students currently enrolled in an associate degree program who plan on applying for the RN-M.S.N. track are strongly encouraged to contact the graduate advisor as early as possible in their associate degree program.

### Admission requirements for the RN-M.S.N. track

- The student must apply and be accepted into the College of Graduate Studies. A separate departmental application for the RN-M.S.N. track must also be completed. This application is available on the departmental website or in the departmental office.
- An associate degree, or diploma, from a nursing program accredited by the National League for Nursing. Graduates from non-accredited institutions may request special consideration.
- A minimum Grade Point Average (GPA) of 3.40 on a 4.00 scale.
- Current unencumbered licensure or eligibility for unencumbered licensure as a registered professional nurse in Texas. Proof of current licensure must be demonstrated by the beginning of the fall term in which nursing courses will be taken.
- An upper division (Junior or Senior level) statistics course completed with a grade of "C" or higher within 5 years.
- A basic computer literacy course (equivalent to 3 SCHs).
- A basic pathophysiology course (equal to 3 SCHs) completed with a grade of "C" or higher.
- Two professional references regarding aptitude for graduate study.\*
- One faculty reference regarding aptitude for accelerated RN-M.S.N. track.
- Prior to taking first graduate level nursing course, student must have completed a minimum of 90 undergraduate hours.
- All other admission requirements for the RN-B.S.N. program, (see Angelo State University's Undergraduate Catalog) and the M.S.N. program, (page 101) must also be met.
- The number of openings in the RN-M.S.N. track is limited. Graduate faculty will evaluate each application and admit the most qualified applicants until all positions are filled.
- A 500 word essay to include educational and professional goals; services; experiences.

The student enrolled in the RN-M.S.N. track must satisfy Angelo State University's undergraduate and graduate residency rules. The student must complete all prescribed B.S.N. courses (17 SCH) at Angelo State University. A maximum of nine (9) SCH of M.S.N. course work may be transferred to Angelo State University. Students must also meet Texas Core Curriculum requirements for the B.S.N. degree.



\* Faculty references may be substituted for professional references if graduation date is less than 3 years.

**Certificates Available in Nursing**

**Certificate Program Admission and Progression Requirements**

- Student must apply and be accepted to the College of Graduate Studies (non-degree seeking status).
- Student must also complete a certificate program application form in the Department of Nursing and Rehabilitation Sciences.
- To receive the Certificate, the student must successfully complete the required courses and have a cumulative grade point average (GPA) for these courses of at least a 3.00.
- Students in the certificate program must comply with the same rules, standards, and requirements as degree-seeking graduate students enrolled in the same courses as part of the required curriculum leading to the Master of Science in Nursing degree, Clinical Nurse Specialist option, refer to the M.S.N. Student Handbook.

**Certificate - Post Master's Certificate Program: Clinical Nurse Specialist (CNS)**

The Clinical Nurse Specialist (CNS) Certificate is available to master's or doctorally prepared nurses as a post-master's certificate program. To enter the program and be eligible for national certification, individuals must hold a master's degree with a major in nursing.

Prerequisites: Nursing 6318, 6324 and 6331.

<b>CNS Certificate Courses:</b>	<b>Hours</b>
NUR 6333 Internship in Advanced Nursing Practice. ....	3
NUR 6335 Role Development: The Advanced Practice Nurse. ....	3
NUR 6343 Adult Health I: Foundations of Advanced Nursing Care of the Adult. ....	3
NUR 6344 Adult Health I: Practicum in Advanced Nursing Care of the Adult. ....	3
NUR 6345 Adult Health II: Diagnosis and Management. ....	3
NUR 6346 Adult Health II: Practicum in Diagnosis and Management. ....	3
NUR 6350 Foundation of Health Promotion for Individuals & Communities. ....	3

Total semester credit hours required. ....21

**Certificate - Post Master's Certificate Program: Family Nurse Practitioner (FNP)**

The Family Nurse Practitioner (FNP) Certificate is available to master's or doctorally prepared nurses as a post-master's certificate program. To enter the program and be eligible for national certification, individuals must hold a master's degree with a major in nursing.

Prerequisites: Nursing 6318, 6324 and 6331.

<b>FNP Certificate Courses:</b>	<b>Hours</b>
NUR 6105 Advanced Skills for Advanced Practice Nurses. ....	1
NUR 6325 Family Primary Care I. ....	3
NUR 6326 Family Primary Care II. ....	3
NUR 6327 Family Primary Care I Practicum. ....	3
NUR 6335 Role Development: The Advanced Practice Nurse. ....	3
NUR 6336 Family Primary Care II Practicum. ....	3
NUR 6337 Integrated Clinical Practice: FNP. ....	3
NUR 6350 Foundation of Health Promotion for Individuals & Communities. ....	3
NUR 6351 Mental Health Concepts for Advanced Practice Nurses. ....	3

Total semester credit hours required. ....25

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Certificate - Post Master's Certificate Program: Nurse Educator

The Department of Nursing and Rehabilitation Sciences offers a four course (12 SCH) Education Certificate Program designed to develop expertise in the teaching of nursing students enrolled in a variety of educational programs. All courses in the Education Certificate Program are offered in a convenient online format. The program will benefit Registered Nurses with a non-nursing master's degree, or M.S.N. graduates wanting to develop expertise in curriculum development, teaching strategies including online strategies, and evaluation. Students enrolled in the certificate program will also have the opportunity to partner with a faculty member in a variety of practical experiences, including clinical and lab instruction as well as didactic instruction.

Nursing Educator Certificate Program Courses	Hours
NUR 6306 Teaching Strategies in Nursing Education . . . . .	3
NUR 6307 Evaluation in Nursing Education . . . . .	3
NUR 6308 Practicum in Nursing Education . . . . .	3
NUR 6319 Curriculum and Instruction in Nursing Education. . . . .	3
Total semester credit hours required. . . . .	12

Certificate - Post Master's Certificate Program:  
Registered Nursing First Assistant (RNFA)

This is a post-master's certificate program designed for certified advanced practice nurse with little or no perioperative nursing experience who wish to become an RN First Assistant during operative and other invasive procedures. This program is based on the Association of Perioperative Registered Nurses (AORN) educational guidelines and core curriculum. The program consists of a two course sequence that must be taken in order or concurrently. Students will complete a three (3) semester credit hour didactic portion and a four (4) semester credit hour (180 clock hours) precepted clinical internship. The didactic class will be conducted online with a two-day onsite lab component. The clinical internship will be at a site selected by the student. The internship will be supervised by a surgeon mentor/preceptor and will consist of supervised clinical activities, cast studies, surgical intervention log and independent learning activities.

Prerequisites for the program include Certification as an Advanced Practice Nurse, BCLS (ACLS Preferred), and basic computer skills.

RNFA Program Courses	Hours
NUR 6309 Role of the RNFA . . . . .	3
NUR 6401 RNFA Practicum. . . . .	4
Total semester credit hours required. . . . .	7

Master of Science in Nursing (M.S.N.) Degree in Nurse Practitioner Studies, Jointly  
offered with Texas Tech University Health Sciences Center (TTUHSC)

TTUHSC School of Nursing and ASU Department of Nursing and Rehabilitation Sciences have developed a collaboration to jointly offer the Master's Degree in Nursing for the Nurse Practitioner specialization in three tracks: Acute Care Nurse Practitioner [ACNP], Geriatric Nurse Practitioner [GNP], and Pediatric Nurse Practitioner [PNP]. The joint M.S.N. Nurse Practitioner degree program is designed for the degree to be awarded by the TTUHSC in collaboration with ASU. Twenty-seven (27) of the 48 credit hours will be offered by TTUHSC and 21 of the 48 credit hours will be offered by ASU. All ASU courses are available on-line. The TTUHSC curriculum will be offered through web-based technologies and Health-Net, a two-way interactive video system that links Lubbock with all regional campus locations (Odessa, Hill Country Fredericksburg/Kerrville, Marble Falls/Highland Lakes). San Angelo students may attend classes at a TTUHSC School of Nursing campus location of their choice. All students in the FNP program must take some required classes that are held exclusively at the Lubbock campus (e.g., Graduate Symposium and skills for suturing, radiology). Upon completion of core and prerequisite courses at Angelo State, students will file an application at TTUHSC to complete the Master's Degree. Students must meet all admission requirements for both programs. Please contact the graduate advisor in the Department of Nursing and Rehabilitation Sciences for more information.

## Courses in Nursing (NUR)

**NUR 6103 Professional Scholarship (0-0-3).** Provides for the synthesis of previous knowledge into a framework for advanced practice. In collaboration with a faculty member, the student contracts for a clinically-focused, research-based scholarly activity which may include, but is not limited to, the following: research proposal, development/implementation/publication of a scholarly paper, special project, or grant proposal.

Prerequisite: Nursing 6301.

**NUR 6301 Design and Methodology of Quantitative and Qualitative Research (3-0-0).** This course is designed to extend the students' knowledge of the research process as a basis for advanced nursing practice. Students explore the philosophy, logic and methods of both quantitative and qualitative research in clinical practice by focusing on the relations between research and clinical practice, the research process, and both experimental and non-experimental designs. This course prepares students to critically evaluate published research, and to utilize research findings to guide practice, select interventions, evaluate course outcomes and identify problems to be addressed by future research.

**NUR 6313 Theoretical Foundations of Advanced Nursing (3-0-0).** This course is designed to extend the learner's knowledge of nursing theory as a basis for advanced nursing practice with individuals and aggregates in a multi-cultural society. This course examines philosophical and theoretical bases underlying concepts and operations essential to nursing. Theories from other disciplines are considered for their influence on the development of nursing theory and on the practice of nursing. Students will analyze, compare, and evaluate selected theories utilized in advanced nursing practice.

**NUR 6317 Health Policy and Ethics (3-0-0).** This course is designed to explore external and internal forces that impact on the delivery of health care. Content focuses on historical, current, and predicted health care policies formulated at the local, state, and national levels. Health care delivery models, economics, ethical issues, and emerging roles of professional nursing practice are examined.

Prerequisite: Graduate standing.

**NUR 6318 Pharmacotherapeutics (3-0-0).** This course focuses on the study of advanced pharmacologic principles of drug therapy used by nurses in advanced practice.

**NUR 6324 Advanced Pathophysiology (3-0-0).** A study of the function of the human body as it is altered by and responds to disease, including disease manifestations, mechanisms of disease production and response, and the physiological basis of diagnostic and therapeutic procedures. This course provides coverage of human diseases organized by the body system which they affect.

Prerequisite: Biology 3324 or equivalent.

**NUR 6331 Advanced Health Assessment (2-0-3).** This course presents the theoretical and clinical principles of advanced health assessment supported by related clinical experiences for the advanced practice nursing student to gain the knowledge and skills needed to perform comprehensive assessments to acquire data, make diagnoses of health status and formulate effective clinical management plans of patients with common, acute, and chronic health issues. A 45 clock hour practicum provides opportunities to practice advanced health assessment skills.

Prerequisite: Graduate standing.

**NUR 6356 Statistical Analysis in Health Care Research (3-0-0).** Examines applications of statistical concepts to data collected in health care research. Topics will include basic descriptive measures; sampling and sample size estimation; testing for differences between means, correlation, and measures of association; techniques for analyzing categorical data; and summarizing and presenting statistical results. The use of computer packages for assisting in data analysis will be emphasized throughout the course.

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### Advanced Practice Registered Nurse (Clinical Nurse Specialist) Courses

**NUR 6333 Internship in Advanced Nursing Practice (0-0-9).** This course focuses on the integration and synthesis of the Adult Health Clinical Nurse Specialist (CNS) role. Students work with preceptors to implement and evaluate advanced practice in a clinical setting. Focus is on theoretical and practical knowledge needed to contribute to the management of common acute and chronic health deviation in adults. Further development of clinical decision making skills incorporating nursing and medical diagnoses, disease management and treatment including prescriptive practice is emphasized. Students complete 185 clock hours of practicum.

Prerequisites: Nursing 6318, 6324, 6331, 6343, 6344, 6345, 6346.

**NUR 6335 Role Development: The Advanced Practice Nurse (3-0-0).** This course provides the student with information regarding theory and application of the multiple roles of the advanced practice nurse within the health care system. Environment of change, conflict resolution, professional collaboration, clinical practice outcome measurement will be discussed.

**NUR 6343 Adult Health I: Foundations of Advanced Nursing Care of the Adult (3-0-0).** This course addresses the role of the Adult Health Clinical Nurse Specialist as an Advanced Practice Nurse. The content includes analysis of the theoretical and empirical knowledge of illness and wellness phenomena that can be caused or contributed to by disease or nondisease etiologies. Focus is on health promotion and maintenance, risk reduction and evidence-based management of symptoms and functional problems for adult nursing clients. Nursing's unique contribution to patient care and collaboration with other health care professionals is emphasized.

**NUR 6344 Adult Health I: Practicum in Advanced Nursing Care of the Adult (0-0-9).** Guided clinical experience providing the opportunity to apply an individual advanced nursing practice model relating to health promotion, maintenance and restoration in a selected area of emphasis. Students have the opportunity to apply pathophysiological and psychosocial theories and concepts in the care of adult patients. Focus is also on the acquisition of skills in the roles of the clinical nurse specialist. Students complete 115 clock hours of practicum.

Prerequisites: Nursing 6318, 6324, 6331.



**NUR 6345 Adult Health II: Diagnosis and Management (3-0-0).** This course discusses the role of the advanced practice nurse as a member of an interdisciplinary team managing common acute and chronic health deviation in adults. Assimilating knowledge from advanced assessment, advanced pathophysiology, and advanced pharmacotherapeutics, emphasis is placed on developing diagnoses, treatment plans, referral criteria and the implementation of protocols within the scope of advanced practice. Grading will be on a pass/fail basis.

Prerequisites: Nursing 6318, 6324, 6331, 6343, 6344.

**NUR 6346 Adult Health II: Practicum in Diagnosis and Management (0-0-9).** Guided clinical experience to acquire skills to diagnose and manage common acute and chronic health deviations in adults and the development of protocols within the scope of advanced practice. Students complete 115 clock hours of practicum.

Prerequisites: Nursing 6318, 6324, 6331, 6343, 6344.

**NUR 6350 Foundations of Health Promotion for Individuals and Communities (2-0-3).** This course focuses on the advanced practice nurse's role in promoting health across the lifespan and at multiple levels. Emphasis is on the integration of skills to develop competence in the teaching-coaching function of the advanced practice nurse. Explores various models of health promotion and early disease detection and the application of health promotion strategies. Epidemiology and the transmission of disease will also be discussed. Students complete 45 clock hours of practicum.

Prerequisite: Graduate Standing.

## **Advanced Practice Registered Nurse (Family Nurse Practitioner) Courses**

**NUR 6105 Advanced Skills for Advanced Practice Nurses (0-3-0).** This course focuses on the development of essential advanced practice nursing skills to perform procedures in primary care practice. Diagnostic methods and procedures for patients of all ages will be included in an on campus 45 hour lab.

Prerequisites: Nursing 6318, 6324, 6331.

Corequisites: Nursing 6325 and Nursing 6327.

**NUR 6325 Family Primary Care I (3-0-0).** Focus on the transition from RN to Family Nurse Practitioner in the diagnosis and management of common acute and chronic conditions across the lifespan in a primary care setting. As a provider of family-centered care emphasis is placed on health promotion, risk reduction and evidence-based management of common symptoms and problems. Nursing's unique contribution to patient care and collaboration with other health care professionals is emphasized.

Prerequisites: Nursing 6318, 6324, 6331.

Corequisites: Nursing 6105 and Nursing 6327.

**NUR 6326 Family Primary Care II (3-0-0).** Focus is on the progression in the role of the Family Nurse Practitioner in the diagnosis and management of common acute and chronic conditions across the lifespan in a primary care setting. As a provider of family-centered care emphasis is placed on health promotion, risk reduction, and evidence-based management of more complex symptoms and problems. Nursing's unique contribution to patient care and collaboration with other health care professionals is emphasized.

Prerequisites: Nursing 6105, 6318, 6324, 6325, 6327, and 6331.

Corequisite: Nursing 6336.

**NUR 6327 Family Primary Care I Practicum (0-0-9).** A guided clinical experience providing the opportunity to apply family centered primary care related to health promotion and evidence-based diagnosis and management of common acute and chronic conditions across the lifespan. Students complete a minimum of 140 clock hours of practicum. Grading is Pass/Fail.

Prerequisites: Nursing 6318, 6324, 6331.

Corequisites: Nursing 6105 and Nursing 6325.

**NUR 6335 Role Development: The Advanced Practice Nurse (3-0-0).** This course provides the student with information regarding theory and application of the multiple roles of the advanced practice nurse within the health care system. Environment of change, conflict resolution, professional collaboration, clinical practice outcome measurement will be discussed.

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**NUR 6336 Family Primary Care II Practicum (0-0-9).** A guided clinical experience in the progression of the role of providing family centered primary care related to health promotion and evidence-based diagnosis and management of common and complex acute and chronic conditions across the lifespan. Students complete a minimum of 140 clock hours of practicum. Grading is Pass/Fail.

Prerequisites: Nursing 6105, 6318, 6324, 6325, 6327, and 6331.

Corequisite: Nursing 6326.

**NUR 6337 Integrated Clinical Practice: FNP (0-0-9).** A guided clinical experience to synthesize skills acquired and to refine abilities in primary family centered care related to health promotion and the diagnosis and management of common acute and chronic conditions across the lifespan. Students have the opportunity to refine evidence-based pathophysiological and psychosocial interventions, theories, and concepts of care. Students complete a minimum of 200 clock hours of practicum. Graded pass "P" or fail "F".

**NUR 6350 Foundations of Health Promotion for Individuals and Communities (2-0-3).** This course focuses on the advanced practice nurse's role in promoting health across the lifespan and at multiple levels. Emphasis is on the integration of skills to develop competence in the teaching-coaching function of the advanced practice nurse. Explores various models of health promotion and early disease detection and the application of health promotion strategies. Epidemiology and the transmission of disease will also be discussed. Students complete 45 clock hours of practicum.

Prerequisite: Graduate Standing.

**NUR 6351 Mental Health Concepts for Advanced Practice Nurses (2-0-3).** This course focuses on the development of advanced practice nursing skills in mental health. Specifically, the application of evidence-based knowledge and critical thinking skills in providing clinical management of individuals with common psychiatric-mental health problems across all age groups. Developmental assessment, crisis intervention, pharmacological management, and therapies are discussed as well as consultation and referral to other mental health professionals (45 hour clinical practicum.)

### Nurse Educator Courses

**NUR 6306 Teaching Strategies in Nursing Education (3-0-0).** This course is designed to explore the knowledge and competencies needed to develop and apply innovative strategies and technologies in classroom, laboratory, and clinical settings. Strategies for distance and web-based learning are also addressed.

**NUR 6307 Evaluation in Nursing Education (3-0-0).** This course focuses on knowledge and skills needed to design and evaluate tests and scales constructed to measure academic achievement. Practical components of test item construction, essay evaluation, and clinical/laboratory performance evaluation is incorporated. This course also focuses on the essential components of academic program evaluation, including outcomes assessment and accreditation processes and procedures.

**NUR 6308 Practicum in Nursing Education (0-0-9).** A guided experience where the student, with faculty supervision, will teach in selected situations including classroom, laboratory, and clinical facilities. In addition, students will also have practical experiences in web-based and distance learning. Students will design, implement, and evaluate teaching strategies related to identified educational outcomes. The student will complete a 115 clock-hour practicum. Grading is Pass/Fail.

Prerequisites: Nursing 6306, 6307, 6319.

**NUR 6319 Curriculum and Instruction in Nursing Education (3-0-0).** This course explores the nature of curriculum development in higher education based on educational theories and principles. It focuses on the development of curricula for a variety of academic programs in nursing education and the design of teaching and learning strategies for their implementation and evaluation. Factors influencing curriculum, student, faculty, and administrator roles are explored.

### Registered Nurse First Assistant Courses

**NUR 6309 Role of the RNFA (3-0-0).** This course focuses on the role of the advanced practice nurse as a Registered Nurse First Assistant (RNFA). The content utilizes the RNFA Core Curriculum to introduce the advanced practice nurse to the operating room environment and to the RNFA role. Emphasis is placed on surgical anatomy and physiology, principles of asepsis, surgical hazards, first assisting techniques, and scope of practice.

**NUR 6401 RNFA Practicum (0-0-12).** A guided clinical experience to acquire skills to function as a first assistant in surgery. Students will engage in supervised clinical activities and complete a surgical first assisting log. Case studies and independent learning activities will be required. Four semester credit hours will be received for validated documentation of 180 clock hours of internship in a clinical setting. Grading is Pass/Fail.

### Additional Offerings

**NUR 6381 Special Topics (3-0).** A seminar in selected topics in nursing. (May be repeated once for credit when topic varies.)

**NUR 6391 Research.** Individual research in nursing. (May be repeated once for credit. Prior approval of instructor and department chair required.)



## Physical Therapy

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### **College of Health and Human Services:**

**Department of Nursing and Rehabilitation Sciences**

**Department Chair: Susan S. Wilkinson**

**Program Advisor: Shelly D. Weise**

**E-mail: [shelly.weise@angelo.edu](mailto:shelly.weise@angelo.edu)**

**Office: Vincent Building, Room 237**

**Telephone: (325) 942-2545, Fax: (325) 942-2548**

**Web address: ([www.angelo.edu/dept/physical\\_therapy](http://www.angelo.edu/dept/physical_therapy))**

**Graduate Faculty:** Braden, Hasson, Hung, Ko, Mason, Weise.

**Clinical Graduate Faculty:** Hughes, Lewis.

### **Doctor of Physical Therapy (D.P.T.) Physical Therapy**

The Department of Nursing and Rehabilitation Sciences offers a 36-month entry-level, graduate professional program leading to the Doctor of Physical Therapy degree. Students begin their lock-step, sequenced professional course of study first summer term, with a total combination of nine (9) terms to complete the full-time curricular course of study. Clinical science courses cannot be taken out of sequence. No part-time options are available. Each cohort is limited to a maximum of 26 students.

This program offers several unique opportunities rarely found elsewhere in other Texas physical therapy programs. The unparalleled Carr Graduate Scholarship program offers a unique scholarship opportunity to highly qualified students to earn the Doctor of Physical Therapy degree with nearly all tuition paid.

Our commitment is to develop the ability of student physical therapists to think independently through facilitated learning, small group activities, tutorials, and evidence-based practice; to weigh values; to understand fundamental physical therapy theory; and to develop skills for clinical practice through multiple exposures to clinical experiences in a variety of unique in- and out-of-state settings. ASU's distinctive high faculty-to-student ratio provides greater opportunities for interactive learning in our problem-oriented, competency-based, contemporary curriculum based on primary body systems (cardiopulmonary, integumentary, musculoskeletal and neurosensory). The Department of Nursing and Rehabilitation Sciences houses state-of-the-science facilities. This includes six skills laboratories available for manual therapy, orthopedic and wound care instruction, electrotherapy, gait analysis and neuroscience. Three dedicated faculty/student research labs, a fine motor motion analysis lab, a gross motor motion analysis lab, a cardiopulmonary lab, and a gait and balance lab are designed to support student experiences and faculty/student research. Two multi-purpose classrooms and a human anatomy lab have also been dedicated to our program.



## Program Mission

The mission of the Physical Therapy Program, consistent with Angelo State University, is to provide quality education, research and service and to ultimately improve the functional outcome of clients who receive physical therapy services. Faculty members engage in service, contribute to the body of knowledge through advanced clinical research and prepare graduates to be competent clinicians in general practice. Through this mission, graduates of the physical therapy program are prepared to:

- Provide the highest level of service with professionalism and sensitivity for the uniqueness of all individuals.
- Apply the principles of logic and the scientific method.
- Engage in clinical decision making and problem solving based on examination and intervention choices that are defensible and reflect evidenced base practice.
- Provide coordination, communication and documentation consistent with a collaborative team approach.
- Serve as advocates and educators for clients and the profession.
- Uphold a high level of legal and ethical practice
- Become active participants in organizations that promote the values of the profession and/or endeavor.

