

# **The College of Graduate Studies**



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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 and Student 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 and Student 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

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# 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, Angelo State aims to touch tomorrow in the lives of students; in the growth of their communities, whether local or global; and in the pursuit of the common good of society.

With a full range of academic programs as well as a vibrant Honors Program and an active International Studies Office, ASU provides a full range of educational opportunities that prepare students for successful careers or for entry into graduate and professional schools, such as medicine and law. The ASU Physics Department has been identified by *Physics Today* as one of the top 21 undergraduate programs in the nation.

Academically, the university is organized with six colleges - Business; Education; Liberal and Fine Arts; Nursing and Allied Health; Sciences; and Graduate Studies - as well as 21 academic departments. Those departments offer 40 undergraduate programs, 23 graduate programs and one associate degree as well as nearly 100 majors. Additionally, ASU provides options for a variety of pre-professional and two-plus-two programs, as well as four-plus-one programs which allow a student to get a bachelor's degree in four years and then a master's degree in a related field from Texas Tech University in one year. The university also offers courses in the Hill Country through Texas Tech University centers in Fredericksburg, Marble Falls and Junction.

In addition to strong academic offerings, ASU provides an ultramodern, 268-acre campus that provides an attractive and safe setting for a college education. ASU's campus facilities are valued at over \$345 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 center 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. Of more than 3,000 universities nationally, ASU has ranked as high as 85th in endowment per student and 407th in the market value of endowment assets. Through the Carr Academic Scholarship Program, ASU provides scholarships for one in every six ASU students. Annual Carr awards to ASU students total more than \$3.3 million.

Beyond the classroom, ASU students have a variety of opportunities to broaden their horizons and strengthen their resumes. With more than 80 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.

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The numerous academic and extracurricular opportunities are complemented by a highly competitive intercollegiate athletics program with men's teams in five sports and women's teams in seven sports. Ram and Rambelle teams compete in NCAA Division II and the Lone Star Conference. Over the years the institution has claimed three national titles in men's basketball, football and, most recently in 2004, the NCAA Division II National Championship in softball.

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.

## 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.

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## 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 selected as the site for Texas Tech, the citizens of San Angelo decided they would 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 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, effective September 1, 1965. In May 1967, the first baccalaureate degrees were awarded. The name of the institution was changed to Angelo State University in May 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.

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

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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 Fiesta 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 Theater offers a variety of programs throughout the year. 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 Children's Art Museum is located on the first floor of the newly renovated Cactus Hotel, 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 SITEL, 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.

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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 Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Angelo State University.

The Athletic Training Program offered through the Department of Kinesiology, 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 Association of Collegiate Business Schools and Programs (ACBSP) to offer the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA) and the Master of Professional Accountancy (MPAc.); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

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).

Texas Board of Nursing  
333 Guadalupe #3-460  
Austin, TX 78701-3944  
Phone: (512) 305-7400  
[www.bon.state.tx.us](http://www.bon.state.tx.us)

National League for Nursing  
Accrediting Commission  
3343 Peachtree NE, Suite 500  
Atlanta, GA 30326  
Phone: (404) 975-5000, Phone: 1-866-747-9965  
Website: [www.nlnac.org](http://www.nlnac.org)

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) 706-3245

### **STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY**

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

### **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.

# ADMISSIONS



# COLLEGE OF GRADUATE STUDIES GENERAL 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 Office of the Dean of 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 (see page 45) and the special requirements listed by departments under Departmental Information.

### ADMISSION TO THE COLLEGE OF GRADUATE STUDIES General Requirements

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 standardized test scores (i.e., GRE or GMAT). 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 as 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 applicants who have submitted completed applications will normally be considered for admission. A completed application consists of the following:

- a. Graduate Electronic Application: [www.angelo.edu/dept/grad\\_school/applynow.html](http://www.angelo.edu/dept/grad_school/applynow.html);
- b. Residency Questionnaire;
- c. \$40 application fee (non-refundable); \$50 (U.S. Dollars) for International Applicants;
- d. Official Graduate Record Exam (GRE) score for all programs except MBA or MPAC or Official Graduate Management Admission Test (GMAT) score if the applicant is applying to a Master of Business Administration (MBA) or Master of Professional Accountancy (MPAC) program. To be considered official, GRE/GMAT scores must be mailed directly to the ASU College of Graduate Studies from the Educational Testing Service;
- e. Official transcripts from all colleges or universities attended (except Angelo State University). To be considered official, the transcript must be mailed from the issuing university's registrar's office directly to the ASU College of Graduate Studies. Transcripts that are hand carried or mailed by the applicant will not be accepted as official, but may be used for evaluation purposes.