## Program Philosophy

The profession of physical therapy is an integral and essential part of the health care delivery system. The quality of care provided by physical therapists, to a broad spectrum of citizens of all ages and backgrounds in a variety of practice environments, has been a catalyst for the profession's expanding role. The primary purpose of physical therapy is to promote, restore and maintain optimal human function. Physical therapists, as autonomous health care providers, will collaborate with other providers in the system to examine, intervene and prevent human movement dysfunction.

The Physical Therapy Program at Angelo State University recognizes its responsibilities as part of a research, teaching and service institution. The challenge of discovering new knowledge complements the opportunity faculty have to prepare students who will provide compassionate and efficacious and defensible examinations, interventions and referrals to the residents of the region, state and nation. Collectively and individually, the faculty will make contributions to the scholarship, teaching and service roles that professional education at the graduate level requires.



# Physical Therapy

## Admission Requirements

Admission into the physical therapy degree program will be limited to 26 students per year. Applicants interested in pursuing the degree must successfully pass through a two-stage process.

Admission Requirements:

- Bachelor's degree with a minimum GPA of 3.00 on 4.00 scale.
- Score minimum of 2500 points using the formula:  $(300 \times \text{overall undergraduate GPA or last 60 hours}) + \text{GRE Verbal} + \text{GRE Quantitative} + \text{GRE Analytical Writing Conversion (AWC)}$ . Please call the Graduate Studies Office for the GRE AWC conversion.
- Minimum overall grade point average (GPA) of 3.00 on a 4.00 scale on prerequisites below. Your last grade attained will be used for repeat prerequisite courses to calculate the prerequisite GPA.
- Minimum of 50 volunteer/employment observation hours (at least two different settings). The 50 hour total may be completed at the SAME clinical site, if a variety of patient/client mix is available. Documentation of hours, days, time and type of clients observed must be provided and signed by a licensed physical therapist (include physical therapist's license number in the documentation). A volunteer hour recording form is available from the Physical Therapy Program, but is not required.
- Three recommendations (health related, academic and personal) using the recommendation form available online.
- Essay (500 words or less).
- Self-report transcript form online.
- Minimum GRE of 1000 (verbal and quantitative).

## Transfer Policy

Students from another physical therapy professional education program desiring to pursue a DPT degree from Angelo State university (as a transfer student) will be advised to follow the ASU DPT standard admissions process. Advanced placement or transfer credits may be considered in this lock-step program, and will be evaluated on a case-by-case basis.



## Physical Therapy

### PREREQUISITE COURSES

Discipline	Credit Hours	General Course	ASU Course Number
Anatomy	4 semester hours	Human Anatomy	BIO 2423 (with lab)
Physiology	4 semester hours	Human Physiology	BIO 2424 (with lab)
Upper Level Anatomy or Physiology *	4 semester hours	General Physiology or Microbiology or Pathogenic Microbiology or Immunology or Histology or Developmental Biology	BIO 4423 or BIO 3411 or BIO 3412 or BIO 3413 or BIO 3421 or BIO 4421
Chemistry	8 semester hours	General Chemistry	CHEM 1411 & CHEM 1412 (includes labs)
Math **	3-6 semester hours	Algebra & Trigonometry or better (ie, precalculus, calculus, etc)	MATH 1302 & 1303 (or 1561)
Physics	8 semester hours	General Physics	PHYS 1421 & PHYS 1422 (includes labs)
Technical Writing ***	3 semester hours	Technical Writing	ENG 3351
Psychology	6 semester hours	General Psychology Developmental Psychology Abnormal Physiological Psychology	PSY 2301 <u>and</u> PSY 2304 <u>or</u> PSY 4305 <u>or</u> PSY 4313
Statistics	3-4 semester hours	Statistical Techniques for Health Professionals Statistics Introduction to Biometry Intermediate Statistics and Research Methods	NUR 4337 (preferred), <u>or</u> MATH 3321 <u>or</u> BIO 4480 <u>or</u> PSY 3321
Medical Terminology	2-3 semester hours	Contact department	

Students may prepare for admission to the ASU Physical Therapy program by completing a U.S. baccalaureate degree (or equivalent) from any undergraduate degree plan and include the prerequisite courses listed above. Majors in all fields are given equal consideration.

\* 8 total hours in anatomy and physiology required and 4 hour upper level biology; prefer General Physiology, but other ASU courses listed accepted.

\*\* Both algebra and trigonometry are needed if applicants do not have 3 hours of pre-calculus or better.

\*\*\* Or evidence of intensive writing course or a score of 4.5 or better on the GRE Analytical Writing. Freshman level composition courses are not accepted as substitute.

# Physical Therapy

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## Admission Stage I: Submission of Application Materials to the Graduate Studies Office.

### 1. Complete College of Graduate Studies Application.

### 2. Compose essay.

An essay of no more than 500 words (typed in 12-point type with one inch margins) that describes your educational plans, career objectives, commitment to your particular field of study, any research experience, your view of research and possible research interests, and personal goals. The essay may also address any of the following factors which are qualities that will be acknowledged in the admission process:

- Socioeconomic history
- Family background (including level of educational attainment)
- Personal talents, leadership capabilities, community service.

### 3. Pay application fee.

Pay an application fee of \$40 with check payable to "Angelo State University." International student's application fee is \$50 and should be paid by international postal money orders only.

### 4. Order academic transcripts.

Have one official transcript from each college/university you have attended (except Angelo State University) sent directly from each college/university to the ASU College of Graduate Studies. **All college/university transcripts that arrive in a sealed envelope will be considered "official" even if hand-carried in by the student.** Although it must be emphasized that you have to send official transcripts, we encourage you to provide us with unofficial (personal) copies of your transcripts as soon as possible so we can calculate your GPA. Please be aware that the GPA is calculated using all grades, even those on repeated courses.

### 5. Request that an official copy of your General GRE Test Scores be sent directly to ASU from the Educational Testing Service. GRE scores cannot be more than five years old.

#### GRE information:

Educational Testing Service  
Princeton, NJ 08540

(800) 473-2255

website: ([www.gre.org](http://www.gre.org))\*

ASU Institution Code: 6644

### 6. Complete a Self Report Transcript.

### 7. Complete a Proof of Volunteer Hours form.

Applicants must complete a total of 50 hours in 2 different areas of clinical practice.

### 8. Send three Letters of Reference to the College of Graduate Studies using the Recommendation Form.

### 9. Complete the Graduate Application Checklist.

**International Applicants must submit official TOEFL or IELTS Scores. TOEFL or IELTS scores cannot be more than two years old.**

#### TOEFL information:

Educational Testing Service  
Princeton, NJ 08540

(800) 468-6335

website: ([www.toefl.org](http://www.toefl.org))\*

ASU Institution Code: 6644

If the applicant clears the Admission Stage I process, written notification of advancement to Stage II from the College of Graduate Studies will be sent to the applicant. Then, the applicant must submit a \$25 physical therapy processing fee to the Physical Therapy Program before Stage II can begin.

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\* International students should visit the College of Graduate Studies website for more information requirements. ([www.angelo.edu/dept/grad\\_school/admission\\_info/international.html](http://www.angelo.edu/dept/grad_school/admission_info/international.html))

## **Criteria for Stage II:**

Once the \$25 Physical Therapy processing fee has been received from the applicant by the Physical Therapy Program, the Physical Therapy Admissions Committee will review the applicant's file. Qualified applicants will be called regarding an interview. Up to 26 individuals will be recommended to the Dean of the College of Graduate Studies for admission into the D.P.T. program. Only written notice from the Dean of the College of Graduate Studies constitutes approval of admission.

Applicants who meet the stated criteria for program admission and were placed on the alternate list because of class size limitations will be reconsidered should a vacancy occur.

Prior to program admission, the student must provide documentation of the following:

- Health insurance,
- Physical examination and up-to-date shot record,
- Professional CPR certification,
- Basic first aid certification,
- Criminal background check.

## **Standards for Continuation in the Physical Therapy Program**

- Successful completion at mastery level of each physical therapy course.
- An overall grade point average of 3.00 or better on the 4.00 scale must be maintained.
- Students may not progress to any of the full-time clinical rotations without successful completion at mastery level of each previously sequenced foundational and clinical science course.
- Each student physical therapist must demonstrate safe performance in the classroom, laboratory, and clinical setting at all times.
- Student physical therapists must accept responsibility for demonstrating physical and emotional health, adhere to the Code of Ethics and Standards of Practice of the American Physical Therapy Association, and adhere to the rules and regulations as defined in the current Physical Therapy Practice Act of the State of Texas.
- Progress to and maintain generic ability levels established by the program prior to progressing to each full-time clinical internship.

Should a student physical therapist be dismissed from the program for failure to maintain any of these standards, the student may appeal dismissal to the Dean of the College of Graduate Studies through the Chair of the Department of Nursing and Rehabilitation Sciences.

## **Unsafe Clinical Practice**

The nature of clinical physical therapist courses is such that student physical therapists are involved in the direct delivery of patient care services. The primary purpose of any course is to provide education for students. However, when direct patient care is involved in the learning experience, the safety and well-being of patients and clients are also of paramount concern. Physical therapist supervised clinical experiences are structured so that as students progress through the program, they are expected to demonstrate increasing independence and competence in providing physical therapist care.

Students are expected to demonstrate achievement of clinical objectives by the end of each full time clinical course. If, in the Academic Coordinator of Clinical Education or Clinical Instructor's professional judgment, a student is unable to provide competent care to patients and clients as delineated in the Clinical Education Handbook and the APTA Standards of Practice (current edition) and if this deficit is such that the faculty agree it cannot be remedied in the given clinical time within the limits of available faculty supervision, the student will be removed from the clinical setting and will receive a grade of "F" in the course.

A student whose performance in a clinical rotation is judged to be unsafe by the Academic Coordinator of Clinical Education, based upon established standards for patient/client care, the student may be dismissed from the D.P.T. program at any time upon recommendation of the PT Department Academic Committee to the Chair of the Nursing and Rehabilitation Sciences Department. A student removed from a clinical course under these provisions will be given a failing grade at the time the decision is made.

## Physical Therapy

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Students will be allowed due process as established by University policy and procedures following course failure or program dismissal. Pending a final determination of the case, the status of the student may be restricted both didactically and clinically for reasons of the safety or well-being of persons or property.

### Policies

Each student physical therapist is required to purchase two lab coats, accessories, supplies, and submit proof of health insurance, health exam, first aid certification, required immunizations, and criminal background checks prior to program matriculation. In addition, students must maintain current CPR certification and submit a tuberculosis reading annually. The Angelo State University name tag must be worn for clinical experiences, field experiences and for activities associated with the Physical Therapy Program.

### Disciplinary Action

Any student who demonstrates behavior inconsistent with established physical therapy standards (APTA Code of Ethics, Guide to Professional Conduct, Standards of Practice) and/or the Texas Physical Therapy Practice Act (Rule 322.4, Practicing in a Manner Detrimental to the Public Health and Welfare) and/or personal good cause including, but not limited to medical, physical, or mental incapacity (outside of previous reasonable ADA accommodations), and/or commits a criminal offense (Texas Penal Code 42.10, Abuse of a corpse), and/or violates the Texas State Administrative Code (Title 25 Part 4, Anatomical Board of the State of Texas) constitutes grounds for course failure and immediate removal from the classroom, lab, or clinical experience. In addition, the student who breaches these policies, rules, regulations, laws and/or codes is subject to immediate dismissal from the physical therapy program.

### Facilities

Students in the Doctor of Physical Therapy program are provided with state of the science clinical equipment and laboratory facilities reflective of contemporary physical therapist practice. In addition, student physical therapists rely heavily on the University library, as well as regional medical and non-traditional health care facilities for study and research. A variety of clinical facilities and services are available nationally for full-time clinical internships. Student physical therapists will be offered exposure in such diverse settings as the military, sports care, rural health care, head trauma, research facilities, state and national professional organizations such as the American Physical Therapy Association and the Texas Physical Therapy Association, pediatrics, geriatrics, and alternative medicine settings, depending on the educational needs of the student, the available sites and type of clinical internship, research, and management project path(s) the student chooses to take.

Housed in the Vincent Nursing-Physical Science building, Center for Human Performance building, Cavness building and Science building, the Physical Therapy Program has state of the art equipment and laboratories for examination and intervention learning as well as a cardiopulmonary testing lab and a Gross Motor Motion Analysis lab and Fine Motor Motion Analysis lab. In addition, physical therapy students have access to a TV production room for creating a variety of instructional materials through Information Technology and the Nursing Program. The Lloyd D. and Johnell S. Vincent Nursing-Physical Science Building houses an outstanding simulation lab.

## Program of Study (99 semester credit hours)

### Year I

#### 1st Term Summer - 14 Semester Credit Hours

PT 7710 (4-6-0) Clinical Anatomy . . . . .	7
PT 7311 (2-2-0) Clinical Exercise Physiology . . . . .	3
PT 7412 (3-1-0) Neuroscience . . . . .	4

#### 2nd Term Fall - 16 Semester Credit Hours

PT 7320 (3-0-0) Foundation in Clinical Pathology . . . . .	3
PT 7550 (4-3-0) Fundamentals of Physical Therapist Examination . . . . .	5
PT 7330 (3-1-0) Biomechanical Relationships . . . . .	3
PT 7331 (3-1-0) Motor Control and Clinical Application . . . . .	3
PT 7240 (2-0-0) Evidence Based Practice in PT . . . . .	2

#### 3rd Term Spring - 15 Semester Credit Hours

PT 7651 (3-9-0) Acute Care Management . . . . .	6
PT 7221 (2-0-0) Cardiopulmonary Pathology . . . . .	2
PT 7232 (2-0-0) Foundation for Systems Review . . . . .	2
PT 7241 (2-0-0) Clinical Research for Physical Therapy . . . . .	2
PT 7322 (3-0-0) Musculoskeletal Pathology . . . . .	3

### Year II

#### 4th Term Summer - 6 Semester Credit Hours

PT 7260 (2-0-0) Introduction to Clinical Education and Professionalism . . . . .	2
PT 7233 (2-0-0) Health Care Issues for PTs . . . . .	2
PT 7234 (2-0-0) Education and Communication for Physical Therapy . . . . .	2

#### 5th Term Fall - 9 Semester Credit Hours

##### 1st 8 weeks

PT 7261 (0-0-6) Acute Care Practicum . . . . .	2
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##### Last 7 weeks

PT 7242 (2-0-0) Evidence-Based Practice Seminar I . . . . .	2
PT 7352 (2-2-0) Therapeutic Exercise and Physical Agents . . . . .	3
PT 7235 (2-0-0) Disability Studies . . . . .	2

#### 6th Term Spring - 12 Semester Credit Hours

PT 7653 (4-6-0) Musculoskeletal Examination and Management . . . . .	6
PT 7323 (3-0-0) Neuromuscular Pathology . . . . .	3
PT 7336 (3-0-0) Management of Physical Therapy . . . . .	3

# Physical Therapy

## Year III

### 7th Term Summer - 4 Semester Credit Hours

#### 1st week

PT 7281 (2-0) Special Topics (Elective)

#### Last 10 weeks

PT 7462 (0-0-12) Musculoskeletal Practicum . . . . .4

### 8th Term Fall - 14 Semester Credit Hours

PT 7354 (2-3-0) Essentials of Rehabilitation Practice . . . . .3

PT 7655 (4-6-0) Neuromuscular Examination and Management . . . . .6

PT 7243 (2-0-0) Evidence-Based Practice Seminar II . . . . .2

PT 7337 (3-0-0) Operational Management of Physical Therapy . . . . .3

### 9th Term Spring - 9 Semester Credit Hours

#### 1st 12 weeks

PT 7663 (0-0-18) Neuromuscular Practicum. . . . .6

#### Last 3 weeks

PT 7344 (3-0-0) Evidence-Based Practice Seminar III . . . . .3

## Courses in Physical Therapy (PT)

**PT 7221 Cardiopulmonary Pathology (2-0-0).** A comprehensive presentation of cardiopulmonary diseases. Emphasis is placed on the mechanisms underlying disease and their management as a basis for therapeutic rehabilitative program planning in physical therapy.

**PT 7232 Foundation for Systems Review (2-0-0).** An introductory course in differential diagnosis focusing on identifying signs and symptoms of common medical conditions that mimic the musculoskeletal conditions that are frequently seen for physical therapist intervention. A broad spectrum of clinical sciences will be explored as related to the screening of culturally diverse patient/client population across the life span. Skills necessary to identify and manage patient/client problems that require referral to another health professional will be emphasized.

**PT 7233 Health Care Issues for Physical Therapists (2-0-0).** This course will explore the current regional, state, national, and global issues and trends in health care and their effects on the delivery of physical therapy services. The course will promote awareness of health care delivery systems, role and function of professional organizations, cultural competency, and other contemporary health care issues. Students will have a better understanding of health and wellness and the role of the physical therapist. Information will be provided to allow the student to develop skills to influence health and wellness at multiple levels (individual, family, institution, community, etc).

**PT 7234 Education and Communication for Physical Therapy (2-0-0).** A foundation course for Physical Therapy students with a focus on learning theory and communication strategies. Content areas would include: Role of the Physical Therapist as a teacher; communicating with patient populations, and professional groups and individuals.

**PT 7235 Disability Studies (2-0-0).** This course will introduce the student to the field of disability studies. Disability and chronic illness (CI) are often a major factor influencing an individual and/or family during one's lifetime. People with a disability or CI may be considered a subculture of our society. Physical, cognitive, emotional, social, and cultural factors related to the presence of disability and CI throughout the life span will be explored. Emphasis is placed on those aspects of disability that affect the practice of physical therapy examination and intervention.

## Physical Therapy

**PT 7240 Evidence Based Practice in Physical Therapy (2-0-0).** A foundations course in evidence-based clinical-decision making designed to provide Physical Therapy students with content areas in forming clinical questions, literature search, and critical appraisal of selected literature. Applications will fall within the Physical Therapy Profession Patient/Client Management Model.

**PT 7241 Clinical Research for Physical Therapy (2-0-0).** A foundations course for Physical Therapy students with a focus on clinical research. Content areas would include: patient consent; common clinical research designs; and application of research within the clinical setting.

**PT 7242 Evidence Based Practice Seminar I (2-0-0).** A course for Physical Therapy students to focus on evidence based practice and clinical research following the acute care practicum. Content areas would include: case reporting; critical pathways; and clinical practice guidelines within the acute care clinical setting.

**PT 7243 Evidence Based Practice Seminar II (2-0-0).** A course for Physical Therapy students to focus on evidence based practice and clinical research following the musculoskeletal practicum. Content areas would include: case reporting; clinical practice guidelines; qualitative research; clinical surveys; sequential clinical trials; and single subject designs within the musculoskeletal clinical setting.

**PT 7260 Introduction to Clinical Education and Professionalism (2-0-0).** This course will provide students with a foundation for the full-time practical courses. Students will learn how evaluation methods and tolls will be implemented during the practicums. Students will also learn policies and procedures for clinical education, delegation and supervision of assistants and aides, aspects of documentation, reporting patient progress, and stress and time management. Roles and responsibilities of persons associated with clinical experience courses will be explored. Students will also develop an understanding of the importance of professional behaviors, self-evaluation and personal reflection. The course will include discussion of current issues, laws, rules, regulations, guidelines and ethical codes governing the practice of physical therapy. Emphasis is placed on the importance of ethical and legal practice and on reimbursement.

**PT 7261 Acute Care Practicum (0-0-6).** An eight-week, full-time clinical (320 clock hours) experience at assigned clinical facilities. This initial full-time clinical experience provides student physical therapists with the opportunity to develop competency in the physical therapy management of individuals in the acute and sub-acute setting under close supervision by an experienced, licensed Physical Therapist. Each student is assigned one or two clinical instructors to direct and supervise all patient/client management performed by the student. Grading will be on a Pass/Fail basis.

**PT 7281 Special Topics (2-0).** A seminar in selected topics in physical therapy. (This elective course may be repeated once for credit when topic varies.)

**PT 7311 Clinical Exercise Physiology (2-2-0).** An integrated approach to the study of human physiology as it pertains to physical fitness, activity, performance, and wellness. A scientific basis for connecting physical therapy to physical activity, performance, and health is presented. The course includes presentation of metabolic, nutritional, cellular, physiological and structural systems of the body related to functional activity and performance. The course provides an opportunity for the student physical therapist to develop the skills necessary for implementing activity programs and exercise prescription for the apparently healthy individual.

**PT 7320 Foundation in Clinical Pathology (3-0-0).** A comprehensive presentation of the general principles of disease with an emphasis on general pathology. Focus is on the mechanisms underlying disease and their management as a basis for therapeutic program planning in physical therapy.

**PT 7322 Musculoskeletal Pathology (3-0-0).** Mechanical properties of musculoskeletal tissues will be described. Growth and maintenance mechanisms of the different tissues will be detailed. Diseases and disorders of the musculoskeletal system will be covered. The underlying tissue pathology and clinical symptoms will be addressed from the orthopedic and physical therapy perspective. Therapeutic interventions will be presented.

## Physical Therapy



**PT 7323 Neuromuscular Pathology (3-0-0).** Neuropathologies common to physical therapy practice will be discussed in the context of altered structure and function of the nervous system and the neurologic examination and tests. A focus of the course will be the medical management including surgeries and other interventions of the persons with neurologic pathology.

**PT 7330 Functional Biomechanical Relationships (3-1-0).** An in-depth analysis of natural and pathological mechanisms related to human movement with an emphasis on the primary principles of biomechanics, natural gait and patterns of motion. Incorporated within the course is a study of the pathological mechanisms affecting human movement dysfunction. The course will focus on understanding the mechanical analysis with emphasis on patient rehabilitation.

**PT 7331 Motor Control and Clinical Applications (3-1-0).** Introduction to theories of motor control and motor learning, current methods in human movement science, and their implications for evidence-based practice.

**PT 7336 Management of Physical Therapy (3-0-0).** The goal of this course is to provide comprehensive exposure to management principles and concepts with a focus on their applications and impact in physical therapy practice, management of personnel, and laws and regulations pertaining to physical therapy practice. Students will be provided the opportunity to gain cognition and skills in physical therapy practice management which prepares them as practitioners and future administrators.

**PT 7337 Operational Management for Physical Therapy (3-0-0).** The goal of this course is designed to build upon concepts introduced in Physical Therapy 7336. An integrated approach will be utilized to focus on skills that impact the management of physical therapists. Students will be provided the opportunity to utilize skills in a simulation practice setting and related community based program development, which will prepare them for private practice and potential future administrators.

**PT 7344 Evidence Based Practice Seminar III (3-0-0).** A course for Physical Therapy students to focus on evidence based practice and clinical research following the neuromuscular rehabilitation practicum. The initial focus is to develop competency in critical thinking, problem solving and best practice recommendations for the neuromuscular patient through integration of their own clinical experiences and presentation of peer experiences. The second focus is on completing and presenting the research project - professional paper and portfolio in this culminating course of evidence based practice.

**PT 7352 Therapeutic Exercise and Physical Agents (2-2-0).** This course will explore the interventions of therapeutic exercise and physical agents that are commonly used by physical therapists. Students will develop competency in selection and implementation of therapeutic exercise and physical agents with emphasis on safety, effectiveness, and evidence-based practice.

**PT 7354 Essentials of Rehabilitation Practice (2-3-0).** An exploration of the practice of physical therapists in the areas of diabetes, advanced cardiac, pulmonary and neuromuscular diseases, spinal cord injury, orthotics and prosthetics. Students will develop competency in clinical assessment of functional limitations, identification of appropriate treatment options and implementation of interventions. Students will also develop skills in the management of patients with chronic multi-system problems for comprehensive practice settings. This course integrates clinical reasoning for the complex patient through case scenarios, patient observations and laboratory simulations.

**PT 7412 Neuroscience: Structure and Function (3-1-0).** The structure and function of the central and peripheral nervous system will be investigated with a focus on the neurophysiological analysis that physical therapist use daily. Lab includes dissection of human nervous system material, brain sections, and anatomical models.

**PT 7462 Musculoskeletal Practicum (0-0-12).** A ten-week, full-time (400 clock hours) clinical experience in an out-patient, orthopaedic setting. This clinical experience provides student physical therapists with the opportunity to develop competency in the physical therapy management of individuals with all levels of musculoskeletal system dysfunction under close supervision by an experienced, licensed Physical Therapist. Each student is assigned one or two clinical instructors to direct and supervise all patient/client management performed by the student. Grading will be on a Pass/Fail basis.

**PT 7550 Fundamentals of Physical Therapist Examination (4-3-0).** An introductory course in the basic categories of clinical tests and measures utilized in the examination of patients/clients seen for physical therapy services as described in the Guide to Physical Therapy Practice. Indications for test selection, administration, data collection and interpretation and documentation of data are emphasized.

**PT 7651 Acute Care Management (3-9-0).** An exploration of the practice of licensed physical therapists in the acute care setting. Students will develop competency in clinical examination and evaluation of impairments and functional limitations, identification of appropriate intervention options, and implementation of a plan of care to improve performance of functional activities for patients commonly encountered in acute care practice settings. In addition, this course integrates curricular content in acute care with clinical practice through critical thinking, problem solving, and clinical experiences.

**PT 7653 Musculoskeletal Examination and Management (4-6-0).** This course provides the DPT entry-level physical therapist with the knowledge and skill sets to effectively manage patients/clients with musculoskeletal dysfunctions. Elements of patient management include examination, evaluation and diagnosis with special attention to differential diagnosis and screening strategies, identification of patient/client problems, prioritization of goals, treatment selection and provision including manual therapy techniques. Critical appraisal of musculoskeletal test characteristics, critical thinking, and evidence-based practice are emphasized.

**PT 7655 Neuromuscular Examination and Management (4-6-0).** Using the Guide to Physical Therapy Practice and current evidence, student physical therapist will utilize neurologic examination, tests, and measures to diagnosis and implement interventions designed to address neuromotor dysfunction in a culturally competent manner. Interventions will be grounded in the foundational movement science and evidence-based practice.

**PT 7663 Neuromuscular Practicum (0-0-18).** A twelve-week, full-time (480 clock hours) clinical experience in a long-term rehabilitation setting. This clinical experience provides student physical therapists with the opportunity to develop competency in the physical therapy management of individuals with cardiopulmonary, neuromuscular and/or multisystem dysfunction under close supervision by an experienced, licensed Physical Therapist. Each student is assigned one or two clinical instructors to direct and supervise all patient/client management performed by the student. Grading will be on a Pass/Fail basis.

**PT 7710 Clinical Anatomy (4-6-0).** Laboratory intensive course designed to reflect depth and breadth of foundational medical and clinical science knowledge of gross anatomical structures. Development of advanced understanding of functional, clinical, and kinesiological significance of integumentary, cardiopulmonary, musculoskeletal, and neurosensory systems is emphasized.

## Professional Education

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**College of Education: Department of Teacher Education**

**Department Chair: Linda N. Lucksinger**

**Program Advisor: Donna Beth Gee**

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**Graduate Faculty:** Banker, Bullion-Mears, Eisenwine, Evans, Gee, Hakes, Lucksinger, Maxedon, Purkiss, Solomon.

### Master of Education (M.Ed.) Professional Education

*Teacher Education Department Mission Statement:* The Teacher Education Department faculty at Angelo State University prepares professional education leaders to have the knowledge, skills, and dispositions to meet changing societal needs in diverse school and community settings. The Teacher Education Department at Angelo State University develops reflective candidates who embrace student-centered learning in successful partnerships with diverse families, schools, and communities.

The graduate faculty in the Department of Teacher Education are actively involved in research, development of new pre-service teacher education models, and in-service education programs throughout the region served by Angelo State University.

The Master of Education in Professional Education is a thirty-six (36) semester credit hour degree with program options designed to meet a broad range of career goals for those who are interested in graduate level skills in Professional Education. The format and courses are tailored to meet the needs of lifelong learners focused on Professional Development that maximize their individual strengths and interest areas.

The M.Ed. in Professional Education includes options for specializations in:

- Early Childhood
- Elementary Education
- English As A Second Language
- Literacy Studies
- Reading Specialist
- Special Education

For those interested in Initial Teacher Certification EC-6 Generalist you must apply to and be accepted into the Educator Preparation Program (EPP).

For those holding teacher certification in Texas, the option to add certification in English as a Second Language (EC-12) and/or Reading Specialist is available.

# Professional Education

## Degree Requirements

The Master of Education in Professional Education degree (36 SCH) offers options for specializations in several areas. Consultation with the program advisor is required. The degree must be completed within 6 years.

### Foundation Courses Core (9 SCH required)

	Hours
ED 6327 Social and Cultural Influences on Learning . . . . .	3
ED 6351 Human Growth and Development * . . . . .	3
ED 6391 Research . . . . .	3

### Professional Education (12 SCH required)

ED 6310 Curriculum and Methodology Trends . . . . .	3
ED 6329 Learning Theories * . . . . .	3
ED 6330 Behavior Management * . . . . .	3
ED 6362 The Education for Exceptional Children * . . . . .	3

### Specialization Area Option:

Select a specialization area from the following in consultation with program advisor . . . . .15

Total semester credit hours for Master of Education in Professional Education . . . . .36

## Specialization Areas

Specialization area options are designed to meet a broad range of career goals for those who are interested in graduate level skills in Professional Education. The format and courses are tailored to meet the needs of lifelong learners focused on Professional Development that maximize their individual strengths and interest areas.

### Early Childhood (15 SCH required)

Select from the following in consultation with program advisor.

ED 6312 A Survey of Literature for Children. . . . .	3
ED 6340 Multicultural Literature for Children and Young Adults . . . . .	3
ED 6364 Methods and Materials for Teaching Students with Special Needs . . . . .	3
ED 6381 Special Topics or Early Childhood . . . . .	6

### Elementary Education EC-6 (15 SCH required)

Select from the following in consultation with program advisor.

ED 6300 Language Arts in Elementary School. . . . .	3
ED 6302 Development of Social Studies Concepts in the Elementary School . . . . .	3
ED 6303 Inductive Methodology in Elementary School Science * . . . . .	3
ED 6304 Development of Mathematical Concepts in the Elementary School * . . . . .	3
ED 6305 Approaches to Teaching Reading . . . . .	3
ED 6307 Corrective Reading . . . . .	3
ED 6309 Teaching Reading in the Content Field * . . . . .	3
ED 6312 A Survey of Literature for Children. . . . .	3
ED 6322 Technology Application in Education . . . . .	3
ED 6368 Language Disorders of Children . . . . .	3
ED 6381 Special Topics . . . . .	3

\* This is a required course for Initial EC-6 certification. For students interested in Initial EC-6 certification refer to (page 129) for information.

# Professional Education

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**English as a Second Language (ESL) (15 SCH required)**

*The following 12 SCH are required.*

ED 6337 Language Learning: Educational Perspectives . . . . .	3
ED 6340 Multicultural Literature for Children and Young Adults . . . . .	3
ED 6342 Instructional Methods for English Language Learners . . . . .	3
ED 6376 Introduction to ESL Programs in Public Schools . . . . .	3
<i>Select 3 SCH from the following in consultation with program advisor.</i>	
ED 6305 Approaches to Teaching Reading . . . . .	3
ED 6322 Technology Application in Education . . . . .	3
ED 6331 Tests and Measurements in Education. . . . .	3
ED 6381 Special Topics . . . . .	3

**Literacy Studies (15 SCH required)**

*Select from the following in consultation with program advisor.*

ED 6300 Language Arts in Elementary School. . . . .	3
ED 6305 Approaches to Teaching Reading . . . . .	3
ED 6307 Corrective Reading . . . . .	3
ED 6309 Teaching Reading in the Content Field or	
ED 6312 A Survey of Literature for Children . . . . .	3
ED 6379 Management and Supervision of Reading Programs . . . . .	3

**Reading Specialist with certification (27 SCH required)**

**Professional Education Courses (12 SCH required)**

*To meet degree and certification requirements, this specialization area requires different Professional Education courses than currently stated for the program. Select from the following in consultation with program advisor.*

ED 6307 Corrective Reading . . . . .	3
ED 6310 Curriculum and Methodology Trends or	
ED 6362 The Education of Exceptional Children or	
ED 6381 Special Topics . . . . .	3
ED 6329 Learning Theories. . . . .	3
ED 6379 Management and Supervision of Reading Programs . . . . .	3

**Specialization Courses - Reading Specialist (15 SCH required)**

ED 6300 Language Arts in Elementary School. . . . .	3
ED 6305 Approaches to Teaching Reading . . . . .	3
ED 6308 Laboratory Practicum in Reading . . . . .	3
ED 6309 Teaching Reading in the Content Field . . . . .	3
ED 6312 A Survey of Literature for Children. . . . .	3

**Special Education (15 SCH required)**

ED 6361 Psychology of Children with Cognitive Disabilities . . . . .	3
ED 6364 Methods and Materials for Teaching Students with Special Needs . . . . .	3
ED 6377 Issues in the Education of Students with Low Incidence Disabilities . . . . .	3
<i>Select 6 hours in consultation with program advisor. Recommended courses are:</i>	
ED 6322 Technology Application in Education . . . . .	3
ED 6331 Tests and Measurements in Education. . . . .	3
ED 6381 Special Topics . . . . .	3

## Professional Education

### Initial Early Childhood - Grade 6 (EC-6) Certification Option available for M.Ed. in Professional Education

*Consult with program advisor for information related to this option.*

#### Admission to Program

For Initial EC-6 Certification option, **ED 6303, ED 6304, ED 6305** require admission to the Educator Preparation Program (EPP) prior to registration. Candidates must pass the Texas Examination of Educator Standards (TEXES) EC-6 Generalist Pre-Approved Content Test (PACT) and complete 30 clock-hours of public school observation or substitute teaching in order to be admitted to the Educator Preparation Program (EPP). For more information on the PACT test, visit [www.texas.ets.org](http://www.texas.ets.org). A year long internship (ED 5361 in the fall and ED 5362 in the spring) or a one-semester clinical teaching experience (CI 5660) is required for initial certification; however, these hours may not be applied toward 36 SCH degree requirements. Application for certification is the responsibility of the student. [www.angelo.edu/dept/education](http://www.angelo.edu/dept/education)

Prior to enrolling in ED 6303, ED 6304, ED 6305, ED 5361, ED 5362, and CI 5660, candidates must pass the EC-6 Generalist TEXES PACT. Candidates requesting internships must pass the EC-6 Generalist TEXES PACT and be admitted to the EPP before they can be placed on a probationary certificate.

#### Initial EC-6 Certification Option Only

*Consult with program advisor for information related to this option.*

These courses (**ED 6303, ED 6304, ED 6305, ED 6309, ED 6329, ED 6330, ED 6351, ED 6362**) must be completed by post-baccalaureate candidates seeking the Early Childhood-Grade 6 (EC-6) Generalist initial certification **only**. Students are encouraged to enter in the summer I term. See above for Educator Preparation Program admission requirements and course prerequisites.

<b>Courses</b>	<b>Hours</b>
ED 6303 Inductive Methodology in Elementary School Science . . . . .	3
ED 6304 Development of Mathematical Concepts in the Elementary School. . . . .	3
ED 6305 Approaches to Teaching Reading . . . . .	3
ED 6309 Teaching Reading in the Content Field . . . . .	3
ED 6329 Learning Theories . . . . .	3
ED 6330 Behavior Management . . . . .	3
ED 6351 Human Growth and Development . . . . .	3
ED 6362 The Education of Exceptional Children . . . . .	3

#### Internship courses

ED 5361 Internship I . . . . .	3
ED 5362 Internship II . . . . .	3
Total semester credit hours for Initial EC-6 Certification Option . . . . .	30

**For Master of Education in Professional Education degree (36 SCH) 12 additional semester credit hours are required.**

#### Recommendation for Teaching Certificate

To be recommended for standard certification, all candidates must pass the appropriate EC-6 Generalist TEXES and the EC-6 Pedagogy and Professional Responsibilities (PPR) TEXES. Candidates must contact the program advisor to obtain PPR test approval on or near completion of the program.

A criminal background check is required by the State Board of Educator Certification prior to issuance of an educator certificate.

For more information on certification requirements, please visit: [www.angelo.edu/dept/education](http://www.angelo.edu/dept/education)

# Professional Education

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## Courses in Education (ED) \*

**\*\*ED 5361 Internship I.** Required for post-baccalaureate certification candidates seeking to satisfy the teaching requirement by teaching full-time as a teacher of record in an accredited school, jointly supervised by University faculty and school district personnel. This is the first semester of the required two-semester post-baccalaureate Internship. Grading will be on a Pass/Fail basis.

Prerequisite: Must have been accepted into an ASU post-baccalaureate initial teacher certification program that requires acceptance into the ASU Educator Preparation Program.

**\*\*ED 5362 Internship II.** Required for post-baccalaureate certification candidates seeking to satisfy the teaching requirement by teaching full-time as a teacher of record in an accredited school, jointly supervised by University faculty and school district personnel. This is the second semester of the required two-semester post-baccalaureate Internship. Grading will be on a Pass/Fail basis.

Prerequisite: Satisfactory completion of Education 5361 Internship I at Angelo State University.

**ED 6300 Language Arts in the Elementary School (3-0).** Designed to examine the various approaches and current issues in the teaching of language arts in the elementary classrooms, including an intensive study of design, methodology, assessment, and materials.

**ED 6302 Development of Social Studies Concepts in the Elementary School (3-0).** Designed to explore the concepts from the social sciences which may be taught in the elementary school social studies curriculum and to provide intensive study in designing teaching strategies for teaching those concepts.

**ED 6303 Inductive Methodology in Elementary School Science (3-0).** The method of induction developed and applied to specific science subject areas. A field experience component will be required.

**ED 6304 Development of Mathematical Concepts in the Elementary School (3-0).** Designed to help the elementary teacher develop competencies and teaching strategies for teaching mathematical concepts in the elementary school. A field experience component will be required.

**ED 6305 Approaches to Teaching Reading (3-0).** Various approaches to reading instruction are studied including basal, whole-language, literature-based, and individualized with computer-assisted instruction. Basic concepts and principles of reading instruction are examined.

**ED 6307 Corrective Reading (3-0).** Examines causal factors of reading disabilities. Informal and formal diagnostic procedures in reading instruction are explored. Corrective reading strategies and techniques are discussed.

Prerequisite: Education 6305 or equivalent.

**ED 6308 Laboratory Practicum in Reading.** Diagnosis of reading needs and appropriate instruction by students under supervision. Exploration of reading specialist role also included. Grading will be either pass or fail.

Prerequisites: Education 6305 and 6307 or consent of instructor.

**ED 6309 Teaching Reading in the Content Field (3-0).** Focuses upon the teaching of reading skills in the content areas. Comprehension, critical thinking, and study skills are emphasized.

**ED 6310 Curriculum and Methodology Trends (3-0).** Designed to explore elementary and secondary school curriculum and instructional trends as well as current controversies in education.

**ED 6312 A Survey of Literature for Children (3-0).** Designed to assist students in the selection and use of literature for the development, implementation and evaluation of literature programs that emphasize a strong multicultural component.

\* Other College of Education courses may be found in the Curriculum and Instruction, Guidance and Counseling, School Administration, Special Education, and Student Development and Leadership sections.

\*\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

## Professional Education

**ED 6322 Technology Application in Education (3-0).** An introduction to microcomputer applications and technology for experienced educators with emphasis upon the practical application of the technology to the educator's work environment. Major topics include (1) designing microcomputer environments in the schools, (2) selecting and evaluating hardware and courseware, (3) developing computer literacy curriculum, and (4) managing and supervising school computer programs. Hands-on experience with microcomputer hardware and software will be stressed.

**ED 6327 Social and Cultural Influences on Learning (3-0).** Designed to present a broad base of knowledge about culture and learning. Approaches, materials, and research will be investigated. Specific skills for identifying learning problems and solving them through classroom instruction will be featured.

**ED 6329 Learning Theories (3-0).** This course examines how human learning occurs, the factors that influence learning, and the theories that have influenced teaching and learning. Topics include, but are not limited to, behavioral, social-cognitive, cognitive, constructivism, and motivation to learn theories.

**ED 6330 Behavior Management (3-0).** The study of various classroom management, behavior management, and behavior modification techniques appropriate for all students. The course teaches educators to apply effective behavior management strategies to all individuals in a variety of settings. Emphasis will be on the adaptation of techniques department upon student age and grade level.

**ED 6331 Tests and Measurements in Education (3-0).** A study of typical methods of measuring intelligence, achievement, special aptitudes, and personality. Emphasis is placed on the interpretation and use of tests. Elementary statistical terms and processes are studied.

**ED 6337 Language Learning: Educational Perspectives (3-0).** This course focuses on the relationship between first and second language acquisition and literacy, including linguistics and culture. The nature and definition of language and an overview of linguistics science and language with pedagogical applications is explored.



## Professional Education

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**ED 6340 Multicultural Literature for Children and Young Adults (3-0).** This course focuses on literature for children and young adults that reflect the culture and experiences of various racial, ethnic, and cultural groups. The ability to judge literary quality and cultural authenticity of multicultural literature and the ability to design teaching strategies for those concepts are included.

**ED 6342 Instructional Methods for English Language Learners (3-0).** This course compares first and second language acquisition processes and identifies best practices to meet the needs of English Language Learners (ELLs). An analysis of elements from the primary language that affect the acquisition of literacy in English is examined.

**ED 6351 Human Growth and Development (3-0).** A study of human development through the life span, including physiological, social, emotional, cognitive, language, and cultural influences.

**ED 6361 Psychology of Children with Cognitive Disabilities (3-0).** Nature and types of mental deficiency, measurement of defective intelligence, mental and personality development, school-home leadership, and discipline of Intellectual and Developmental Disabilities including Autism Spectrum Disorders.

Prerequisite: Education 6362.

**ED 6362 The Education of Exceptional Children (3-0).** An introduction to the basic principles of special education programs focusing on school-home learning problems.

**ED 6364 Methods and Materials for Teaching Students with Special Needs (3-0).** A course designed to address the special techniques required for teaching individuals with cognitive differences. Topics include curriculums, assessment methods, instructional and behavioral strategies, methods of documentation and monitoring individual progress.

**ED 6368 Language Disorders of Children (3-0).** A study of the language and behavioral symptomatology of language-impaired children. Linguistics, sociological, and psychological influences on oral and written language behavior are explored. Techniques will be presented to screen for aphasia and central auditory disturbances. A field experience component will be required.

Prerequisite: Education 6362.

**ED 6376 Introduction to ESL Programs in Public Schools (3-0).** A study of English as a second language (ESL) programs, topics include effective multicultural and multilingual learning environments, and addressing the affective, linguistic, and cognitive needs of ESL students.

**ED 6377 Issues in the Education of Students with Low Incidence Disabilities (3-0).** A study of problems related to the education of individuals with learning differences. Special attention is given to the design of differentiated instruction and behavioral strategies to assist student learning. A field component will be required.

Prerequisite: Education 6362.

**ED 6379 Management and Supervision of Reading Programs (3-0).** Designed to explore the management and supervision of a school district's reading program. Administrative and supervisory techniques for developing and improving the K-12 reading curriculum are emphasized.

**ED 6381 Special Topics (3-0).** A study of selected topics in education. (May be repeated once for credit when topic varies.)

**ED 6391 Research (3-0).** The types and methods of educational research. The student is expected to complete a research project or field study utilizing appropriate methods of educational research.

**ED 6393 Individual Research.** A specialized course which may be directed reading or research for superior students under the direction of a graduate faculty member. (Course may be repeated only with departmental approval.)

**College of Health and Human Services:****Department of Psychology, Sociology, and Social Work****Department Chair: William B. Davidson****Program Advisors: William B. Davidson, James N. Forbes, Kraig L. Shell.****E-mail: [william.davidson@angelo.edu](mailto:william.davidson@angelo.edu)****Office: Academic Building, Room 204 B****Telephone: (325) 942-2068 ext. 248, Fax: (325) 942-2290**

**Graduate Faculty:** Cordell-McNulty, Davidson, Forbes, Hack, Mowrer, Schell, Singg, Stenmark.

### **Master of Science (M.S.) Psychology**

The Department of Psychology, Sociology and Social Work offers graduate course work leading to the Master of Science degree in psychology with programs in applied psychology, counseling psychology, or industrial-organizational psychology. A thesis or non-thesis option is available in all programs.

The programs in psychology must be initiated under the direction of a departmental graduate advisor and approved by the Chair of the Department and the Dean of the College of Graduate Studies.

The graduate programs in psychology are designed to meet the needs of:

- Students preparing for professional careers in applied psychology, counseling psychology, or industrial-organizational psychology.
- Students preparing for careers in professional counseling as licensed professional counselors or as licensed psychological associates.
- Students preparing for advanced graduate studies in psychology.
- Students preparing for a teaching career in higher education.

### **Facilities**

The Department of Psychology, Sociology and Social Work offers the opportunity for students to earn the Master of Science degree in psychology with emphasis in applied psychology, counseling psychology, and industrial-organizational, or psychology. Angelo State University and the surrounding San Angelo community provide a range of facilities that make graduate study in psychology a significant experience. Graduate programs in psychology are supported by an expanding collection of library books and research journals, and modern computer facilities and individual or classroom research projects.

The Department makes a variety of specialized measurement and research instruments available for independent study and for students who choose to do thesis research.

Practicum experience is required for students in the counseling psychology program. A variety of agencies in the community of San Angelo provide excellent opportunities for students to fulfill this requirement in a professionally rewarding way.

# Psychology

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The Master of Science degree is offered in three program areas.

## I. Master of Science in Applied Psychology

Thesis or Non-Thesis Option (36 SCH): The student must complete a minimum of 30 SCH of graduate-level work in psychology and six additional SCH of graduate-level work in psychology or supporting electives. The psychology courses must include 6314; three courses from 6303, 6311, 6330, 6332, 6334, 6341, 6342, 6347; and for Thesis students 6699 (Thesis) or 6399 (Thesis) twice. Courses for the remaining 18 (Thesis) or 24 (Non-Thesis) hours in psychology or supporting electives are unspecified but must be approved by the student's graduate advisor.

## II. Master of Science in Counseling Psychology

- A. Thesis Option (48 SCH): The student must complete a minimum of 48 SCHs of graduate-level work in psychology and courses must include 6307, 6314, 6315, 6322, 6323, 6324, 6347, 6351, 6371, 6671, and 6699 (Thesis) or 6399 (Thesis) twice; 6303 or 6326; and 6309 or 6327. Preferred elective course (one) is: Psychology 5325, 5335, 6311, 6341, 6342, 6345, and 6391.
- B. Non-Thesis Option (48 SCH): The student must complete a minimum of 48 SCHs of graduate level work in psychology and courses must include 6307, 6314, 6315, 6322, 6323, 6324, 6347, 6351, 6371, and 6671; 6303 or 6326; and 6309 or 6327. Preferred elective courses (three) are: Psychology 5325, 5335, 6311, 6341, 6342, 6345, and 6391.

A student who successfully completes either the thesis or the non-thesis option in counseling psychology will be eligible to take the examination administered by the Texas State Board of Examiners of Psychologists for Licensed Psychological Associate (LPA). The graduate is also eligible to take the National Counselor Exam and the Texas Jurisprudence Exam by the Texas State Board of Examiners of Licensed Professional Counselors for a temporary LPC (Licensed Professional Counselor) license. A supervised post-graduate counseling experience (internship) of 3000 clock-hours under the supervision of a board-approved supervisor may qualify for the licensure as a Licensed Professional Counselor (LPC). For additional information, please contact the state boards.

## III. Master of Science in Industrial-Organizational Psychology

Thesis or Non-Thesis (42 SCH): The student must complete a minimum of 36 SCHs of psychology course work and 6 additional SCH of graduate-level work in supportive electives. The psychology courses must include 6313; at least one course from the following list (6303, 6311, 6341), all seven of the following courses (6350, 6352, 6356, 6358, 6360, 6362, 6363), and either six credit hours of thesis (6399 twice or 6699) for students in the thesis option, or six credit hours of practicum (6372 twice or 6672) for students in the non-thesis option. The remaining 9 credit hours, at least 3 of which must be in psychology, are unspecified but must be approved by the graduate advisor.