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- f. (Degree-seeking applicants only) An essay of no more than 500 words (typed in 12-point type with one-inch margins) which 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.

Transcripts must include certification of a completed baccalaureate or higher degree from a college or university with substantially similar degree requirements as 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 IELTS taken within the last two years, and the international student application forms. The minimum TOEFL score is 550, with at least 55 on each of the three parts (paper and pencil test); 213, with at least 17 on each of the three parts (computer-based test), or 80, with at least 20 on each of the four parts (iBT) for all programs except Physical Therapy, which 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 (International Language Testing System).

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

The completed application is sent to the department of proposed study for an admission recommendation. The department looks at the following factors:

Completion of the undergraduate prerequisites for the intended program, as indicated below.

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.

The applicant's GRE/GMAT test score.

The essay.

Other criteria, as defined by the program.

Applicants who submit a satisfactory essay, have at least a 2.5 overall undergraduate GPA or 3.0 in the last 60 semester hours, and who meet the program's formula (and in some programs, additional criteria) as indicated below will normally be awarded **Regular Admission**, resources permitting. Applicants who fall slightly below the formula or GPA standards may be considered for **Provisional Admission** based on factors from the essay. If the department of proposed study deems the applicant shows promise of succeeding in the program, based on these additional factors, Provisional Admission, with conditions, may be granted. No applicant who has a cumulative grade point average below 2.00 (computed from all undergraduate grades, including multiple grades for courses taken more than once) will be granted admission, whether Regular or Provisional.

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.

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Applicants who have not submitted GRE/GMAT scores 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**, 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 will not be considered for admission until the appropriate test scores are received by the Graduate Office.

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.

**Offer of Admission:** Only written notice from the Dean of the College of Graduate Studies constitutes approval of admission.

Graduate students who do not complete at least one graduate class within the last 12 months must re-apply for admission.

## **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.

## **PROGRAM PREREQUISITE REQUIREMENTS AND FORMULAS**

### **Accounting (M.B.A. or MPAc)**

#### Prerequisites

Principles of Accounting I and II	Accounting Information Systems
Intermediate Accounting I and II	Auditing
Cost Accounting	Business Statistics
Individual Income Tax	Microeconomics
Business Math II or Calculus I	Financial Management
Business Law	Advanced Accounting I

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

**Formula:**  $[\text{GPA times } 200] + \text{GMAT score} \geq 1050$ .

### **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 Angelo State University web site for current formula.

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\* Except Physical Therapy, Biology, and Psychology. GRE scores must be submitted with the application to the College of Graduate Studies.

# Admission

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## **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 Angelo State University web site for current formula.

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

### Prerequisites

Principles of Accounting I and II  
Business Statistics  
Macroeconomics and Microeconomics

Business Math II or Calculus I  
Principles of Management  
Principles of Marketing  
Financial Management

No formula: A resume is required.

## **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.

Formula: See Angelo State University web site for current formula.

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

Formula: See Angelo State University web site for current formula.

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

### Prerequisites

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

Formula: See Angelo State University web site for current formula.

## **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.

Formula: See Angelo State University web site for current formula.

## **History (M.A.)**

### Prerequisites

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

Formula: See Angelo State University web site for current formula.

## **Interdisciplinary Studies (M.A. or M.S.)**

### Prerequisites

Sufficient undergraduate course work in each of the three disciplines chosen for the degree so that prerequisite requirements for the graduate courses taken are met.

Formula: See Angelo State University web site for current formula.

## **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.

Formula: See Angelo State University web site for current formula.

## **Nursing (M.S.N.)**

### Prerequisites

A baccalaureate degree in nursing (except for RN to MSN 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) within the last 5 years.

Current unencumbered license to practice as a Registered Nurse in Texas or state where student will engage in clinical experiences.

Computer Literacy.

Demonstrated proficiency in health assessment.

Basic pathophysiology (with a grade of C or higher).

Two professional references.

RN to MSN students must have completed at least 90 semester credit hours with a minimum grade point average of 3.0 and be an RN.

Formula: See Angelo State University web site for current formula.

**Physical Therapy (D.P.T.)** Each cohort is limited to 20 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 Psychology

Developmental Psychology or Abnormal or  
Physiological Psychology

General Chemistry I and II (with labs)

General Physics I and II (with labs)

Statistics

Technical Writing

Math: Algebra & Trigonometry, or better  
(ie. precalculus, calculus, etc)

Formula: See Angelo State University web site for current formula.

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

### Prerequisites

Complete a minimum of 24 semester credit hours, including 12 advanced hours of undergraduate course work in psychology, to include research methods.

Formula: See Angelo State University web site for current formula.

## **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.

Formula: See Angelo State University web site for current formula.

# Admission

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## 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 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.