### Courses in Psychology (PSY)

**\*PSY 5325 Professional Ethics (3-0).** A study of values, standards, and ethical ideas that guide professional applications of psychology in teaching, research, and practice, including an in-depth exploration of ethical principles and professional codes of conduct. Course meets concurrently with Psychology 4325 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of graduate advisor and dean.

**\*PSY 5331 Psychology of Aging (3-0).** A study of psychological perspectives of aging and applications. Topics include cognitive and biological changes, psychopathologies and physiological maladies that are unique to this population, healthy ways to manage this developmental stage, and intervention strategies. Course meets concurrently with Psychology 4331 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Psychology 2301. Permission of graduate advisor and dean.

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\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

**\*PSY 5335 Health Psychology (3-0).** A study and application of contemporary theories and research in health psychology. Emphasis is on the interplay of biological, psychological, and social factors in relation to illness and wellness. Topics include pain and its management, behavioral factors in cardiovascular disease, weight management, alternative methods of healing, and connections between stress and disease. Course meets concurrently with Psychology 4335 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of graduate advisor and dean.

**\*PSY 5381 Special Topics (3-0).** Selected topics in psychology. (May be repeated once for credit when topic varies.) Course meets concurrently with Psychology 4381 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of graduate advisor and dean.

**PSY 6302 Core Concepts in Psychological Science. (3-0).** A survey of the major areas of psychological science. Core topics include human social behavior, personality, psychological disorders and treatment, learning, memory, human development, biological influences, and research methods. Related topics may include sensation, perception, states of consciousness, thinking, intelligence, decision-making, language, motivation, emotion, stress and health, cross-cultural psychology, animal behavior, and applied psychology.

**PSY 6303 Social Psychology (3-0).** A study of the development and modification of human interaction, including topics such as social motives, social influence, aggression, attraction, attitudes, and group processes.

**PSY 6307 Psychopathology (3-0).** Survey of biological, psychological, and sociocultural factors associated with selected behavior pathologies of childhood, adolescence, and adulthood.

**PSY 6309 Cognitive-Behavioral Therapy (3-0).** A study of clinical application of cognitive-behavioral therapies, techniques and interventions to a wide range of mental and emotional problems. The course will also examine some brief therapy approaches and techniques.

**PSY 6311 Theories of Personality (3-0).** An in-depth review of the major contemporary theories of human personality and the empirical research related to each. Applications are made about the role of personality in a variety of contexts.

**PSY 6313 Research Design and Analysis (3-0).** An investigation of and practice in research methods and analysis. The focus is on the statistical analysis of various research designs including univariate analysis of variance, multiple means tests, complex comparisons, regression, analysis of covariance and computer applications. A research paper incorporating the above material is required.

**PSY 6314 Research Methods (3-0).** An in-depth treatment of non-experimental, quasi-experimental, and true experimental (or randomized) designs focusing on advantages and disadvantages of each. Special emphasis is placed on how the various research designs are related to generalized causal inference and the common misinterpretations connected with these inferences and associated statistical analyses.

**PSY 6315 Marriage and Family Counseling (3-0).** Examination of current issues, theories, and therapeutic techniques in the field of marriage and family counseling.

**PSY 6321 Individual Intellectual Assessment (3-0).** A study of standardized individual measures of intelligence. While primary emphasis is placed on the administration, scoring and interpretation of the Wechsler scales of intelligence, students will be exposed to several other measures of intelligence and related abilities in adults, adolescents and children. Clinical interviewing and report writing are also emphasized.

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\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

## Psychology

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**PSY 6322 Psychological Assessment (3-0).** A study of widely-used measures of personality and intelligence. Students will gain experience in conducting interviews and behavioral observations, and they will learn how to administer, score and interpret a variety of psychological tests. Students will also gain experience in writing professional reports.

**PSY 6323 Counseling Theories and Applications (3-0).** Review of the major theories and techniques of individual counseling. Pre-practicum application of selected individual counseling techniques.

**PSY 6324 Group Counseling (3-0).** Review of the major theories and techniques of group counseling. Pre-practicum application of selected group counseling methods.

**PSY 6326 Counseling with Minorities (3-0).** A descriptive and comparative analysis of classical counseling theories as they apply to ethnic and cultural diversity. An exploration of nontraditional counseling techniques for individuals of different racial, cultural, or socioeconomic status.

**PSY 6327 Therapy With Children and Adolescents (3-0).** A study of clinical interventions which integrates multicultural and relational approaches in therapy with children and adolescents. Emphasis is placed on translating conceptualizations of client's problems into specific treatment plans and interventions. The course examines various disorders including depression, anxiety, attention deficit/hyperactivity, eating disorders, and conduct disorders.

**PSY 6330 Applied Economic Psychology (3-0).** A study of how psychological principles, knowledge, and research methods are used to address a wide range of economic behavior, solve practical economic problems and inform public policy.

**PSY 6332 Social Perception (3-0).** Using the social psychological perspective, this course is a study of how people perceive, relate, and interact with others in their social environment.

**PSY 6334 Environmental Psychology (3-0).** A review of research and theory on transactions between people and physical environments emphasizing adaptation, opportunities for goal-directed action, and sociocultural processes. Topics include human territoriality, personal space, crowding, environmental stressors, and person-environment perspectives of social interaction and group processes.

**PSY 6341 Advanced Learning (3-0).** A detailed study of current perspectives of classical conditioning, instrumental conditioning, social learning, and biological constraints on learning. Emphasis is on theoretical approaches to these types of learning.

**PSY 6342 Cognitive and Behavioral Neuroscience (3-0).** An in-depth investigation of the principles of neuroscience and how they relate to cognition and behavior. Emphasis will be placed on the cellular and chemical bases of neural activity and how this activity is reflected in both normal and abnormal behavior.

**PSY 6345 Advanced Psychological Assessment (3-0).** Involves the practical application of a variety of psychological assessment techniques. Students will be required to administer, score, and interpret psychological test batteries, and they will also provide appropriate feedback of the test results. In addition, treatment planning will be emphasized.

Prerequisite: Psychology 6322.

**PSY 6347 Developmental Psychology (3-0).** A course that will study the various levels of life span in human beings. An integrated approach involving genetics and environmental factors will be used to assess each stage of development.

**PSY 6350 Organizational Psychology (3-0).** The study of human behavior in organizations, primarily at the group level. Topics include values and attitudes such as job satisfaction, personality at work, group behavior, teams, leadership, organizational structure and theory, organizational culture and climate, and conflict.

**PSY 6351 A Survey of Vocational Counseling Methods (3-0).** A course designed to analyze vocational theory and career development and explore principles related to vocational decision making. Selected vocational assessment batteries will be used to help students gain familiarity with vocational tests.

**PSY 6352 Personnel Selection (3-0).** A review of techniques and strategies for effectively matching individuals with organizations. Topics include job analysis, the measurement of individual differences, strategies for making selection decisions, legal issues related to selection, and an evaluation of common selection tools such as interviews and ability tests.

**PSY 6353 Theory and Techniques of Consultation (3-0).** An examination of the consultation process, including the role of the consultant, stages in consultation, the development of consulting skills, and political/ethical issues.

**PSY 6354 Seminar in Industrial-Organizational Psychology (3-0).** An overview of the professional psychologist at work in organizations. Topics include research issues, personnel issues, organizational issues, and ethical and legal issues.

**PSY 6355 Psychology of Human Performance (3-0).** An in-depth study of the application of psychological principles to the optimization of human performance in the workplace. Issues include signal detection theory, attention and perception, mental workload, manual and automated control systems, and the prevention of stress and human error.

**PSY 6356 Training and Performance Evaluation (3-0).** A focused exploration of training and performance evaluation in organizations. Emphasis will be placed on needs assessments, training theory, training planning and design, training evaluation, and performance evaluation techniques.

**PSY 6357 Motivation, Emotion, and Stress (3-0).** A detailed analysis of current theory in motivation, emotion, and stress as they relate to the modern workplace. Emphasis will be placed on theoretical knowledge, measurement, and applications of these topics using current literature in the field.



## Psychology

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**PSY 6358 Applied Research Methods (3-0).** An examination of the methods and statistics commonly used when conducting research in applied settings. Topics will include qualitative data collection and analysis, quasi-experimental designs, organizational survey research, longitudinal designs and program evaluation.

**PSY 6359 Attitude Theory in Organizations (3-0).** A survey of important work-related attitudes in organizations. Emphasis will be given to the development, maintenance, and effects of these attitudes with respect to critical organizational outcomes. Examples of such attitudes are job satisfaction, organizational citizenship, and counterproductivity.

**PSY 6360 Leadership (3-0).** This course will familiarize the student with the content domain of leadership including theories, research, problems, and controversies. Fundamental issues of description, identification, conceptualization, and measurement will be addressed. Both historical and contemporary views of leadership in organizations will be investigated.

**PSY 6361 Seminar in Teaching of Psychology (3-0).** A course designed for students who have a strong interest in pursuing careers involving the teaching of psychology. Emphasis will be placed on the preparation and presentation of course content and the evaluation of student achievement. Students receive supervised experience in teaching an introductory course in psychology.

**PSY 6362 Basic Experimental Methodology (3-0).** This course will involve a focused treatment of basic methodological skills and knowledge pertaining to I-O psychology, including internal/external validity, sampling theory, scale construction and validation, and basic consultation skills regarding these issues.

**PSY 6363 Advanced Experimental Methodology (3-0).** This course will involve a focused treatment of advanced methodological skills and knowledge pertaining to I-O psychology, including complex research designs, quasi-experimental designs, time-series designs, and other uncommon approaches.

**PSY 6371, 6671 Counseling Psychology Practica: 6371 Professional Orientation and Applications; 6671 Internship.** Nine semester hours (450 clock hours) of supervised practical experience in a suitable setting using counseling techniques to meet the requirement of the Texas State Board of Examiners of Psychologists for subdoctoral certification and for partial fulfillment of the requirement of the Texas State Board of Examiners of Professional Counselors for licensure as a professional counselor. In 6371, the student is also provided professional orientation which includes legal and ethical aspects of practice, knowledge of licensing boards' rules and regulations, and awareness of other related professional issues.

Prerequisites: Psychology 6307, 6323, 6324.

**PSY 6372, 6672 Practicum in Industrial-Organizational Psychology.** Six semester hours of supervised practice in applying psychological skills in organized settings (Psychology 6372 may be repeated once).

**PSY 6381 Special Topics (3-0).** A course dealing with selected topics in psychology. (May be repeated once for credit when topic varies.)

**PSY 6391 Research.** A specialized course of individual research or directed reading. (May be repeated once for credit.)

Prerequisite: Permission of instructor.

**PSY 6399 Thesis.**

Prerequisite: Psychology 6313 or 6314.

**PSY 6699 Thesis.**

Prerequisite: Psychology 6313 or 6314.

**College of Arts and Sciences: Department of Political Science and Philosophy**

**Department Chair: Laurence F. Jones**

**Program Advisor: John N. Barbour**

**E-mail: jack.barbour@angelo.edu**

**Office: Rassman Building, Room 215**

**Telephone: (325) 942-2262 ext. 282, Fax: (325) 942-2307**

**Graduate Faculty:** Barbour, Garza, Jones.

### **Master of Public Administration (M.P.A.) Public Administration**

The Department of Political Science and Philosophy offers graduate course work leading to the Master of Public Administration degree. The M.P.A. degree program is designed for persons interested in pursuing public service careers in local, state, regional, and federal government agencies.

#### **Facilities**

The multidisciplinary Master of Public Administration degree program is supported by a comprehensive collection of journals, books, and government documents relating to the numerous facets of public policy and management. The professional nature of the M.P.A. program is strengthened through the expanding network of interaction between faculty and public officials of the State and central West Texas region. The internship component of the M.P.A. program will enable the student to gain practical career experience in a public agency under the dual supervision of an agency director and a member of the faculty of the Department of Political Science and Philosophy.

The Department of Political Science and Philosophy is housed in the Rassman Building. Excellent computer facilities are accessible to students for research purposes.

#### **Degree Requirements**

Students must meet with the graduate advisor before registering for any courses. The 36-semester-hour curriculum includes the following three categories:

##### **Required Core Courses:**

	<b>Hours</b>
POLS 6302 American Political Process . . . . .	3
POLS 6321 Urban Politics . . . . .	3
POLS 6322 Government and American Business. . . . .	3
POLS 6324 Administrative Methodology . . . . .	3
POLS 6327 Administrative Theory and Politics . . . . .	3
POLS 6328 Public Personnel Management . . . . .	3
POLS 6329 Governmental Finance . . . . .	3
POLS 6330 Application of Administrative Methods . . . . .	3

##### **Electives:**

Nine semester credit hours (three courses) of electives must be chosen with the advice and approval of the Graduate Advisor. . . . .9

##### **Internship:**

All students must complete an internship (Political Science 6371) or an in-service research paper (for mid-career students). . . . .3

All students, usually prior to commencement of the internship, must successfully pass a comprehensive exam that, in consultation with the M.P.A. advisor, may include written, oral, or both written and oral components.

# Public Administration

## Courses in Political Science (POLS)

**POLS 6302 American Political Process (3-0).** An examination of the major institutions in the American political system. Topics include the constitutional basis of American institutions, Congress, the presidency and bureaucracy, the judiciary, and the distribution of power in the United States.

**POLS 6321 Urban Politics (3-0).** An examination of legal and political characteristics of city government, such as municipal powers and responsibilities, state supervision, urban political behavior, and special problems of urban and metropolitan areas.

**POLS 6322 Government and American Business (3-0).** An examination of the interplay between American national, state, and local governments and American business. Topics of consideration include the historical changes in the relationship of government and business, the role of private enterprise in the federal grant-in-aid process, and the effect of government spending on business. Special focus will be given to government regulation of business. (Credit may not be earned for this course and Management 6322.)

**POLS 6324 Administrative Methodology (3-0).** A study of research methods used to examine decisions and policy in the public sector.

**POLS 6327 Administrative Theory and Politics (3-0).** An examination of organizational and behavioral theories of bureaucracies, their implications in a democratic society, and the study of resulting policy issues.

**POLS 6328 Public Personnel Management (3-0).** A course focusing on the process of personnel management for public institutions. Issues such as labor relations, federal and state employment procedures and salary systems are stressed.

**POLS 6329 Governmental Finance (3-0).** A course of study relating to the roles and activities associated with governmental financial planning and their impact upon society.

**POLS 6330 Application of Administrative Methods (3-0).** An application of research methods used to examine decisions and policy in the public sector.

Prerequisite: Political Science 6324.

**POLS 6371 Public Administration Internship.** An assignment in a public agency designed to provide the student with a learning experience within an organizational environment under the supervision of a faculty member.

**POLS 6381 Special Topics (3-0).** A seminar in selected topics in political science. (May be repeated once for credit when topic varies.)

**POLS 6391 Research.** Directed reading or individual research. (May be repeated once for credit.)



## School Administration

**College of Education: Department of Curriculum and Instruction**

**Department Chair: James A. Summerlin**

**Program Advisor: James A. Summerlin**

**E-mail: [jsummerlin@angelo.edu](mailto:jsummerlin@angelo.edu)**

**Office: Carr Building, Room 140**

**Telephone: (325) 942-2647 ext. 240, Fax: (325) 942-2039**

**Graduate Faculty:** Livengood, McGlamery, Miazga, Summerlin, Tarver, Williams.

### **Master of Education (M.Ed.) School Administration (Principal)**

The graduate faculty in the Department of Curriculum and Instruction are actively involved in research, development of new teacher education models, and in-service education programs throughout the region served by Angelo State University.

Applicants must hold a valid Texas teaching certificate or its equivalent. The Master of Education (M.Ed.) in School Administration prepares the student to apply to the State Board for Educator Certification (SBEC) for certification as a principal. It is the responsibility of the student to apply for that certificate. As part of the certification requirements, two years teaching experience in an accredited public school is required prior to application. A copy of the public school teacher's service record serves as documentation.

As a summative requirement for the degree, the candidate must successfully complete a comprehensive program review with a committee of Graduate Faculty.

### **Degree Requirements**

<b>Foundation Courses</b>	<b>Hours</b>
CI 6327 Social and Cultural Influences on Learning . . . . .	3
CI 6331 Tests and Measurements in Education . . . . .	3
CI 6351 Human Growth and Development. . . . .	3
CI 6363 Applied Research. . . . .	3
CI 6373 Educational Law . . . . .	3
 <b>Specialization Courses</b>	
CI 6315 Problems of Instructional Supervision . . . . .	3
CI 6319 Practicum in School Administration *. . . . .	6
CI 6356 Structure and Organization of the Texas School System . . . . .	3
CI 6362 The Education of Exceptional Children . . . . .	3
CI 6371 Role of the Principal. . . . .	3
CI 6372 Personnel and Fiscal Management. . . . .	3

Total Semester Credit Hours for Master of Education in School Administration (Principal) . . .36

\* Application for the practicum course must be made at least one semester in advance. There is a two-semester requirement for the practicum, so this course must be repeated for credit.

School Administration

Post Master's Certification Program Requirements

Students pursuing a professional certificate on a certification plan may use previous graduate course work to fulfill certification requirements. All work must be completed within a period of six years from the earliest credit to be counted on the certification plan. Under certain circumstances, a time extension of up to four years may be granted on a course by course basis.

If a time extension for one or more courses is desired, a written application must be presented to the program advisor appropriate to the certification plan. It must explain (1) why the certification plan was not completed in a timely manner, (2) a schedule for completing the certification plan, and (3) information indicating that the student's knowledge of the subject matter in each course for which an extension is requested remains current.

Time extensions are not routine. Courses taken more than 10 years before the completion of the certification plan are never allowed to be used toward the plan. Additional courses are frequently assigned to the student who has not completed the certification plan requirements within the six-year time limit.

Principal Certification Program

Individuals with an appropriate master's degree from an accredited institution may seek principal certification only. All work on this certificate must be done in residence, i.e. no transfer work is accepted. To be recommended for certification, the applicant must hold a Texas teaching certificate and have at least two years teaching experience in the Texas public school system or equivalent. Additionally, students must receive a passing score on the TExES Principal exam. During their first semester, students in the program must contact the Program Coordinator for advice on starting the Principal's Internship.

Specialization Courses	Hours
CI 6315 Problems of Instructional Supervision . . . . .	3
CI 6319 Practicum in School Administration . . . . .	3
CI 6371 Role of the Principal . . . . .	3
CI 6372 Personnel and Fiscal Management . . . . .	3
CI 6373 Educational Law . . . . .	3

Other courses may be required as determined by the School Administration advisor.

Superintendent Certification Program

In addition to graduate school entrance requirements, the individual seeking admission to the Superintendent Certificate Program must hold a valid Texas Principal's Certificate or its equivalent. All work on this certificate must be done in residence, i.e. no transfer work is accepted. An interview with the program advisor is required to enter the program. Admission to the program is based upon available space. This is an on-line program. After completing the required course work listed below, candidates must receive a passing score on the Superintendent TExES. Approval to take the TExES must be obtained from the program advisor.

Specialization Courses	Hours
CI 6383 School-Community Relationships. . . . .	3
CI 6384 School District Resource Management. . . . .	3
CI 6385 Human Relationships in Educational Administration . . . . .	3
CI 6386 School Plant Planning and Maintenance . . . . .	3
CI 6388 Superintendent Internship in Education. . . . .	3

Total semester credit hours for Superintendent Certification . . . . .15

## School Administration

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### Courses in Curriculum and Instruction (CI) \*

**CI 6310 Curriculum and Methodology Trends (3-0).** Designed to explore elementary and secondary school curriculum and instructional trends as well as current controversies in education.

**CI 6313 Central Office Administration and Business Administration (3-0).** Designed to acquaint the student with central office procedures concerning the management and coordination of the various schools in the school district.

**CI 6315 Problems of Instructional Supervision (3-0).** Designed to acquaint students with current literature regarding instructional supervision including such topics as theories of leadership, communication, change, organization, and decision making.

**CI 6319 Practicum in School Administration (3-0).** Provides a field experience in school administration with emphasis on the Texas Principal competencies. (May be repeated for credit.)  
Prerequisite: Permission of the program advisor.

**CI 6327 Social and Cultural Influences on Learning (3-0).** Designed to present a broad base of knowledge about culture and learning. Approaches, materials, and research will be investigated. Specific skills for identifying learning problems and solving them through classroom instruction will be featured.

**CI 6331 Tests and Measurements in Education(3-0).** A study of typical methods of measuring intelligence, achievement, special aptitudes, and personality. Emphasis is placed on the interpretation and use of tests. Elementary statistical terms and processes are studied.

**CI 6351 Human Growth and Development (3-0).** A study of human development through the life span including physiological, social, emotional, cognitive, language, and cultural influences.

**CI 6356 Structure and Organization of the Texas School System (3-0).** A study of the organization and the administrative structure of the public school system with emphasis on Texas. An introduction to organizational theory.

**CI 6357 School Based Leadership (3-0).** An exploration of leadership strategies, techniques, and functions focusing on staff development, curriculum organization, and instructional program management. A major field project in leadership is required.

**CI 6362 The Education of Exceptional Children (3-0).** This course is designed to acquaint students with school programs and interventions involving the physical, emotional, and cognitive development of exceptional children and youth.

**CI 6363 Applied Research (3-0).** This course will focus on collecting and interpreting data to achieve a stated educational goal for each individual student. Concepts of tests and measurements will be emphasized for interpreting research results and gathering data for applied research. Students will develop a project based upon their research. Student will apply concepts learned within their own classroom under the guidance of the professor.

**CI 6371 Role of the Principal (3-0).** Designed to acquaint the student with the organization, program, curriculum, plant supervision, and education procedures for the elementary, middle, and senior high school.

**CI 6372 Personnel and Fiscal Management (3-0).** This course is designed to develop knowledge and skills related to public school campus budgets, accountability procedures and human relations issues arising from fiscal decisions.

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\* Other College of Education courses may be found in the Curriculum and Instruction, Guidance and Counseling, Professional Education, Special Education, and Student Development and Leadership sections.

## School Administration

**CI 6373 Educational Law (3-0).** Designed to explore the field of knowledge of federal, state, and local school laws pertinent to school administration and to facilitate effective decision making in this area of school administration.

**CI 6374 Supervision of Special Programs (3-0).** Designed to acquaint the students with knowledge, roles, and responsibilities of personnel responsible for special programs: special education, compensatory education, vocational-technical education, career education, and at-risk student programs.

**CI 6383 School-Community Relationships (3-0).** Online course. Designed to cover the principles, philosophy, and techniques for improving the educational program through building good relationships. Special attention is given to the different roles people play and the superintendent's experiences with School Board relations and community relations. Readings and resources include the area of Leadership

Prerequisites: Principal certificate and permission of the professor.

**CI 6384 School District Resource Management (3-0).** Online course. Designed to develop knowledge and skills related to district budget procedures, revenues, state, county and school district finance. Other problems related to the history of public school financing, legislative actions and financing public education will be included.

Prerequisites: Principal certificate and permission of the professor.

**CI 6385 Human Relationships in Educational Administration (3-0).** Online course. Designed to explore the administrator's professional relationships with teachers, parents, students, principals, other educational employees in the district, and the School board. Personnel and Human Resources areas as well as Staff Development is included in the course. Leadership opportunities abound in these areas and will be included in activities.

Prerequisites: Principal certificate and permission of the professor.

**CI 6386 School Plant Planning and Maintenance (3-0).** Online course. A study of the issues facing the school administrator and the School board in determining school building needs, planning for facilities, responsibilities of architects and contractors, equipping and furnishing school buildings, and maintaining and redesigning existing buildings. Other relevant topics include asbestos, bond issues and ethics.

Prerequisites: Principal certificate and permission of the professor.

**CI 6388 Superintendent Internship in Education (3-0).** Online course and field experience. Guided experiences in central office and superintendent administration under the supervision and direction of a central office administrator and a university professor. The internship is taken as the final course in the superintendent certification program. Grading is pass or fail.

Prerequisites: Principal certificate and permission of the professor.

**CI 6391 Research (3-0).** The types and methods of educational research. The student is expected to complete a research project or field study utilizing appropriate methods of educational research.



**College of Business: Department of Security Studies and Criminal Justice**

**Department Chair: Robert S. Ehlers**

**Advisor: Robert S. Ehlers**

**Email: robert.ehlers@angelo.edu**

**Office: Hardeman Building, Room 202**

**Telephone: (325) 486-6682, Fax: (325) 942-2544**

**Faculty:** Bechtol, Jones, Nalbandov.

## Master of Security Studies (M.S.S.) Security Studies

The Master of Security Studies degree is designed to increase students knowledge of important issues critical for an understanding of today's complex international environment in which state and non-state actors interact. The courses will increase the students' critical thinking and analytic skills in political culture and comparative security policy. The degree is offered solely online.

### Admission Requirements

All applicants for the M.S.S. program must hold a bachelor's degree from an accredited college or university. All potential graduate students are evaluated on an individual basis. All potential graduate students must submit all related materials requested in the evaluation criteria. The evaluation criteria include the following:

- Undergraduate academic record (transcripts of all undergraduate course work);
- 2.75 undergraduate GPA or 3.00 in the last 60 hours of undergraduate course work;
- At least two letters of recommendation;
- An essay of no more than 750 words regarding your opinion of the single most important challenge to U.S. national security written in endnote or footnote format. Outside sources may be used.

### Degree Requirements

Required Courses	Hours
SEC 6302 Introduction to Security Studies. . . . .	3
SEC 6305 Research Methodologies and Security Studies . . . . .	3
SEC 6309 Grand Strategy and National Security . . . . .	3
SEC 6312 Globalization and International Security . . . . .	3

Specialization Area	Hours
Prescribed Electives. . . . .	9
Students must choose nine semester credit hours from the national security or nine semester credit hours from the regional security specialization area.	

Electives *	Hours
Electives . . . . .	15
Elective hours may be taken from the national security or regional security specialization area, or in some combination of each.	

#### \* Thesis Option

Students wishing to take the thesis option will be required to take the 12 hours of required courses, 9 hours of prescribed electives, a course for writing the thesis (SEC 6699), and an additional 9 semester credit hours of electives. The additional 9 semester credit hours must be taken in either the national security or regional security or in some combination of each.

#### \* Non-Thesis Option

Students wishing to take the non-thesis option will be required to take the 12 hours of required courses, 9 hours of prescribed electives, and an additional 15 semester credit hours of electives. The additional 15 semester credit hours must be taken in either the national security or regional security or in some combination of each.

# Security Studies

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## Specialization Areas

### National Security

SEC 6313 Intelligence and National Security . . . . .	3
SEC 6314 Terrorism and National Security. . . . .	3
SEC 6315 Rogue Nations and National Security. . . . .	3
SEC 6316 Peacekeeping and Stability Operations . . . . .	3
SEC 6317 Weapons of Mass Destruction, Proliferation, and National Security . . . . .	3
SEC 6318 Weak and Failing States and National Security . . . . .	3
SEC 6319 Homeland Security Studies . . . . .	3
SEC 6320 Human Rights and National Security . . . . .	3
SEC 6321 Energy Security Studies . . . . .	3
SEC 6322 Transnational Issues and National Security . . . . .	3

### Regional Security

SEC 6323 Security Issues in Europe I . . . . .	3
SEC 6325 Security Issues in Europe II. . . . .	3
SEC 6327 Security Issues in Asia I . . . . .	3
SEC 6329 Security Issues in Asia II. . . . .	3
SEC 6331 Security Issues in Latin America I . . . . .	3
SEC 6333 Security Issues in Latin America II. . . . .	3
SEC 6335 Security Issues in The Middle East I . . . . .	3
SEC 6337 Security Issues in The Middle East II . . . . .	3
SEC 6341 Security Issues in Africa I . . . . .	3
SEC 6343 Security Issues in Africa II. . . . .	3

## Certificates Available in Security Studies

All graduate certificate programs require an overall 3.00 grade point average and a grade of at least a "B" in each required class. All course work for certificates must be taken in-residence; transfer credits from other institutions will not apply towards certificate programs.

### Certificate - Global Security Issues

#### (12 SCH required)

SEC 6312 Globalization and International Security . . . . .	3
SEC 6320 Human Rights and National Security . . . . .	3
SEC 6321 Energy Security Studies . . . . .	3
SEC 6322 Transnational Issues and National Security . . . . .	3

### Certificate - International Conflict Studies

#### (12 SCH required)

SEC 6309 Grand Strategy and National Security . . . . .	3
SEC 6315 Rogue Nations and National Security. . . . .	3
SEC 6317 Weapons of Mass Destruction, Proliferation, and National Security . . . . .	3
SEC 6318 Weak and Failing States and National Security . . . . .	3

### Certificate - Terrorism and Counterinsurgency Studies

#### (12 SCH required)

SEC 6309 Grand Strategy and National Security . . . . .	3
SEC 6313 Intelligence and National Security . . . . .	3
SEC 6314 Terrorism and National Security. . . . .	3
SEC 6316 Peacekeeping and Stability Operations . . . . .	3

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## Courses in Security Studies (SEC)

**SEC 6302 Introduction to Security Studies (3-0).** This is a basic introduction to the field of security studies. This course will help the student examine the recent history of security studies. The student will learn about many of the theoretical approaches and debates relating to world politics. The studies will include the origination and causes of conflict, deterrence and coercion (in both theory and practice), diplomacy and international dynamics, and an examination of the growing list of transnational issues. The course deals with many of the theoretical works in the field as well as numerous case studies that deal with the national security issues impacting current world politics and international security.

**SEC 6305 Research Methodologies and Security Studies (3-0).** This class educates the student in how to conduct both qualitative and quantitative research. Because this program is designed to give students skills that are directly related to national security positions, the research methodologies will be designed for a practical audience, one that needs skills necessary in places such as the State Department or the Pentagon. This class will give the student the framework to conduct research as he or she gains comprehension of the strengths and weaknesses of the basic analytic methods commonly used in the national security community.

**SEC 6309 Grand Strategy and National Security (3-0).** This course gives students key insights into the basic elements of grand strategy and how these tie into Security Studies. The course gives students a unique baseline of knowledge that will be important as students move into the other aspects of the Security Studies program. Key issues addressed in detail include: 1. The national security decision making process, particularly as it relates to issues of international and homeland security; 2. Civil-military relations as applicable in the development of strategy and statecraft; 3. An analysis of how nation-states develop military operational capabilities and readiness; and 4. The differing strategies for international conflict, including both conventional and unconventional warfare.

**SEC 6312 Globalization and International Security (3-0).** This course examines how globalization affects the policies, economics, societies, and militaries of both state and non-state actors on the regional and world stage. While globalization has had many benefits since the end of World War II, it has also created "haves and have nots," radical religious and political ideologies, and ethnic conflict in regions affecting the national security of the developed world. This course will conduct studies examining how the interconnected world creates differing realities for different nation-states and regions and what the potential is for the future.

**SEC 6313 Intelligence and National Security (3-0).** The intelligence reform mandated following the attacks on 9/11 created the most fundamental structural change in the National Intelligence Community in its history. The National Intelligence Strategy (NIS), as updated, will provide the framework of analysis for this course. The integration of the National Intelligence Community, and the complexities this integration brings, will be analyzed. This course covers the intelligence cycle (planning and direction, collection, processing, analysis, and dissemination). It also covers key aspects of intelligence such as warning and surprise; denial and deception; covert action; oversight and civil liberties; role of policymakers; and intelligence reform. Students will evaluate how changes in the national intelligence community are meeting the objectives of the war on terrorism and contributing to more effective intelligence.

**SEC 6314 Terrorism and National Security (3-0).** This course examines the impact of terrorism on national security policy. The course profiles terrorists and terrorist groups, and also analyzes potential future forms of violent action that could be taken by non-state actors. The course also examines and outlines the past practices of counterterrorism in other countries. Finally, students focus on United States policies and the roles and missions of both military and interagency commanders who are currently dealing with or have in the past dealt with terrorism as part of their assigned tasks.

**SEC 6315 Rogue Nations and National Security (3-0).** The end of the Cold War brought in a new era of world politics and security issues for the United States. But with the fall of the Berlin Wall and the end of the Soviet Union also came a new phenomenon – Rogue States. Countries such as Iran, North Korea, Syria, Cuba, and others have refused to change their governments in modern times and continue to conduct policies that are hostile to the United States and its allies. This course examines exactly what it is that makes up a rogue state, why the politics of rogue states are dangerous to the United States and its allies, and how these hostile policies can be countered. The course also examines several important recent case studies.

## Security Studies



**SEC 6316 Peacekeeping and Stability Operations (3-0).** Stability and peace operations have become an integral part of United States foreign and military policy. This course analyzes several concepts, including nation building, stabilization, and reconstruction. The course also examines the roles of various groups that have become important to these types of operations in the 21st century, including nongovernmental organizations, intergovernmental organizations, and governmental organizations. The course examines the roles and missions of the many new players who have become integral to stability and peacekeeping operations.

**SEC 6317 Weapons of Mass Destruction (WMD), Proliferation, and National Security (3-0).** As the United States looks to an uncertain future in the 21st century, control of weapons of mass destruction and their proliferation have become two of our most important national security issues. Because many nations are not transparent about either their capabilities or intentions, this is also a very difficult issue to analyze for American policy makers and their staffs. This class examines important case studies such as the Nuclear Non-proliferation Treaty (NPT), the role of the IAEA and other elements of the UN in countering WMD and proliferation, and key state actors that pose the greatest threat to American security because of their pursuit of WMD capabilities and/or proliferation.

**SEC 6318 Weak and Failing States and National Security (3-0).** For many years following the end of the Cold War, weak states, failing states, and failed states, received little or no attention from the United States. With the exception of the Somalia case study (a failed state), the United States tended to ignore states that were either weak or on the brink of being failed states. The events of 9/11 ended this for the most part. Because Afghanistan was essentially a failing state and supported terrorism, this issue has now become one that is ripe for examination. What constitutes a weak state? A failing state? A failed state? Are failed states a threat to U.S. security? If so, why is this the case? Which states are these, and what can be done to remedy the ominous (and often unique) threats they pose? All these issues are examined in this course, which will provide current and recent case studies as a method for conducting analysis of an issue that has only recently come to the forefront of Washington's foreign policy.

**SEC 6319 Homeland Security Studies (3-0).** This course examines the key issues that the U.S. faces in protecting itself from terrorist attacks and will also analyze how policy has been formulated and implemented since 2001. While homeland security involves many issues, the main focus for this class will be on the key challenges to American society and government at home that have ensued because of the long war against terrorism in the 21st century. In this class, we will define homeland security, conduct an examination of the homeland security threats facing the United States, and discuss how the interagency and interstate aspects of government at various levels of jurisdiction (federal, state, local, and private) interact to protect the United States.

**SEC 6320 Human Rights and National Security (3-0).** This course gives students a clear understanding of what constitutes human rights. The course also explores why human rights and human security have become such major players in policy, as well as important aspects of the work that NGO's and other non-state actors conduct. Of particular importance to this course is conducting an analysis of the role of civil society (human rights NGO's, church groups, and grassroots groups). The course features important writings by practitioners and experts in the field.

**SEC 6321 Energy Security Studies (3-0).** This course examines the relatively new concept of the importance of the relationship between energy and security in the 21st century. Students conduct analyses of important policy challenges including, but not limited to, economic, geopolitical, and environmental issues. The United States and its key allies (not to mention its competitors – such as China) have huge concerns about vulnerability to disruptions in supply, price volatility, and environmental degradation. U.S. national security interests also can potentially be in peril if such issues as unequal access to energy sources and instability in key energy-producing regions arise.

**SEC 6322 Transnational Issues and National Security (3-0).** With the advent of more societies around the world and more open trade, a variety of transnational issues have become important for American national security. The role of NGO's in dealing with a variety of issues, the role of the many powerful transnational corporations, and the interesting aspect of transnational crime have changed the role of nation-states (somewhat) in how they deal with both state and non-state actors. This course examines the key transnational issues that are important for U.S. policy and also analyzes a series of case studies dealing with important issues such as transnational crime, transnational corporations, and other issues that cross borders between states and regions.

**SEC 6323 Security Issues in Europe I (3-0).** This course examines the historic, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. Students will engage in critical comparisons of the politics, governments, and orientations of European states and important regional powers. The course also covers contemporary regional issues such as democratization, arms control and regional integration, with a particular emphasis on security concerns. This class also examines the development of the Atlantic Alliance of 1949 - known as NATO - into a military organization under United States leadership, and how that organization has affected security on both the regional and world stages. The course concludes with an evaluation of NATO's status in contemporary times and the role that it may play in the future.

**SEC 6325 Security Issues in Europe II (3-0).** This course focuses on current, major issues within the European region. While engaging in critical analysis of current issues, the course examines the broader European cultural context as an analytic framework explaining interaction within the region and the international arena. While the first European course focuses on many of the issues that led to the formulation and continued existence of NATO, this course discusses the formulation and issues related to the European Union (EU). Because the EU is such an economic powerhouse, students will explore the theory and practice of how economic motives affect political decisions and how most political decisions have economic repercussions, both domestically and in Europe. This course reviews and explores the key themes of Europe's contemporary political economy.

**SEC 6327 Security Issues in Asia I (3-0).** This course covers contemporary regional issues such as the influence of Japan, India, Korea, and China on regional and global affairs, with a particular focus on regional security concerns. The focus of this course is on the changing dynamics of contemporary international security in Asia. This course includes several important case studies that are central to understanding regional security in Asia. These include, but are not be limited to, the ongoing and hotly debated military rise of China and the implications for the region and the world; the nuclear stand-off on the Korean peninsula; contemporary security issues in Southeast Asia; the India-Pakistan conflict; and transnational security issues in Asia.

## Security Studies

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**SEC 6329 Security Issues in Asia II (3-0).** While Security Issues in Asia I focuses on issues of conflict and tension, this course is an introduction to the political economy of Asia. Students will explore the theory and practice of how economic motives affect political decisions and how most political decisions have economic repercussions, both domestically and in Asia. This course reviews and explores the key themes of Asia's contemporary political economy. In doing so, it concentrates on Asia's relationship with the global political economy and raises questions about the nature of state action in Asian countries.

**SEC 6331 Security Issues in Latin America I (3-0).** This course examines the dynamics of international security in Latin America. Key security issues to be examined include, but will not be limited to, conflict between states, insurgency and counterinsurgency, transnational crime, and terrorism. Students will also examine how the security environment in Latin America is seen in Washington and what influences that perspective. The course also examines closely the use of international organizations in addressing key security issues within the region.

**SEC 6333 Security Issues in Latin America II (3-0).** While Security Issues in Latin America I focuses on issues of conflict and tension, this course is an introduction to the region's political economy. Students will explore the theory and practice of how economic motives affect political decisions and how most political decisions have economic repercussions, both domestically and in Latin America. This course reviews and explores the key themes of Latin America's contemporary political economy. In doing so, the course concentrates on Latin America's relationship with the global political economy and raises questions about the nature of state action in Latin American countries. While engaging in critical analysis of current issues, the course examines the broader Latin American economic context as an analytic framework for explaining interaction within the region and the international arena.

**SEC 6335 Security Issues in the Middle East I (3-0).** This course examines the implications of key security issues affecting U.S. national interests in the Middle East. The course gives insights into the history, cultures, religions, geography, and demographics of the region. The course also examines the dynamics of interaction between the Middle East and the West. Key security issues for discussion include, but are not limited to, the Middle East peace process, Persian Gulf security, access to Middle East petroleum reserves, and the promotion of democracy. The course also explores the nature of jihad in the Middle East, the relationship between religion and state governments, and human rights issues.

**SEC 6337 Security Issues in the Middle East II (3-0).** While Security Issues in the Middle East I focuses on issues of conflict and tension, this course is an introduction to the political economy of Middle East. Students will explore the theory and practice of how economic motives affect political decisions and how most political decisions have economic repercussions, both domestically and in the Middle East. This course reviews and explores the key themes of the Middle East's contemporary political economy. In doing so, the course concentrates on the Middle East's relationship with the global political economy and raises questions about the nature of state action in Middle Eastern countries.

**SEC 6341 Security Issues in Africa I (3-0).** This course examines political, military, and social issues of the states of Sub-Saharan Africa. The focus of the course is on the impact these issues have on world politics and particularly United States national security interests in that region. The course addresses issues of the colonial legacy, the rise of African nationalism, and the emergence of independent Africa. It also addresses many of the difficulties of the post-colonial legacy. Finally, the course turns to the place of Sub-Saharan Africa in Washington's national security policy, and potential outcomes for the future.

**SEC 6343 Security Issues in Africa II (3-0).** While Security Issues in Africa I focuses on issues of conflict and tension, this course is an introduction to the political economy of Sub-Saharan Africa. Students will explore the theory and practice of how economic motives affect political decisions and how most political decisions have economic repercussions, both domestically and in Africa. This course reviews and explores the key themes of Africa's contemporary political economy and its deep historical bases. In doing so, the course concentrates on Africa's relationship with the global political economy and raises questions about the nature of state action in African countries.

**SEC 6699 Thesis.** A total of six semester hours required for thesis credit.

**College of Education: Department of Teacher Education**

**Department Chair: Linda N. Lucksinger**

**Program Advisor: Richard Evans**

**E-mail: richard.evans@angelo.edu**

**Office: Carr Building, Room 120**

**Telephone: (325) 942-2052 ext. 477, Fax: (325) 942-2039**

**Graduate Faculty:** Banker, Bullion-Mears, Eisenwine, Evans, Gee, Hakes, Lucksinger, Maxedon, Purkiss, Solomon.

## Master of Education (M.Ed.) Special Education

The graduate faculty in the Department of Teacher Education are actively involved in research, development of new pre-service teacher education models, and in-service education programs throughout the region served by Angelo State University.

The Master of Education in Special Education is a thirty-six (36) semester credit hour degree with program options designed to meet a broad range of career goals for those who are interested in graduate level skills in Special Education. The format and courses are tailored to meet the needs of lifelong learners focused on goals that maximize their individual strengths and interest areas.

For the candidate who is a Texas certified teacher and is interested in pursuing special education certification, this program will prepare them for the Special Education Supplement TExES.

The M.Ed. in Special Education includes options for the specialization in:

- Diagnostician Certification
- Initial EC-6 Certification
- Local Behavior Certificate
- Local Dyslexia Certificate
- Reading Concentration
- Special Education Leadership

### Degree Requirements

The Master of Education in Special Education degree (36 SCH) offers options for specialization in consultation with the program advisor. The degree must be completed in 6 years.

<b>Foundation Courses Core (9 SCH required)</b>	<b>Hours</b>
ED 6327 Social and Cultural Influences on Learning . . . . .	3
ED 6351 Human Growth and Development * . . . . .	3
ED 6391 Research . . . . .	3
 <b>Special Education (12 SCH required)</b>	
ED 6330 Behavior Management * . . . . .	3
ED 6362 The Education of Exceptional Children * . . . . .	3
ED 6365 Appraisal of Diagnostic Techniques and Assessment Instruments . . . . .	3
ED 6368 Language Disorders of Children . . . . .	3
 <b>Specialization Area Option:</b>	
Select a specialization area from the following in consultation with program advisor . . . . .	15
 Total semester credit hours for Master of Education in Special Education . . . . .	36

\* This is a required course for Initial EC-6 certification. For students interested in Initial EC-6 certification refer to (page 129) for information.

# Special Education

## Specialization Areas

Specialization area options are designed to meet a broad range of career goals for those who are interested in graduate level skills in Special Education.

**Diagnostician Certification (15 SCH required)**

ED 6331 Tests and Measurements in Education. . . . .	3
ED 6348 Individual Intelligence Testing . . . . .	3
ED 6361 Psychology of Children with Cognitive Disabilities . . . . .	3
ED 6369 Laboratory Practicum in Special Education . . . . .	3
ED 6377 Issues in the Education of Students with Low Incidence Disabilities . . . . .	3

**Initial EC-6 Certification (15 SCH required) \***

ED 6303 Inductive Methodology in Elementary School Science . . . . .	3
ED 6304 Development of Mathematical Concepts in the Elementary School. . . . .	3
ED 6305 Approaches to Teaching Reading . . . . .	3
ED 6309 Teaching Reading in the Content Field . . . . .	3
ED 6329 Learning Theories. . . . .	3

**Local Behavior Certificate (15 SCH required)**

ED 6330 Behavior Management ** . . . . .	3
ED 6331 Tests and Measurements in Education. . . . .	3
ED 6361 Psychology of Children with Cognitive Disabilities . . . . .	3
ED 6380 Special Education Research: Approaches and Issues . . . . .	3
ED 6382 Advanced Research in Special Education . . . . .	3
<i>Plus one additional graduate level Education course. . . . .</i>	3

**Local Dyslexia Certificate (15 SCH required)**

*The following 9 SCH are required.*

ED 6364 Methods and Materials for Teaching Students with Special Needs . . . . .	3
ED 6368 Language Disorders of Children ** . . . . .	3
ED 6378 Instructional Issues in Dyslexia . . . . .	3

*Select 6 SCH from the following in consultation with program advisor.*

ED 6300 Language Arts in the Elementary School. . . . .	3
ED 6309 Teaching Reading in the Content Field . . . . .	3
ED 6322 Technology Application in Education . . . . .	3
ED 6380 Special Education Research: Approaches and Issues . . . . .	3
ED 6382 Advanced Research in Special Education . . . . .	3
<i>Plus one additional graduate level Education course. . . . .</i>	3

**Reading Concentration (15 SCH required)**

ED 6305 Approaches to Teaching Reading . . . . .	3
ED 6309 Teaching Reading in the Content Field . . . . .	3
ED 6312 A Survey of Literature for Children. . . . .	3
ED 6378 Instructional Issues in Dyslexia . . . . .	3
ED 6379 Management and Supervision of Reading Programs . . . . .	3

**Special Education Leadership (15 SCH required)**

CI 6315 Problems of Instructional Supervision . . . . .	3
CI 6371 Role of the Principal . . . . .	3
CI 6372 Personnel and Fiscal Management . . . . .	3
CI 6373 Educational Law . . . . .	3
ED 6369 Laboratory Practicum in Special Education . . . . .	3

\* For Initial EC-6 Certification option, ED 6303, ED 6304, and ED 6305 require admission to the Educator Preparation Program (EPP) prior to registration. A yearlong internship (ED 5361 in the fall and ED 5362 in the spring) or a one-semester clinical teaching experience (CI 5660) is required for initial certification; however, these hours may not be applied toward 36 SCH degree requirements.

\*\* This is a required professional education course counted in the program, thus requiring one additional graduate level Education course.

TExES Eligibility Procedures and Registration:

For those holding a teacher certification in Texas, this program includes an option to apply to the Educator Preparation Program to acquire supplementary Special Education (K-12) teacher certification, in order for graduate students at Angelo State University to be eligible to take the TExES, they MUST have completed the approved certification program requirements.

TExES Registration Procedure:

The registration procedures to be followed by all graduate students in obtaining approval to take the TExES through Angelo State University are:

- The graduate student must report to the appropriate graduate program advisor to determine eligibility.
- Eligible graduate students will be issued upon request a TExES Registration Bulletin by the College of Education. This bulletin contains a registration form to be completed by the student and submitted to the certification secretary in the College of Education for the affixation of the required bar code.
- The graduate student will also submit the pre-addressed envelope (found in the registration bulletin) including correct postage and a check or money order for the appropriate amount payable to NES.
- The certification secretary will place the required articles in the envelope and mail it to NES.
- Application can be completed online by the certification secretary.

Post-Baccalaureate Local Certificate Only Options  
Available in Special Education

Select in consultation with program advisor

Certificate - Local Behavior Certificate  
(15 SCH required)

ED 6330 Behavior Management . . . . .	3
ED 6331 Tests and Measurements in Education. . . . .	3
ED 6361 Psychology of Children with Cognitive Disabilities . . . . .	3
ED 6380 Special Education Research: Approaches and Issues . . . . .	3
ED 6382 Advanced Research in Special Education . . . . .	3

Certificate - Local Dyslexia Certificate  
(15 SCH required)

<i>The following 9 SCH are required.</i>		<b>Hours</b>
ED 6364 Methods and Materials for Teaching Students with Special Needs . . . . .		3
ED 6368 Language Disorders of Children . . . . .		3
ED 6378 Instructional Issues in Dyslexia . . . . .		3

Select 6 SCH from the following.

ED 6300 Language Arts in the Elementary School. . . . .	3
ED 6309 Teaching Reading in the Content Field . . . . .	3
ED 6322 Technology Application in Education . . . . .	3
ED 6380 Special Education Research: Approaches and Issues . . . . .	3
ED 6382 Advanced Research in Special Education . . . . .	3

## Special Education

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### Courses in Education (ED) \*

**\*\*ED 5361 Internship I.** Required for post-baccalaureate certification candidates seeking to satisfy the teaching requirement by teaching full-time as a teacher of record in an accredited school, jointly supervised by University faculty and school district personnel. This is the first semester of the required two-semester post-baccalaureate Internship.

Prerequisite: Must have been accepted into an ASU post-baccalaureate initial teacher certification program that requires acceptance into the ASU Educator Preparation Program.

**\*\*ED 5362 Internship II.** Required for post-baccalaureate certification candidates seeking to satisfy the teaching requirement by teaching full-time as a teacher of record in an accredited school, jointly supervised by University faculty and school district personnel. This is the second semester of the required two-semester post-baccalaureate Internship.

Prerequisite: Satisfactory completion of Education 5361 Internship I at Angelo State University.

**ED 6300 Language Arts in the Elementary School (3-0).** Designed to examine the various approaches and current issues in the teaching of language arts in the elementary classrooms, including an intensive study of design, methodology, assessment, and materials.

**ED 6303 Inductive Methodology in Elementary School Science (3-0).** The method of induction developed and applied to specific science subject areas. A field experience component will be required.

**ED 6304 Development of Mathematical Concepts in the Elementary School (3-0).** Designed to help the elementary teacher develop competencies and teaching strategies for teaching mathematical concepts in the elementary school. A field experience component will be required.

**ED 6305 Approaches to Teaching Reading (3-0).** Various approaches to reading instruction are studied including basal, whole-language, literature-based, and individualized with computer-assisted instruction. Basic concepts and principles of reading instruction are examined.

**ED 6307 Corrective Reading (3-0).** Examines causal factors of reading disabilities. Informal and formal diagnostic procedures in reading instruction are explored. Corrective reading strategies and techniques are discussed.

Prerequisite: Education 6305 or equivalent.



\* Other College of Education courses may be found in the Curriculum and Instruction, Guidance and Counseling, Professional Education, School Administration, and Student Development and Leadership sections.

\*\* A maximum of two 5000-level courses totaling no more than eight semester credit hours may be taken for graduate credit by graduate students and applied to the graduate degree plan. Permission of the Graduate Advisor or Chair of the Department and the Graduate Dean is required.

## Special Education

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**ED 6308 Laboratory Practicum in Reading.** Diagnosis of reading needs and appropriate instruction by students under supervision. Exploration of reading specialist role also included. Grading will be either pass or fail.

Prerequisites: Education 6305 and 6307 or consent of instructor.

**ED 6309 Teaching Reading in the Content Field (3-0).** Focuses upon the teaching of reading skills in the content areas. Comprehension, critical thinking, and study skills are emphasized.

**ED 6310 Curriculum and Methodology Trends (3-0).** Designed to explore elementary and secondary school curriculum and instructional trends as well as current controversies in education.

**ED 6312 A Survey of Literature for Children (3-0).** Designed to assist students in the selection and use of literature for the development, implementation and evaluation of literature programs that emphasize a strong multicultural component.

**ED 6322 Technology Application in Education (3-0).** An introduction to microcomputer applications and technology for experienced educators with emphasis upon the practical application of the technology to the educator's work environment. Major topics include (1) designing microcomputer environments in the schools, (2) selecting and evaluating hardware and courseware, (3) developing computer literacy curriculum, and (4) managing and supervising school computer programs. Hands-on experience with microcomputer hardware and software will be stressed.

**ED 6327 Social and Cultural Influences on Learning (3-0).** Designed to present a broad base of knowledge about culture and learning. Approaches, materials, and research will be investigated. Specific skills for identifying learning problems and solving them through classroom instruction will be featured.

**ED 6329 Learning Theories (3-0).** This course examines how human learning occurs, the factors that influence learning, and the theories that have influenced teaching and learning. Topics include, but are not limited to, behavioral, social-cognitive, cognitive, constructivism, and motivation to learn theories.

**ED 6330 Behavior Management (3-0).** The study of various classroom management, behavior management, and behavior modification techniques appropriate for all students. The course teaches educators to apply effective behavior management strategies to all individuals in a variety of settings. Emphasis will be on the adaptation of techniques department upon student age and grade level.

**ED 6331 Tests and Measurements in Education (3-0).** A study of typical methods of measuring intelligence, achievement, special aptitudes, and personality. Emphasis is placed on the interpretation and use of tests. Elementary statistical terms and processes are studied.

**ED 6348 Individual Intelligence Testing (3-0).** A specialized study focusing on the administration, interpretation, and reporting results of individual intelligence tests and other diagnostic instruments emphasizing the identification of learning problems and recommendations for individual learning plans.

Prerequisites: Education 6362, 6365, and permission of instructor.

**ED 6351 Human Growth and Development (3-0).** A study of human development through the life span, including physiological, social, emotional, cognitive, language, and cultural influences.

**ED 6361 Psychology of Children with Cognitive Disabilities (3-0).** Nature and types of mental deficiency, measurement of defective intelligence, mental and personality development, school-home leadership, and discipline of Intellectual and Developmental Disabilities including Autism Spectrum Disorders.

Prerequisite: Education 6362.

**ED 6362 The Education of Exceptional Children (3-0).** An introduction to the basic principles of special education programs focusing on school-home learning problems.

## Special Education

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**ED 6364 Methods and Materials for Teaching Students with Special Needs (3-0).** A course designed to address the special techniques required for teaching individuals with cognitive differences. Topics include curriculums, assessment methods, instructional and behavioral strategies, methods of documentation and monitoring individual progress.

**ED 6365 Appraisal of Diagnostic Techniques and Assessment Instruments (3-0).** Development of diagnostic techniques using a wide variety of assessment instruments to diagnose areas associated with learning problems, emphasizing assessment for planning, monitoring, and evaluating student progress.

Prerequisite: Education 6362.

**ED 6367 Managing Individuals with High Incidence Disabilities (3-0).** Study of the characteristics of children with learning and behavioral disorders. Management and motivation techniques and positive behavior supports will be presented. A field component will be required.

Prerequisites: Education 6362 and 6330.

**ED 6368 Language Disorders of Children (3-0).** A study of the language and behavioral symptomatology of language-impaired children. Linguistics, sociological, and psychological influences on oral and written language behavior are explored. Techniques will be presented to screen for aphasia and central auditory disturbances. A field experience component will be required.

Prerequisite: Education 6362.

**ED 6369 Laboratory Practicum in Special Education.** Designed to develop the skills, techniques, and competencies associated with the role of the educational diagnostician. Individuals will work under the supervision of a certified education diagnostician and a faculty member. Grading will be either pass or fail.

Prerequisite: Education 6362 plus an additional six hours in special education and the consent of the instructor.

**ED 6376 Introduction to ESL Programs in Public Schools (3-0).** A study of English as a second language (ESL) programs, topics include effective multicultural and multilingual learning environments, and addressing the affective, linguistic, and cognitive needs of ESL students.

**ED 6377 Issues in the Education of Students with Low Incidence Disabilities (3-0).** A study of problems related to the education of individuals with learning differences. Special attention is given to the design of differentiated instruction and behavioral strategies to assist student learning. A field component will be required.

Prerequisite: Education 6362.

**ED 6378 Instructional Issues in Dyslexia (3-0).** The focus of this course will be on developing an understanding of dyslexia and its remediation. Participants will learn how to teach a person with dyslexia using systematic, multisensory approach. This course explores effective instructional strategies for teaching Dyslexic students. It covers advanced instructional practices for teaching individuals with Dyslexia.

Prerequisite: Education 6364.

**ED 6379 Management and Supervision of Reading Programs (3-0).** Designed to explore the management and supervision of a school district's reading program. Administrative and supervisory techniques for developing and improving the K-12 reading curriculum are emphasized.

**ED 6380 Special Education Research: Approaches and Issues (3-0).** This course is designed to introduce educators to the basic designs and methods used in special education. Students will learn to critically analyze the research literature and will have the opportunity to design and conduct a small-scale research project.

**ED 6381 Special Topics (3-0).** A study of selected topics in education. (May be repeated once for credit when topic varies.)

**ED 6382 Advanced Research in Special Education (3-0).** This course is designed to introduce educators to the process of reviewing, evaluating, conducting, and disseminating educational research. Students will have the opportunity to design, conduct, and present a research project.

## Special Education

**ED 6391 Research (3-0).** The types and methods of educational research. The student is expected to complete a research project or field study utilizing appropriate methods of educational research.

**ED 6393 Individual Research.** A specialized course which may be directed reading or research for superior students under the direction of a graduate faculty member. (Course may be repeated only with departmental approval.)

### Courses in Curriculum and Instruction (CI)

**CI 6315 Problems of Instructional Supervision (3-0).** Designed to acquaint students with current literature regarding instructional supervision including such topics as theories of leadership, communication, change, organization, and decision making.

**CI 6371 Role of the Principal (3-0).** Designed to acquaint the student with the organization, program, curriculum, plant supervision, and education procedures for the elementary, middle, and senior high school.

**CI 6372 Personnel and Fiscal Management (3-0).** This course is designed to develop knowledge and skills related to public school campus budgets, accountability procedures and human relations issues arising from fiscal decisions.

**CI 6373 Educational Law (3-0).** Designed to explore the field of knowledge of federal, state, and local school laws pertinent to school administration and to facilitate effective decision making in this area of school administration.



# Student Development and Leadership in Higher Education

**College of Education: Department of Curriculum and Instruction**

**Department Chair: James A. Summerlin**

**Program Advisor: Alaric Williams**

**E-mail: [alaric.williams@angelo.edu](mailto:alaric.williams@angelo.edu)**

**Office: Carr Building, Room 127**

**Telephone: (325) 942-2647, Fax: (325) 942-2039**

**Graduate Faculty:** Livengood, McGlamery, Miazga, Summerlin, Tarver, Williams.

## Master of Education (M.Ed.)

### Student Development and Leadership in Higher Education

The graduate faculty in the Department of Curriculum and Instruction are actively involved in research, development of new teacher education models, and in-service education programs throughout the region served by Angelo State University.

As a summative requirement for the degree, the candidate must successfully complete a comprehensive program review with a committee of Graduate Faculty.

This program prepares the student for higher education leadership positions in the nonacademic arena of college campuses, such as career services, enrollment management, residence life, or financial aid.

### Degree Requirements

Required Courses	Hours
CI 6327 Social and Cultural Influences on Learning . . . . .	3
CI 6331 Tests and Measurements in Education . . . . .	3
CI 6334 The History of Higher Education . . . . .	3
CI 6335 American Higher Education . . . . .	3
CI 6336 College Student Development. . . . .	3
CI 6337 Leadership in Higher Education . . . . .	3
CI 6340 Issues in Student Development . . . . .	3
CI 6347 Career and Occupational Counseling . . . . .	3
CI 6351 Human Growth and Development. . . . .	3
CI 6360 Internship in Higher Education *. . . . .	3
CI 6363 Applied Research. . . . .	3
CI 6373 Educational Law . . . . .	3
Total semester credit hours for Master of Education in Student Development and Leadership in Higher Education . . . . .	36

\* Application for internship course must be made at least one semester in advance.

# Student Development and Leadership in Higher Education

## Academic Advising Certificate

The Academic Advising Certificate program is designed for graduate students and first year or experienced academic advisors in both two-year and four-year institutions. This program is also designed for individuals whose desire is to seek more advising knowledge beyond their disciplines and for individuals who anticipate academic advising rolls. The program plan will list the courses students need to complete the certificate process. The Advising Certificate Program uses an online format. Students will receive certification after successfully completing coursework. With regular admission to the graduate program, these courses can be applied to the Master of Education in Student Development and Leadership in Higher Education degree. Form more information contact the program advisor.

### Certificate Requirements

#### Certificate - Academic Advising

Specialization Courses	Hours
CI 6327 Social and Cultural Influences on Learning . . . . .	3
CI 6332 Student Affairs and Administrative Services . . . . .	3
CI 6333 Foundations of Academic Advising . . . . .	3
CI 6336 College Student Development . . . . .	3
CI 6347 Career and Occupational Counseling . . . . .	3

### Courses in Curriculum and Instruction (CI) \*

**CI 6327 Social and Cultural Influences on Learning (3-0).** Designed to present a broad base of knowledge about culture and learning. Approaches, materials, and research will be investigated. Specific skills for identifying learning problems and solving them through classroom instruction will be featured.

**CI 6331 Tests and Measurements in Education (3-0).** A study of typical methods of measuring intelligence, achievement, special aptitudes, and personality. Emphasis is placed on the interpretation and use of tests. Elementary statistical terms and processes are studied.

**CI 6332 Student Affairs and Administrative Services (3-0).** An examination of the institutional need for student affairs programs and the many different units that make up student affairs. Students will become familiar with the structure and function of the student affairs office and its context in higher education.

**CI 6333 Foundations of Academic Advising (3-0).** This course examines the foundations of academic advising as an essential component of student success and retention in higher education. Topics include developmental advising, literature and research on academic advising, models and delivery systems, skills for effective advising, advising diverse populations, assessment, evaluation and reward systems for advisor and advising programs.

**CI 6334 The History of Higher Education (3-0).** An examination of the development of the American system of higher education - its origin, major characteristics, trends, and distinctive features.

**CI 6335 American Higher Education (3-0).** A comprehensive introduction to the basic philosophical tenets of American higher education including facts and fundamental theoretical concepts on which to build future understandings and research.

**CI 6336 College Student Development (3-0).** An in-depth study of development theories that are unique to college-aged students. Examines issues facing college students including, but not limited to, sources of motivation, learning styles, development of values, relationship development, mental/physical and psychological development.

\* Other College of Education courses may be found in the Curriculum and Instruction, Guidance and Counseling, Professional Education, School Administration, and Special Education sections.

## Student Development and Leadership in Higher Education

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**CI 6337 Leadership in Higher Education (3-0).** An examination of organization theory, models, and policies; governance, and management process; and leadership perspectives and leadership theory. A review of research and new conceptual perspectives will be included.

**CI 6338 Communication Skills in Student Development (3-0).** Theories and techniques of verbal and non-verbal communication in student development and higher education are examined. Students learn communication and interpersonal skills related to individual and group processes.

**CI 6339 Assessment of Student Outcomes (3-0).** An examination of the philosophy and practice of assessment and evaluation of student outcomes data in higher education.

**CI 6340 Issues in Student Development (3-0).** Current issues in the administration of student development programs and activities on college and university campuses in the United States. Provides an in-depth analysis of prevalent issues unique to both community colleges and senior universities.

**CI 6347 Career and Occupational Counseling (3-0).** A study of the basic principles related to educational-vocational planning, including practical experiences in administering, reviewing, and evaluating occupational and career standardized data profiles.

**CI 6351 Human Growth and Development (3-0).** A study of human development through the life span including physiological, social, emotional, cognitive, language, and cultural influences.

**CI 6354 Legal, Ethical, and Moral Issues in Higher Education (3-0).** Designed to provide the student with an overview of the legal, ethical and moral issues commonly faced by student development professionals employed in institutions of higher education. Special attention is given to issues of student diversity.

**CI 6359 Practicum in Higher Education.** Designed to provide a supervised practical experience covering a broad range of student development positions commonly found in institutions of higher education. Grading will be on a pass/fail basis.

Prerequisite: Permission of the Graduate Advisor.

**CI 6360 Internship in Higher Education.** Designed to provide a supervised internship experience specializing in two areas of student development positions commonly found in institutions of higher education. Grading will be on a pass/fail basis.

Prerequisite: Permission of the Graduate Advisor.

**CI 6363 Applied Research (3-0).** This course will focus on collecting and interpreting data to achieve a stated educational goal for each individual student. Concepts of tests and measurements will be emphasized for interpreting research results and gathering data for applied research. Students will develop a project based upon their research. Student will apply concepts learned within their own classroom under the guidance of the professor.

**CI 6373 Educational Law (3-0).** Designed to explore the field of knowledge of federal, state, and local school laws pertinent to school administration and to facilitate effective decision making in this area of school administration.

**CI 6381 Special Topics (3-0).** A study of selected topics in education. (May be repeated once for credit when topic varies.)

**CI 6391 Research (3-0).** The types and methods of educational research. The student is expected to complete a research project or field study utilizing appropriate methods of educational research.

**CI 6393 Individual Research.** A specialized course which may be directed reading or research for superior students under the direction of a graduate faculty member. (Course may be repeated only with departmental approval.)

## Certificate Programs

All graduate certificate programs require an overall 3.00 grade point average and a grade of at least a “B” in each required class. All course work for certificates must be taken in-residence; transfer credits from other institutions will not apply towards certificate programs.

### Certificate - Academic Advising

#### Specialization Courses

#### Hours

CI 6327 Social and Cultural Influences on Learning . . . . .	3
CI 6332 Student Affairs and Administrative Services . . . . .	3
CI 6333 Foundations of Academic Advising . . . . .	3
CI 6336 College Student Development . . . . .	3
CI 6347 Career and Occupational Counseling . . . . .	3

See (page 159) for more information.

### Certificate - Border Security

#### (12 SCH required)

*The following 9 SCH are required.*

BOR 6310 Seminar in Port, Border, and Coastal Security . . . . .	3
BOR 6311 Transportation Security . . . . .	3
BOR 6320 Studies in Terrorism . . . . .	3

*Select 3 SCH from the following:*

BOR 6301 Seminar in Homeland Security . . . . .	3
BOR 6302 Introduction to Geographic Information Systems . . . . .	3
BOR 6340 Constitutional Issues in Homeland Security . . . . .	3
BOR 6341 Advanced Studies in International Police Development . . . . .	3
BOR 6355 National Security Policy . . . . .	3

See (page 64) for more information.

### Certificate - Post Master's Certificate Program: Clinical Nurse Specialist (CNS)

#### (21 SCH required)

NUR 6333 Internship in Advanced Nursing Practice . . . . .	3
NUR 6335 Role Development: The Advanced Practice Nurse . . . . .	3
NUR 6343 Adult Health I: Foundations of Advanced Nursing Care of the Adult . . . . .	3
NUR 6344 Adult Health I: Practicum in Advanced Nursing Care of the Adult . . . . .	3
NUR 6345 Adult Health II: Diagnosis and Management . . . . .	3
NUR 6346 Adult Health II: Practicum in Diagnosis and Management . . . . .	3
NUR 6350 Foundation of Health Promotion for Individuals & Communities . . . . .	3

See (page 107) for more information.

### Certificate - Emergency Management

#### (12 SCH required)

*The following 9 SCH are required.*

BOR 6322 Chemical, Biological, Radiological, and Nuclear Hazards and Responses . . . . .	3
BOR 6330 Studies in Disaster Preparedness . . . . .	3
BOR 6331 Seminar in Emergency Planning . . . . .	3

*Select 3 SCH from the following:*

BOR 6301 Seminar in Homeland Security . . . . .	3
BOR 6302 Introduction to Geographic Information Systems . . . . .	3
BOR 6340 Constitutional Issues in Homeland Security . . . . .	3
BOR 6341 Advanced Studies in International Police Development . . . . .	3
BOR 6355 National Security Policy . . . . .	3

See (page 64) for more information.

## Certificates

### Certificate - Post Master's Certificate Program: Family Nurse Practitioner (FNP)

(25 SCH required)	Hours
NUR 6105 Advanced Skills for Advanced Practice Nurses . . . . .	1
NUR 6325 Family Primary Care I . . . . .	3
NUR 6326 Family Primary Care II . . . . .	3
NUR 6327 Family Primary Care I Practicum . . . . .	3
NUR 6335 Role Development: The Advanced Practice Nurse . . . . .	3
NUR 6336 Family Primary Care II Practicum . . . . .	3
NUR 6337 Integrated Clinical Practice: FNP . . . . .	3
NUR 6350 Foundation of Health Promotion for Individuals & Communities . . . . .	3
NUR 6351 Mental Health Concepts for Advanced Practice Nurses . . . . .	3

See (page 107) for more information.

### Certificate - Global Security Issues

(12 SCH required)	
SEC 6312 Globalization and International Security . . . . .	3
SEC 6320 Human Rights and National Security . . . . .	3
SEC 6321 Energy Security Studies . . . . .	3
SEC 6322 Transnational Issues and National Security . . . . .	3

See (page 146) for more information.

### Certificate - International Conflict Studies

(12 SCH required)	
SEC 6309 Grand Strategy and National Security . . . . .	3
SEC 6315 Rogue Nations and National Security . . . . .	3
SEC 6317 Weapons of Mass Destruction, Proliferation, and National Security . . . . .	3
SEC 6318 Weak and Failing States and National Security . . . . .	3

See (page 146) for more information.

### Certificate - Local Behavior Certificate

(15 SCH required)	
ED 6330 Behavior Management . . . . .	3
ED 6331 Tests and Measurements in Education . . . . .	3
ED 6361 Psychology of Children with Cognitive Disabilities . . . . .	3
ED 6380 Special Education Research: Approaches and Issues . . . . .	3
ED 6382 Advanced Research in Special Education . . . . .	3

See (page 153) for more information.

### Certificate - Local Dyslexia Certificate

(15 SCH required)	
<i>The following 9 SCH are required.</i>	
ED 6364 Methods and Materials for Teaching Students with Special Needs . . . . .	3
ED 6368 Language Disorders of Children . . . . .	3
ED 6378 Instructional Issues in Dyslexia . . . . .	3
<i>Select 6 SCH from the following.</i>	
ED 6300 Language Arts in the Elementary School . . . . .	3
ED 6309 Teaching Reading in the Content Field . . . . .	3
ED 6322 Technology Applications in Education . . . . .	3
ED 6380 Special Education Research: Approaches and Issues . . . . .	3
ED 6382 Advanced Research in Special Education . . . . .	3

See (page 153) for more information.

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### Certificate - Post Master's Certificate Program: Nurse Educator Hours

NUR 6306 Teaching Strategies in Nursing Education . . . . .	3
NUR 6307 Evaluation in Nursing Education . . . . .	3
NUR 6308 Practicum in Nursing Education . . . . .	3
NUR 6319 Curriculum and Instruction in Nursing Education. . . . .	3

See (page 108) for more information.

### Certificate - Post Master's Certificate Program: Registered Nursing First Assistant (RNFA)

Prerequisites for the program include Certification as an Advanced Practice Nurse, BCLS (ACLS Preferred), and basic computer skills.

NUR 6309 Role of the RNFA . . . . .	3
NUR 6401 RNFA Practicum. . . . .	4

See (page 108) for more information.

### Certificate - Terrorism and Counterinsurgency Studies (12 SCH required)

SEC 6309 Grand Strategy and National Security . . . . .	3
SEC 6313 Intelligence and National Security . . . . .	3
SEC 6314 Terrorism and National Security. . . . .	3
SEC 6316 Peacekeeping and Stability Operations . . . . .	3

See (page 146) for more information.

### Certificate - Transnational Crime Studies (12 SCH required)

*The following 9 SCH are required.*

BOR 6304 Advanced Studies in Transnational Crime . . . . .	3
BOR 6305 Advanced Studies in Human Trafficking . . . . .	3
BOR 6306 Advanced Studies in International Drug Trafficking . . . . .	3

*Select 3 SCH from the following:*

BOR 6301 Seminar in Homeland Security . . . . .	3
BOR 6302 Introduction to Geographic Information Systems. . . . .	3
BOR 6340 Constitutional Issues in Homeland Security. . . . .	3
BOR 6341 Advanced Studies in International Police Development . . . . .	3
BOR 6355 National Security Policy . . . . .	3

See (page 64) for more information.



Certificates

Post Master's Certification Programs

Students pursuing a professional certificate on a certification plan may use previous graduate course work to fulfill certification requirements. All work must be completed within a period of six years from the earliest credit to be counted on the certification plan. Under certain circumstances, a time extension of up to four years may be granted on a course by course basis.

If a time extension for one or more courses is desired, a written application must be presented to the program advisor appropriate to the certification plan. It must explain (1) why the certification plan was not completed in a timely manner, (2) a schedule for completing the certification plan, and (3) information indicating that the student's knowledge of the subject matter in each course for which an extension is requested remains current.

Time extensions are not routine. Courses taken more than 10 years before the completion of the post master's certification plan are never allowed to be used toward the plan. Additional courses are frequently assigned to the student who has not completed the certification plan requirements within the six-year time limit.

Diagnostician Certification

(15 SCH required)

ED 6331 Tests and Measurements in Education. . . . .	3
ED 6348 Individual Intelligence Testing . . . . .	3
ED 6361 Psychology of Children with Cognitive Disabilities . . . . .	3
ED 6369 Laboratory Practicum in Special Education . . . . .	3
ED 6377 Issues in the Education of Students with Low Incidence Disabilities . . . . .	3
See (page 152) for more information.	

Principal Certification

Specialization Courses

Hours

CI 6315 Problems of Instructional Supervision . . . . .	3
CI 6319 Practicum in School Administration . . . . .	3
CI 6371 Role of the Principal . . . . .	3
CI 6372 Personnel and Fiscal Management . . . . .	3
CI 6373 Educational Law . . . . .	3

Other courses may be required as determined by the School Administration advisor.

See (page 142) for more information.

Reading Specialist with certification

(27 SCH required)

Professional Education Courses (12 SCH required)

ED 6307 Corrective Reading . . . . .	3
ED 6310 Curriculum and Methodology Trends or	
ED 6362 The Education of Exceptional Children or	
ED 6381 Special Topics . . . . .	3
ED 6329 Learning Theories . . . . .	3
ED 6379 Management and Supervision of Reading Programs . . . . .	3

Specialization Courses - Reading Specialist (15 SCH required)

ED 6300 Language Arts in Elementary School. . . . .	3
ED 6305 Approaches to Teaching Reading . . . . .	3
ED 6308 Laboratory Practicum in Reading . . . . .	3
ED 6309 Teaching Reading in the Content Field . . . . .	3
ED 6312 A Survey of Literature for Children. . . . .	3
See (page 128) for more information.	

**Superintendent Certification**  
**(15 SCH required)**

Specialization Courses	Hours
CI 6383 School-Community Relationships . . . . .	3
CI 6384 School District Resource Management . . . . .	3
CI 6385 Human Relationships in Educational Administration . . . . .	3
CI 6386 School Plant Planning and Maintenance . . . . .	3
CI 6388 Superintendent Internship in Education . . . . .	3
See (page 142) for more information.	



## Center for International Studies

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**Director: Sharynn M. Tomlin, Ph.D.**

**Office: Office Annex**

**Telephone: (325) 942-2083, Fax: (325) 942-2084**

### Center for International Studies

Angelo State University (ASU) is committed to providing our students a globalized education in an effort to prepare them for an ever changing world. The Center for International Studies (CIS) provides international and educational opportunities for students and faculty and emphasizes the importance of international connections and partnerships as a catalyst for change. The CIS encompasses four inter-related services: Study Abroad, International Students and Scholars Services, English Language Learners Institute, and K-12 programs. Additionally, the CIS sponsors the Student Scholars program to provide scholarships for students involved in international research and internships, the Faculty International Advancement Program, the Summer Institute for visiting programs from exchange institutions and is the campus Peace Corp advocate office. The CIS is an official passport acceptance agency providing passport services to ASU and San Angelo community.

### International Students and Scholars Services (ISSS)

Angelo State University welcomes students from countries around the world. Our office serves both prospective and current international students. Listed below are the admissions requirements for international students to attend Angelo State University.

### International Graduate Student Admissions

Angelo State University is authorized under Federal law to enroll nonimmigrant alien students. International applicants for graduate admissions must meet requirements for graduate programs. A student from a foreign country will be eligible for admission to Angelo State University and a Form I-20, Certificate for Eligibility, will be issued when all admission requirements have been met and the following items are on file in the Center for International Studies:

- Application for Admission \* with mandatory non-refundable \$50 application fee (international money order payable in U.S. dollars).
- Official transcript of previous academic records.
- All graduate admission requirements (beginning on [page 10](#))
- Supplemental Information Form for international applicants.
- ASU Official Financial Statement completed by sponsor and original bank statement or letter (with amounts in U.S. dollars) guaranteeing the applicant's financial support while in the United States.

An international applicant must have all of these items on file in the Center for International Studies no later than June 10 in order to register for the fall semester, November 1 to register for the spring semester, and March 15 to register for the summer session.

**Other Provisions and Conditions of Admission.** All other provisions and conditions of admission not covered by the above admission requirements shall be established by the President of the University.

### Insurance Requirement for International Students

All international students will be automatically billed by ASU for the Group Hospitalization, Medical U.S. Evacuation, and Repatriation Insurance plan provided through the University for each semester enrolled. Further information regarding insurance coverage and cost may be obtained from the University's International Student and Scholars Services Counselor in the Center for International Studies.

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\* An Application for Admission form may be obtained by accessing the online application at ([www.applytexas.org](http://www.applytexas.org)).

## Center for International Studies

### Study Abroad

Each year the University offers a variety of summer study abroad programs which are developed and directed by ASU faculty. In recent years, students from Angelo State University have spent their summer sessions in locations such as Australia, China, Costa Rica, France, Germany, Italy, Greece, Mexico, New Zealand, Russia, and United Kingdom. Additionally, opportunities for international internship and research experiences are provided to ASU students in certain specialized programs. Students typically earn six hours of credit in the summer programs. Courses vary each year.

Angelo State University has also entered into exchange agreements with institutes and universities from Costa Rica, Mexico, Germany, France, Italy, the Netherlands, South Korea, United Kingdom, and Poland, which enable ASU students to study abroad for a semester or an academic year. These agreements also provide opportunities for international students to study at Angelo State University where they contribute to the learning environment for ASU students through their participation in class and extracurricular activities. In addition, the University provides information and advising for the student who is interested in studying independently at an overseas university. Students who are selected to participate in a study abroad experience are eligible to apply for the International Studies scholarships.



## Center for International Studies

### English Language Learners Institute

If you are interested in improving your English language skills, the intensive English language learners (ELL) program at Angelo State University (ASU) will provide you with the opportunity to study and practice the language in an outstanding academic environment. The English Language Learners Institute is located in the Center for International Studies on the campus of ASU in San Angelo, Texas.

The ELL is a non-credit program set up to assist non-native English speakers who want to learn English for academic and professional purposes. The classes are designed for people who have an interest in studying at universities and colleges in the United States. However, people who would like a short-term American study experience in order to improve their English are also encouraged to attend the ELL Institute. Prospective students take a placement test before starting the program, and are assigned to the appropriate level of class. Students who successfully complete the highest level of class are given a TOEFL waiver. For further information contact: [ELLI@angelo.edu](mailto:ELLI@angelo.edu) or visit the Center for International Studies.

### K-12 Program

The K-12 Program is designed to provide a variety of learning experiences that culturally enhance the curriculum available to Kindergarten-12th grade students in public and private schools throughout the Region XV service area. By incorporating international education experiences using arts, social studies, math, and modern languages, we can enhance the value our students put on education. The CIS has created this program to further promote international primary and secondary education for Texas students by providing materials and on-campus programs.

Information regarding all study abroad, ISSS, ELL and K-12 programs and opportunities is available by visiting the website at ([www.angelo.edu/dept/cis](http://www.angelo.edu/dept/cis)).

### Courses in International Studies (ISTD)

**ISTD 6314 Multinational Management Strategy (3-0).** This course is designed as a class offered through the study abroad program. An advanced study of global strategies and management practices as compared with those in the European Union. Special focus will be given to creating a single, seamless organization capable of operating in a dynamic international environment.

**ISTD 6381 Special Topics in International Studies (3-0).** These courses are designed for classes offered through the study abroad program and are often interdisciplinary in nature. (Course topics vary by program and each course may be repeated when the topic varies.)



## Departments Offering Courses for Graduate Credit

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**College of Arts and Sciences: Department of Chemistry and Biochemistry**  
**Professor and Chair: John J. Osterhout**

**Graduate Faculty:** Osterhout.

### Graduate Study Courses

#### Chemistry

The Department of Chemistry and Biochemistry offers graduate courses as supporting electives for a program of study leading to a Master of Arts or a Master of Science degree. Prerequisites for all graduate chemistry classes include fundamental undergraduate courses in general, analytical, and organic chemistry.

#### Facilities

The graduate faculty in the Department of Chemistry are engaged in a wide range of research activities in well equipped laboratories. Students will find a stimulating intellectual environment where they can improve their preparation for teaching chemistry in the public schools, support their master's study in animal science or biology, or prepare for further graduate study.

#### Courses in Chemistry (CHEM)

**\*CHEM 5233 Biochemistry Laboratory (0-6).** A survey of the techniques and applications of molecular biology and biochemistry. Emphasis on current techniques and structure/function relationships of biological macromolecules. Course meets concurrently with Chemistry 4233 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Biology 3403, Chemistry 3352, and 4331. Permission of Graduate Advisor and Graduate Dean.

**\*CHEM 5331 Biochemistry (3-0).** The chemistry of living organisms, carbohydrates, lipids, proteins, vitamins, and related cellular constituents are considered. Course meets concurrently with Chemistry 4331 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Chemistry 3352. Permission of Graduate Advisor and Graduate Dean.

**\*CHEM 5332 Intermediary Metabolism (3-0).** Coordinated examination of enzymatic processes in the living cell. Course meets concurrently with Chemistry 4332 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Chemistry 3352. Permission of Graduate Advisor and Graduate Dean.

**\*CHEM 5333 Biophysical Chemistry (3-0).** This course presents an introductory development of classical thermodynamics and dynamics as it applies to equilibrium, kinetics, and the transport properties of biological molecules. Biophysical methods for characterizing biological macromolecules, such as light scattering, sedimentation, electrophoresis, and structure determination methods will be presented and discussed. Course meets concurrently with Chemistry 4333 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Chemistry 3352 and Mathematics 2513 or concurrent registration. Chemistry 4331 is recommended. Permission of Graduate Advisor and Graduate Dean.

**\*CHEM 5521 Instrumental Analysis (3-6).** An introduction to the theoretical and practical aspects of physiochemical methods of analysis, including optical and chromatographic techniques. Course meets concurrently with Chemistry 4521 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisites: Chemistry 2421 and 3352. Permission of Graduate Advisor and Graduate Dean.

**CHEM 6383 Selected Topics in Biochemistry (3-0).** Topics are chosen from such areas as intermediary metabolism, proteins, enzymes, physical biochemistry, or vitamins and hormones. (May be repeated once for credit when topic varies.)

\* Up to 12 SCH of approved 5000-level chemistry courses may be taken for graduate credit by graduate students, with the written permission of the Chair of the Department of the graduate student's major and the Dean of the College of Graduate Studies.

## Departments Offering Courses for Graduate Credit

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**College of Arts and Sciences: Department of English and Modern Languages**  
**Professor and Chair: Laurence E. Musgrove**

**Graduate Faculty:** Muelsch.

### **Graduate Study Courses** **Modern Languages**

#### **English as a Second Language (ESL)**

Interested students should consult with the Chair of the Department of English and Modern Languages when considering preparation in the area of ESL.



#### **Courses in Linguistics (LING)**

**LING 6301 Linguistics for Public School Teachers (3-0).** A survey of the phonological, morphological, syntactic, and semantic components of the English language. Linguistic principles and techniques as applied to the teaching of reading and language arts and a contrastive study of grammatical structures.

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**Board of Regents**  
**Texas Tech University System**

**Officers**

**Jerry E. Turner**, Chair  
**Mickey L. Long**, Vice Chair

**Regents**

Term Expires January 31, 2013  
**L. Frederick “Rick” Francis** . . . . . El Paso  
**John F. Scovell** . . . . . Dallas  
**Jerry E. Turner** . . . . . Blanco

Term Expires January 31, 2015  
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**Mickey L. Long** . . . . . Midland  
**Nancy Neal** . . . . . Lubbock

Term Expires January 31, 2017  
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**Debbie Montford** . . . . . San Antonio  
**John D. Steinmetz** . . . . . Lubbock

**Student Regent**

Term Expires May 31, 2012  
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**Christina Martinez**, Executive Secretary to the Board of Regents

## University Administration

### 2011-2012

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Vance R. Valerio, Ph.D.	Vice President for Student Affairs and Enrollment Management
Joe Munoz, J.D.	Senior Executive Assistant to the President and Assistant to the President for Multicultural Initiatives
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Cindy Skaruppa, Ph.D.	Associate Vice President for Enrollment Management
Angelina Wright, B.B.A.	Associate Vice President for Finance and Administration
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Corbett F. Gaulden, Jr., Ph.D.	Dean of the College of Education
John J. Miazga, Jr., Ed.D.	Dean of the College of Education
Leslie M. Mayrand, Ph.D.	Dean of the College of Health and Human Services

#### Academic Department Chairs

##### College of Arts and Sciences

Gilbert R. Engdahl, Ph.D.	Department of Agriculture and Director of Management, Instruction and Research Center
David E. Scott, Ph.D.	Department of Art and Music
R. Russell Wilke, Ph.D.	Department of Biology
John J. Osterhout, Ph.D.	Department of Chemistry and Biochemistry
Shawn T. Wahl, Ph.D.	Department of Communication, Mass Media, and Theatre
Laurence E. Musgrove, Ph.D.	Department of English and Modern Languages
Kenneth J. Heineman, Ph.D.	Department of History
Roger E. Zarnowski, Ph.D.	Department of Mathematics and Computer Science
Andrew B. Wallace, Ph.D.	Department of Physics and Geosciences
Laurence F. Jones, Ph.D.	Department of Political Science and Philosophy

##### College of Business

Thomas A. Bankston, Ph.D.	Department of Accounting, Economics and Finance
Stephen W. Magnan, M.S.S.I.	Department of Aerospace Studies
Tom F. Badgett, Ph.D.	Department of Management and Marketing
Robert S. Ehlers, Jr., Ph.D.	Department of Security Studies and Criminal Justice

##### College of Education

James A. Summerlin, Ed.D.	Department of Curriculum and Instruction
Linda N. Lucksinger, Ph.D.	Department of Teacher Education

##### College of Health and Human Services

Steven R. Snowden Ph.D.	Department of Kinesiology
Susan C. Wilkinson, Ph.D.	Department of Nursing and Rehabilitation Sciences
William B. Davidson, Ph.D.	Department of Psychology, Sociology and Social Work

# University Administration

## Administrative Staff

### President's Office

Candice B. Brewer, B.S.	Director of Carr Foundation Operations
Rebecca Brackin, B.B.A.	Director of Community Relations
Kathleen Brasfield, M.A.T.	Athletic Director
Robert S. Ehlers, Jr., Ph.D.	Director of the Center for Security Studies and Chair, Department of Security Studies and Criminal Justice
Brandon Ireton, M.S.	Director of Athletic Communications
Emily Knopp, M.S.A., C.P.A., CISA	Director of Audit Services
Preston Lewis, M.A.	Director of Communications and Marketing
Flor Madero, M.A., A.B.D.	Associate Director of Multicultural Affairs
Michael W. Martin, A.A.	Director of Graphics
Adelina C. Morales, B.B.A.	Executive Assistant
Susan J. Williams, B.S.	Deputy Director of the Center for Security Studies

### Division of Academic Affairs

Mark A. Allan, M.S.L.S., J.D.	Head, Reference Department
Crystal Braden, M.S.	Director of Institutional Planning, Policy and Effectiveness
Suzanne O. Campbell, M.A.	Head, Special Collections and Programs
Susan Elkins M.L.I.S.	Electronic Serials Librarian
David A. Erickson, M.B.A.	Director of the Small Business Development Center
Martha C. Faz, B.B.A.	Executive Assistant
Maurice G. Fortin, Ph.D.	Executive Director of Library Services
Janice M. Hock, M.L.S.	Acquisitions Librarian
Meghan J. Pace, M.Ed.	International Student Services Counselor
Janetta K. Paschal, M.L.S.	Head, Library Technical Services
Michael A. Perez, Ph.D.	Director of Extended Studies
Mark T. Schafer, M.S.	Coordinator of Research, MIR Center
Sarah Schmidt, M.S.	Reference/Government Librarian
Angela L. Skaggs, M.L.S.	Head, Library Access Services
Brenda M. Stewart, M.A.	Degree Audit and Curriculum Coordinator
Shannon Sturm, B.A.	University Archivist, West Texas Collection
Antonella Ward, M.L.S.	Multimedia Support Librarian
Sara L. Weertz, M.Ed.	Executive Director of First Year Experience

### Division of Development and Alumni Relations

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Jamie D. Akin, M.P.A.	Development Officer
Deborah K. Velasquez, B.A.	Annual Fund Coordinator

### Division of Finance and Administration

James E. Adams, B.S.	Director of Public Safety and Chief of University Police
Elaine M. Beach, M.B.A.	Director of Customer Support and Multimedia Services
Linda G. Bible, B.B.A.	Property Manager/Accountant
Brian M. Braden, M.S.	Executive Director of Information Technology
Curt Braden, B.B.A.	Technology Services Manager
Jason Brake, B.S.	Information Technology Security Officer
Denise H. Brodnax, B.B.A., C.P.A.	Executive Director and Controller
Martha Cox	Manager of Student Accounts/Bursar
Janet Coleman, B.B.A.	Director of Accounting
Bill Cullins, M.A.	Director of Special Projects
Patrick Dierschke, M.Ed.	Coordinator of Learning and Communication Services
Jackie Droll, M.A.	Technology Services Project Manager
Jay Halbert, B.B.A.	Director of Facilities Management
Jeane M. Irby, M.B.A.	Director of Strategic Planning, Communication and Assistant to the Chief Information Officer

## University Administration

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Brian Jackson, M.B.A.	Technology Services Project Manager
Jennifer Lennon, M.B.A.	Executive Director for Materials Management
Jessica A. Manning, M.B.A.	Assistant Director of Special Events
M. Margaret Mata, B.B.A.	Director of Purchasing and Operations
Kurtis Neal, S.P.H.R.	Director, Human Resources
Greg G. Pecina, M.A.	Executive Director for Business Services
Marshall Peter, B.B.A.	Technology Services Project Manager
David C. Rosipal, B.S.	Associate Director of Special Events Facilities/Services
John H. Russell, II.	Director of Facilities Planning and Construction
Jeffrey J. Sefcik, M.B.A.	Director of Process Integration and Senior Technical Architect
Audrey Wilson, B.S.	Director of One Card Program
Candy M. Woodul	Accounts Payable Manager
Vacant	Director of Environmental Health, Safety and Risk Management
Vacant	Investments and Grants Account

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Martha C. Hicks	Accountant - Housing and Residential Programs
Stuart M. Lickteig, M.A.	Associate Director of Housing and Residential Programs
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Jessica Stephens, M.S.	Assignments Coordinator
Cindy Weeaks, B.A.	Director of Registrar Services

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## **The Graduate Council**

The Graduate Council, working closely with the Academic Administration, is responsible for providing leadership to the University in the development and improvement of all phases of the graduate program. The primary responsibilities of the Council are (1) to serve in an advisory capacity to the Dean of the College of Graduate Studies; (2) to make recommendations to the President through administrative channels on academic policies and programs affecting the graduate program; and (3) to act as liaison between the Administration and the Graduate Faculty.

### **Members**

**Bonnie B. Amos, Ph.D.**, Professor of Biology

**John N. Barbour, Ph.D.**, Professor of Political Science

**Carol B. Diminnie, Ph.D.**, Professor of Management

**Robert S. Ehlers, Jr., Ph.D.**, Professor of Security Studies, Chair of the Department of Security Studies and Criminal Justice, and Director of the Center for Security Studies

**Shirley M. Eoff, Ph.D.**, Professor of History and Director of the Honors Program

**Richard A. Evans, Ph.D.**, Associate Professor of Teacher Education

**James N. Forbes, Ph.D.**, Professor of Psychology

**Mary Ellen Hartje, Ph.D.**, Professor of English

**Won-Jae Lee, Ph.D.**, Associate Professor of Criminal Justice

**Kimberly K. Livengood, Ph.D.**, Assistant Professor of Curriculum and Instruction

**Mary E. McGlamery, Ph.D.**, Assistant Professor of Curriculum and Instruction

**Kraig L. Schell, Ph.D.**, Associate Professor of Psychology

**Cody B. Scott, Ph.D.**, Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center

**Warren K. Simpson, Ed.D.**, Professor of Kinesiology

**Norman A. Sunderman, D.M.A.**, Professor of Accounting

**Shawn T. Wahl, Ph.D.**, Professor of Communication and Chair of the Department of Communication, Mass Media, and Theatre

**Molly J. Walker, Ph.D.**, Associate Professor of Nursing

**Shelly D. Weise, Ed.D.**, Associate Professor of Physical Therapy

**Ex Officio Member: Brian J. May, Ph.D.**, Provost and Vice President for Academic Affairs, Dean of the College of Graduate Studies and Director of Off-Campus Sites and External Relations

Angelo State University is a member of the Council of Graduate Schools in the United States and the Conference of Southern Graduate Schools and the Association of the Texas Graduate Schools.

## Faculty

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### Center for Innovation in Teaching and Research

The mission of the ASU Center for Innovation in Teaching and Research is to provide a diverse faculty with programs that foster teaching, research, mentoring, and service. For more information, please visit the Center's website at [www.angelo.edu/dept/citr/](http://www.angelo.edu/dept/citr/)

### The Graduate Faculty

2011-2012

(Date) indicates date of hire

**Nancy G. Allen (1984)**

**Specialization: Composition**

Ph.D., M.A., Texas Tech University  
B.S., University of Texas at El Paso

**Professor of English and  
Vice Provost for Academic Affairs**

**Loren K. Ammerman (2002)**

**Specialization: Molecular Systematics**

Ph.D., University of Texas at Austin  
B.S., Texas A&M University

**Associate Professor of Biology**

**Bonnie B. Amos (1987)**

**Specialization: Botany**

Ph.D., University of Oklahoma  
M.S., B.S., Angelo State University

**Professor of Biology**

**Kathryn E. Artnak (1995)**

**Specialization: Clinical Ethics; Cardiovascular Nursing**

Ph.D., University of Texas Health Science Center at San Antonio  
M.S.N., Catholic University of America  
B.S.N., Ball State University

**Professor of Nursing**

**Erin L. Ashworth-King (2009)**

Ph.D., B.A., University of North Carolina at Chapel Hill  
M.A., University of Maryland at College Park

**Assistant Professor of English**

**Tom F. Badgett (1988)**

**Specialization: Logistics**

D.B.A., Indiana University  
M.B.A., B.B.A., Texas Christian University

**Professor of Marketing and Chair of the  
Department of Management and Marketing**

**Susana Badiola (2004)**

Ph.D., B.A., Universidad Complutense de Madrid  
B.A., Saint Louis University

**Associate Professor of Philosophy**

**Gary A. Baker (2011)**

Ph.D., Texas A&M University  
M.S., University of Illinois Urbana  
B.S., University of Tennessee

**Assistant Professor of Accounting**

**Deborah A. Banker (2010)**

Ed.D., B.S., University of Houston  
M.Ed., University of Texas at Brownsville

**Assistant Professor of Teacher Education**

## Faculty

<b>Thomas A. Bankston (1974)</b> <b>Specialization: Finance</b> Ph.D., University of Florida M.B.A., B.B.A., University of Texas at Austin	<b>Professor of Finance and Chair of the Department of Accounting, Economics and Finance</b>
<b>John N. Barbour (1990)</b> <b>Specialization: Public Administration</b> Ph.D., University of California at Santa Barbara M.A., B.S., San Jose State University	<b>Professor of Political Science</b>
<b>Adria Battaglia (2011)</b> Ph.D., University of Texas at Austin B.A., M.A., Texas A&M University	<b>Assistant Professor of Communication</b>
<b>Bruce E. Bechtol, Jr. (2010)</b> <b>Specialization: International Security, Asian Studies</b> Ph.D., Union Institute & University M.A., Marine Corps University M.A., Catholic University of America B.S., University of the State of New York	<b>Associate Professor of Political Science</b>
<b>David L. Bixler (1998)</b> <b>Specialization: Atomic, Molecular and Optical Physics</b> Ph.D., M.A., Rice University B.S., Tarleton State University	<b>Professor of Physics</b>
<b>Anthony P. Blose (2010)</b> <b>Specialization: Experimental Solid State Physics</b> Ph.D., M.S., University of North Carolina at Chapel Hill B.S., Manhattan College	<b>Professor of Physics</b>
<b>Jeffrey G. Boone (1999)</b> <b>Specialization: Mass Communications, Communication Research Methods</b> Ph.D., University of Tennessee M.A., Texas Tech University B. S., Murray State University	<b>Associate Professor of Mass Media</b>
<b>Heather J. Braden (2010)</b> <b>Specialization: Geriatrics, Neuro, Motor Control</b> Ph.D., Texas A&M University M.S., Texas Tech Health Science Center B.S., Angelo State University	<b>Assistant Professor Physical Therapy</b>
<b>Kirk W. Braden (2008)</b> <b>Specialization: Food Science</b> Ph.D., Auburn University M.S., B.S., Texas Tech University	<b>Assistant Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center</b>
<b>Loree A. Branham (2007)</b> <b>Specialization: Food Safety</b> Ph.D., Texas Tech University M.S., B.S., Angelo State University	<b>Assistant Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center</b>
<b>Jacqueline G. Brown (2010)</b> Ph.D., M.S., Texas Tech University B.S., Angelo State University	<b>Assistant Professor of Nursing</b>

# Faculty

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<b>Ann T. Bullion-Mears (2002)</b> <b>Specialization: Reading</b> Ph.D., Texas Woman's University M.Ed., Angelo State University A.M., Stanford University B.A., University of Texas at Austin	<b>Associate Professor of Teacher Education</b>
<b>Charlene D. Bustos (2011)</b> Ph.D., Texas Tech University M.A., Angelo State University B.A., Our Lady of Lake University	<b>Assistant Professor of Teacher Education</b>
<b>Michael W. Butler (2001)</b> <b>Specialization: Economic Theory</b> Ph.D., University of Arkansas M.S., B.S., Fort Hays State University	<b>Professor of Economics</b>
<b>Allyn Byars (2005)</b> <b>Specialization: Exercise Physiology Research</b> Ph.D., University of Mississippi M.S.Ed., Baylor University B.A., Henderson State University	<b>Associate Professor of Kinesiology</b>
<b>Doyle D. Carter (2006)</b> <b>Specialization: Health and Physical Education</b> Ed.D., Texas A&M University - Commerce M.Ed., Sul Ross State University B.B.A., Angelo State University	<b>Professor of Kinesiology and Director of Quality Enhancement Plan</b>
<b>Anthony N. Celso (2011)</b> Ph.D., M.A., B.A., The Ohio State University	<b>Associate Professor of Security Studies</b>
<b>Sudhir K. Chawla (1989)</b> <b>Specialization: Marketing Management</b> Ph.D., M.B.A., University of Texas at Arlington Ph.D., National University of Ireland M.S., B.S., University of Bombay	<b>Professor of Marketing and Frank Junell Professorship in Business</b>
<b>Christopher C. Collins (2010)</b> Ph.D., Southern Illinois University M.A., Miami University B.A., West Texas A&M University	<b>Assistant Professor of Communication</b>
<b>Kristi L. Cordell-McNulty (2009)</b> Ph.D., University of Florida M.S., B.S., Shippensburg University	<b>Assistant Professor of Psychology</b>
<b>David J. Crowther (2008)</b> Ph.D., University of Texas at Galveston Health Science Center at Houston M.S.N., B.S.N., University of Texas	<b>Associate Professor of Nursing</b>
<b>Jeffrey D. Dailey (2011)</b> Ph.D., Sam Houston State University M.S., Eastern Kentucky University B.S., Florida Atlantic University	<b>Assistant Professor of Border Security</b>

## Faculty

- Terence A. Dalrymple (1979)**  
**Specialization: Creative Writing**  
 Ph.D., Oklahoma State University  
 M.A., B.A., Southwest Texas State University  
 Professor of English and  
 John S. Cargile University Professorship
- William B. Davidson (1993)**  
**Specialization: Social and Personality Psychology**  
 Ph.D., University of Texas at Austin  
 B.A., Trinity University  
 Professor of Psychology and  
 Chair of the Department of Psychology,  
 Sociology and Social Work
- Michael D. DeCelles (2004)**  
**Specialization: Financial Accounting**  
 Ph.D., University of Oklahoma  
 B.S., University of Missouri - Kansas City  
 Associate Professor of Accounting
- Arnoldo DeLeon (1973)**  
**Specialization: Latin-American History**  
 Ph.D., M.A., Texas Christian University  
 B.A., Angelo State University  
 Professor of History and  
 C.J. "Red" Davidson University  
 Professorship
- David P. Dewar (2007)**  
**Specialization: Colonial American History**  
 Ph.D., University of Kansas  
 M.A., Northeastern Illinois University  
 B.S., Northern Illinois University  
 Associate Professor of History
- James W. Dickison (2011)**  
 Ph.D., Texas A&M University  
 M.S., B.S., Texas Tech University  
 Assistant Professor of Agriculture and  
 Director of Agriculture Science and Leadership
- Carol B. Diminnie (1996)**  
**Specialization: Management Science**  
 Ph.D., B.S., St. Louis University  
 M.S., Michigan State University  
 M.B.A., St. Bonaventure University  
 Professor of Management
- Michael T. Dixon (2003)**  
**Specialization: Vertebrate Ecology and Systematics**  
 Ph.D., University of Texas at Austin  
 B.A., Miami University of Ohio  
 Assistant Professor of Biology
- Robert C. Dowler (1988)**  
**Specialization: Vertebrate Systematics and Mammalogy**  
 Ph.D., Texas A&M University  
 M.A., Texas Tech University  
 B.S., The Ohio State University  
 Professor of Biology and  
 Mr. and Mrs. Victor P. Tippet  
 University Professorship
- Robert S. Ehlers, Jr. (2010)**  
 Ph.D., B.A., The Ohio State University  
 M.A., University of Florida  
 Professor of Security Studies, Chair of the  
 Department of Security Studies and Criminal Justice,  
 and Director of the Center for Security Studies
- Marilyn J. Eisenwine (2000)**  
**Specialization: Early Childhood Education, Reading**  
 Ph.D., University of Texas at Austin  
 M.Ed., B.S.Ed., Texas Tech University  
 Professor of Teacher Education

## Faculty

<b>Detelin S. Elenkov (2010)</b> Ph.D., Massachusetts Institute of Technology B.S., Higher Institute of Economics	<b>Professor of Management and Norris Family Endowed Chair in International Business</b>
<b>J. Christopher Ellery (1990)</b> <b>Specialization: Drama, American Literature, Creative Writing</b> Ph.D., Texas A&M University M.A., University of Arkansas B.F.A., Arkansas Tech University	<b>Professor of English</b>
<b>Gilbert R. Engdahl (1976)</b> <b>Specialization: Animal Nutrition</b> Ph.D., M.S., B.S., Texas A&M University	<b>Professor of Animal Science, Chair of the Department of Agriculture, and Director of the Management, Instruction, and Research Center</b>
<b>Shirley M. Eoff (1981)</b> <b>Specialization: British History</b> Ph.D., Texas Tech University M.A., Hardin Simmons University B.A., Howard Payne University	<b>Professor of History and Director of the Honors Program</b>
<b>Richard A. Evans (2008)</b> Ph.D., Texas A&M University M.Ed., B.S., Angelo State University	<b>Associate Professor of Teacher Education</b>
<b>James N. Forbes (1996)</b> <b>Specialization: Developmental Psychology</b> Ph.D., M.S., University of Florida B.A., B.S., University of Washington	<b>Professor of Psychology</b>
<b>Roberto M. Garza (1988)</b> <b>Specialization: International Relations, Comparative Politics</b> Ph.D., M.A., Purdue University J.D., The George Washington University B.A., University of Denver	<b>Associate Professor of Political Science</b>
<b>Julie D. Gates (2002)</b> <b>Specialization: Composition and Rhetoric</b> Ph.D., University of South Carolina M.A., University of Charleston B.A., University of West Florida	<b>Associate Professor of English</b>
<b>Corbett F. Gaulden (2007)</b> <b>Specialization: Marketing</b> Ph.D., Louisiana State University M.B.A., Northeast Louisiana University B.S., Southeastern Louisiana University	<b>Professor of Marketing and Dean, College of Business</b>
<b>Donna B. Gee (2008)</b> Ed.D., M.Ed., Texas Tech University B.S. Ed., Lubbock Christian University	<b>Associate Professor of Teacher Education</b>
<b>Kaushik Ghosh (2010)</b> Ph.D., University of Mississippi M.S., Texas A&M International University B.S., University of Pune	<b>Assistant Professor of Management Information Systems</b>

## Faculty

<b>Beverly J. Greenwald (2008)</b> Ph.D., North Dakota State University M.S.N., Georgia College B.A., Jamestown College	<b>Associate Professor of Nursing</b>
<b>Amaris R. Guardiola (2008)</b> Ph.D., Duke University M.S.N., Georgia College B.S., University of Georgia	<b>Assistant Professor of Biology</b>
<b>Teresa E. Hack (2008)</b> Ph.D., M.S., Purdue University B.A., Indiana University - Kokomo	<b>Assistant Professor of Psychology</b>
<b>Judith A. Hakes (1985)</b> <b>Specialization: Elementary Education</b> Ph.D., University of Colorado M.A., B.A., University of Northern Colorado	<b>Professor of Teacher Education</b>
<b>Mark L. Hama (2001)</b> <b>Specialization: Late 19th and 20th Century British Literature</b> Ph.D., M.A., Tulane University B.A., University of Texas at Austin	<b>Professor of English</b>
<b>Michelle S. Hanby (2011)</b> Ph.D., M.A., University of Maine B.S., Virginia Polytechnic Institute and State University	<b>Assistant Professor of Psychology</b>
<b>Mary E. Hartje (1992)</b> <b>Specialization: Modern British Literature</b> Ph.D., B.A., Baylor University M.A.T., Angelo State University	<b>Professor of English</b>
<b>Scott M. Hasson (2007)</b> <b>Specialization: Exercise Physiology and Research</b> Ed.D., University of Northern Colorado M.A., California State University, Fresno B.S., University of Texas Medical Branch at Galveston B.S., California State University, Fresno	<b>Professor of Physical Therapy</b>
<b>Kenneth J. Heineman (2009)</b> Ph.D., M.A., University of Pittsburgh B.A., Michigan State University	<b>Professor of History and Chair of the Department of History</b>
<b>E. James Hindman (1995)</b> <b>Specialization: 20th Century U.S. History, U.S. Diplomatic History</b> Ph.D., M.A., B.A., Texas Tech University	<b>Professor of History and President Emeritus</b>
<b>Sierra S. Howry (2008)</b> <b>Specialization: Agricultural Economics</b> Ph.D., M.S., Oklahoma State University B.S., East Central University	<b>Assistant Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center</b>
<b>Biqing Huang (2009)</b> Ph.D., The University of Texas at San Antonio M.A., Kansas State University B.S., Zhongshan University	<b>Assistant Professor of Finance</b>

## Faculty

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- You-jou Hung (2009)** Assistant Professor of Physical Therapy  
**Specialization: Motor Control, Therapeutic Exercise, Research**  
Ph.D., University of Iowa  
M.S., University of North Carolina at Chapel Hill  
B.S., Chang Shan Medical University
- Jamal G. Husein (2002)** Associate Professor of Economics  
**Specialization: Applied Economics, Economic Development and Growth**  
Ph.D., Utah State University  
M.B.A., University of New Haven  
B.S., Yarmouk University
- Patricia L. Hutchinson (1996)** Professor of Nursing  
**Specialization: Exercise Physiology, Statistics**  
Ed.D., University of Georgia  
M.Ed., B.S., Western Carolina University
- Cathy Johnson (1999)** Associate Professor of Mass Media and Ram Page Advisor  
**Specialization: Communication Technology**  
Ph.D., University of North Texas  
M.A., Assemblies of God Theological Seminary  
B.A., Southwestern Assemblies of God University
- Avis F. Johnson-Smith (2010)** Associate Clinical Professor in Nursing  
**Specialization: Family Nurse Practitioner and Pediatric Nurse Practitioner Studies**  
D.N.P., University of Minnesota  
M.S.N., Troy University  
B.S.N., Valdosta State University
- Crosby W. Jones, Jr. (1978)** Professor of Biology  
**Specialization: Microbiology**  
Ph.D., M.S., B.S., Oklahoma State University
- Laurence F. Jones (1990)** Professor of Political Science and Chair of the Department of Political Science and Philosophy  
**Specialization: Public Administration, Urban Politics**  
Ph.D., University of Texas at Arlington  
M.P.A., University of Oklahoma  
B.S., Regis College
- Sahit M. Kara (2000)** Professor of Economics and Johnny Fender Fellowship in Community Economic Development  
**Specialization: Financial, Managerial, and Labor Economics**  
Ph.D., M.A., Texas Tech University  
M.S., Georgia State University  
B.A., Karadeniz Tech University
- Susan E. Keith (1997)** Professor of Kinesiology  
**Specialization: Health Education, Kinesiology**  
Ph.D., Texas Woman's University  
M.S.Ed., Baylor University  
B.S., University of Central Oklahoma

## Faculty

<b>Dan M. Khanna (2002)</b> <b>Specialization: Strategy, MIS, e-Commerce</b> D.B.A., Golden Gate University M.B.A., Santa Clara University B.S., Cal Poly, San Luis Obispo	<b>Associate Professor of Management</b>
<b>John E. Klingemann (2007)</b> Ph.D., University of Arizona M.A., B.A., Sul Ross State University	<b>Assistant Professor of History</b>
<b>Man-Soo Ko (2008)</b> <b>Specialization: Biomechanics, Research and Motor Control</b> Ph.D., University of Florida B.S., Daegu University	<b>Assistant Professor of Physical Therapy</b>
<b>Monica R. Koenigsberg (2008)</b> Ph.D., Sam Houston State University M.C.J., University of Colorado B.S., Wichita State University	<b>Assistant Professor of Criminal Justice</b>
<b>Linda A. Kornasky (1996)</b> <b>Specialization: American Literature</b> Ph.D., Tulane University M.A., B.S., University of Rhode Island	<b>Professor of English</b>
<b>Crystal M. Kreidler (2011)</b> Ph.D., M.S., Texas Christian University B.A., M.S., Angelo State University	<b>Assistant Professor of Psychology</b>
<b>Won-Jae Lee (2005)</b> Ph.D., Sam Houston State University B.A., Dong-Guk University	<b>Associate Professor of Criminal Justice</b>
<b>Kimberly K. Livengood (2007)</b> <b>Specialization: Multicultural Education</b> Ph.D., Texas A&M, College Station M.S., Texas A&M, Corpus Christi B.S., Texas Tech University	<b>Assistant Professor of Curriculum &amp; Instruction</b>
<b>Linda N. Lucksinger (2007)</b> <b>Specialization: Educational Psychology</b> Ph.D., Texas A&M University M.Ed., Southwest Texas State University B.S., University of Houston	<b>Professor of Teacher Education and Chair of the Department of Teacher Education</b>
<b>Carolyn R. Mason (2004)</b> <b>Specialization: Neuroscience, Motor Control</b> Ph.D., B.S., Northwestern University M.M.Sc., Emory University	<b>Associate Professor of Physical Therapy</b>
<b>Sandra J. Maxedon (2010)</b> Ph.D., M.Ed., B.A., University of Arizona	<b>Assistant Professor of Teacher Education</b>
<b>Terry C. Maxwell (1976)</b> <b>Specialization: Ornithology, Avian Ecology</b> Ph.D., B.S., Texas A&M University M.S., Angelo State University	<b>Professor of Biology</b>

## Faculty

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- Brian J. May (1994)**  
**Specialization: Animal Nutrition**  
 Ph.D., Texas A&M University  
 M.S., B.S., Angelo State University  
**Professor of Animal Science,  
 Research Scientist at the Management,  
 Instruction, and Research Center,  
 Provost and Vice President for Academic Affairs,  
 Dean, College of Graduate Studies and  
 Director of Off-Campus Sites and External Relations**
- Leslie M. Mayrand (1998)**  
**Specialization: Maternal-Child Health**  
 Ph.D., University of Texas at Austin  
 M.S.N., University of Texas Health Science Center at San Antonio  
 B.S.N., B.A., Incarnate Word College  
**Professor of Nursing and Dean, College  
 of Health and Human Services**
- Mary E. McGlamery (2006)**  
**Specialization: Educational Psychology**  
 Ph.D., M.S., B.S., Texas A&M University - Commerce  
**Assistant Professor of Curriculum and Instruction**
- William B. McKinney (1991)**  
**Specialization: Real Estate**  
 Ph.D., M.Ag., Texas A&M University  
 B.A., Angelo State University  
**Associate Professor of Real Estate**
- John J. Miazga, Jr. (1980)**  
**Specialization: Guidance and Counseling**  
 Ed.D., East Texas State University  
 M.S., Emporia State University  
 B.A., Colorado College  
**Professor of Education,  
 Dean, College of Education and  
 Teacher Certification Officer**
- Robert R. Mowrer (1988)**  
**Specialization: Experimental and Physiological Psychology**  
 Ph.D., M.A., University of New Mexico  
 B.A., Susquehanna University  
**Professor of Psychology**
- Elisabeth-Christine Muelsch (1992)**  
**Specialization: Nineteenth-Century French Literature**  
 Ph.D., M.A., Albert Ludwig University, Freiburg  
**Professor of French**
- Laurence E. Musgrove (2009)**  
 Ph.D., M.A., University of Oregon  
 B.A., Southwestern University  
**Professor of English and Chair of the  
 Department of English and Modern Languages**
- Robert Nalbandov (2010)**  
 Ph.D., Central European University  
 M.A., The Fletcher School of Law and Diplomacy, Tufts University  
 M.P.A., Georgian-American Institute of Public Administration  
 B.A., Tbilisi State University of Language and Culture  
**Assistant Professor of Security Studies**
- Nicholas J. Negovetich (2011)**  
 Ph.D., M.S., Wake Forest University  
 B.A., Wabash College  
**Assistant Professor of Biology**
- John J. Osterhout (2008)**  
 Ph.D., University of Texas at Austin  
 B.A., Rice University  
**Professor of Biochemistry and  
 Chair of the Department of Chemistry  
 and Biochemistry**

## Faculty

<b>George Pacheco, Jr. (2008)</b> <b>Specialization: Speech Communication</b> Ph.D., University of Southern Mississippi M.A., B.A., West Texas A&M University	<b>Assistant Professor of Communication</b>
<b>Dennis E. Pate (1980)</b> <b>Specialization: Medieval and Early Modern European History</b> Ph.D., M.A., University of California - Los Angeles B.A., San Jose State University	<b>Professor of History</b>
<b>James R. Phelps (2010)</b> Ph.D., M.A., Sam Houston State University B.A., Colorado State University - Pueblo	<b>Assistant Professor of Security Studies</b>
<b>Chuck A. Pier (2009)</b> Ph.D., University of Texas, Arlington M.S., University of Rhode Island M.B.A., Florida Institute of Technology B.S., University of the State of New York	<b>Assistant Professor of Accounting</b>
<b>Jason E. Pierce (2009)</b> <b>Specialization: American West, Native West, American Environmental History, Race and Identity and Public History.</b> Ph.D., University of Arkansas M.A., Portland State University B.A., Fort Lewis College	<b>Assistant Professor of History</b>
<b>Kathleen M. Price (1991)</b> <b>Specialization: Exercise Physiology, Biomechanics</b> Ph.D., Texas Woman's University M.S., B.S., Baylor University	<b>Professor of Kinesiology and Head Women's Golf Coach</b>
<b>Christine L. Purkiss (2009)</b> Ed.D., M.Ed., Texas Tech University B.S. McMurry College	<b>Assistant Professor of Teacher Education</b>
<b>Joseph C. Rallo (2007)</b> <b>Specialization: International Business</b> Ph.D., M.A., Maxwell School of Citizenship and Public Affairs, Syracuse University J.D., School of Law, Western New England College B.A., Lafayette College	<b>Professor of Management and President of the University</b>
<b>Kristin F. Ramirez</b> M.S.N., B.S.N., A.A.S.N., Angelo State University	<b>Assistant Clinical Professor of Nursing</b>
<b>William E. Renforth (2005)</b> <b>Specialization: International Marketing</b> D.B.A., M.B.A., M.S., Indiana University B.A., Rollins College	<b>Professor of Marketing</b>
<b>Whitney J. Ruiz (2008)</b> J.D., University of Texas at Austin M.A., B.A., Angelo State University	<b>Assistant Professor of Business Law</b>

## Faculty

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<b>Robin M. Runia (2009)</b> Ph.D., University of New Mexico M.A., State University of New York at Buffalo B.A., University of Minnesota	<b>Assistant Professor of English</b>
<b>Connie A. Russell (1999)</b> <b>Specialization: Behavioral Ecology, Science Education</b> Ph.D., Oklahoma State University M.S.E., B.S.E., Henderson State University	<b>Professor of Biology</b>
<b>Micheal W. Salisbury (2001)</b> <b>Specialization: Animal Reproductive Physiology</b> Ph.D., New Mexico State University M.S., B.S., Angelo State University	<b>Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center</b>
<b>Toni D. Sauncy (2000)</b> <b>Specialization: Experimental Condensed Matter Physics, Optical Studies</b> Ph.D., M.S., B.S., Texas Tech University	<b>Professor of Physics</b>
<b>Kraig L. Schell (2000)</b> <b>Specialization: Industrial-Organizational Psychology</b> Ph.D., University of Cincinnati M.A., University of Central Oklahoma B.S., Oklahoma Christian University	<b>Associate Professor of Psychology</b>
<b>Jeffrey B. Schonberg (1997)</b> <b>Specialization: Rhetorical Theory and Linguistics</b> Ph.D., Texas A&M University M.A., New Mexico State University B.A., University of New Mexico	<b>Associate Professor of English</b>
<b>Cody B. Scott (1995)</b> <b>Specialization: Grazing Management, Animal Behavior</b> Ph.D., Utah State University M.S., B.S., Angelo State University	<b>Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center</b>
<b>David E. Scott (1998)</b> <b>Specialization: Music Education</b> Ph.D., M.M., The Ohio State University B.M.E., B.M., Baylor University	<b>Professor of Music and Chair of the Department of Art and Music</b>
<b>Gabriela I. Serrano (2007)</b> Ph.D., M.A., The University of North Texas B.A., University of Texas at El Paso	<b>Assistant Professor of English</b>
<b>Karen L. Shumway (2002)</b> <b>Specialization: Business Ethics and Strategic Policy</b> Ph.D., University of Illinois at Chicago M.B.A., University of Chicago B.A., Northwestern University	<b>Associate Professor of Management Mr. and Mrs. Virgil J. Powell TSCRA Professorship in American Economic Principles</b>
<b>Daniel J. Simmons (2010)</b> Ph.D., Southern Illinois University M.A., Texas Tech University B.A., West Texas A&M University	<b>Assistant Professor of Communication</b>

## Faculty

- 
- Warren K. Simpson (2008)** Professor of Kinesiology  
Ed.D., Texas A&M University  
M.Ed., Kutztown University  
B.A., Fairfield University
- Sangeeta Singg (1981)** Professor of Psychology  
**Specialization: Counseling Psychology**  
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