## 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 nine semester credit hours 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 head of the student's major department, and the Dean of the College of Graduate Studies. Curriculum and Instruction certification (24sch) and Master Reader Teacher (12 sch) are exempt from this policy.

## 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.

## 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 head 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 website <http://www.angelo.edu>. 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 **directly from the institution(s) involved**. Applicants must pay the (non-refundable) \$40 application fee before consideration can be given to their application.

Admission to the College of Graduate Studies remains valid only for the semester or summer session for which the applicant has applied unless he or she engages in active graduate work at Angelo State University. Extensions of the one-semester limit may be granted if requested in writing by the applicant. 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 stated in the Student Life Regulations and Policies contained in the Student Handbook

## **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:

1. Satisfactory scores on the Graduate Record Examination or Graduate Management Admission Test.
2. Application for Admission\* with mandatory \$50 application fee (international money order payable in \$US); Residency Questionnaire.\*
3. Official transcripts of previous academic records with English translation, if original transcript is not in English.
4. An evaluation of the transcript(s) by an official foreign transcript evaluator.
5. An essay of no more than 500 words (typed in 12-point font with one-inch margins) which 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.
6. A score of 550 (with a minimum of 55 on each of the three sections) on the paper-based Test of English as a Foreign Language (TOEFL), a score of 213 (with a minimum of 17 on each of the three sections) on the computer-based TOEFL, a score of 80 on the i BT TOEFL (with a minimum of 20 on each of the four sections) or a minimum score of 7 on the Academic Module of the IELTS. Applicants to the Doctor of Physical Therapy program must score a minimum of 600 on the paper-based TOEFL or a score of 250 on the computer-based TOEFL; or a score of 80 on the i BT TOEFL. \*\*

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\* These forms are available on-line at [www.angelo.edu/pstudent/international\\_students.htm](http://www.angelo.edu/pstudent/international_students.htm)

\*\* An international applicant may be required to take a locally administered examination of English skills and to enroll in an intensive course in English if, in the judgment of the faculty and the Dean of the College of Graduate Studies, he or she is deficient in skills for speaking, understanding, and/or writing in English.

## Admission

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7. Supplemental Information Form for foreign applicants;\*
8. Statement from parent, guardian, or other sponsor guaranteeing the applicant's financial support while in the United States;
9. Housing Application (including US \$100 deposit) and approval if applicant is accepted and wants to live on campus.

### **INSURANCE REQUIREMENT FOR INTERNATIONAL STUDENTS**

All international students are required to purchase the Group Hospitalization, Medical U.S. Evacuation, and Repatriation Insurance plan provided through the University for each semester enrolled. The cost of such insurance is available upon request from the Center for International Studies. International students who fail to purchase this insurance by the first class day of each semester enrolled will be withdrawn from the University. Further information regarding insurance coverage may be obtained from the University's International Student Services Counselor.

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.

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- \* These forms are available on-line at [www.angelo.edu/pstudent/international\\_students.htm](http://www.angelo.edu/pstudent/international_students.htm)

# TUITION AND FEES



# Tuition and Fees

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## REQUIRED TUITION AND FEES

All students must pay the required tuition and fees for each semester or summer term based on the number of semester credit hours for which they register. Current tuition and fees may be found on the ASU website, [www.angelo.edu](http://www.angelo.edu). It is the student's responsibility to be aware of the costs that will be in effect for each semester in which he/she enrolls.

## SPECIAL FEES (NON-REFUNDABLE)

College of Graduate Studies Application Fee	\$40.00
Late Registration Fee	\$50.00
Doctor of Physical Therapy Processing Fee	\$25.00
Doctor of Physical Therapy Anatomy course fee for PT 7710	\$100.00

## INSURANCE REQUIREMENTS FOR INTERNATIONAL STUDENTS

All international students are required to purchase each semester at the time of registration the Group Hospitalization, Medical Evacuation, and Repatriation Insurance plan provided through the University. International students who fail to purchase this insurance will not be permitted to register at Angelo State University. Further information regarding insurance coverage may be obtained from the Center for International Studies.

## POST OFFICE BOX RENTAL

Fall and Spring	\$15.00
Fall or Spring only	\$7.50
Summer	\$7.50

# Tuition and Fees

## Traffic and Parking Regulations 2009-2010

### Vehicle Registration

Permits are issued for a full academic year (August to August) or on a semester basis. Vehicle registration fees are as follows.

### Student Parking Fee Structure

#### Commuter Students "B" Zones

Automobiles and/or Motorcycles	
Fall Year (August-August)	\$90.00
Fall Semester Only (August-December)	\$50.00
Spring/Summer (January-August)	\$80.00
Spring Semester Only (January-May)	\$50.00
Summer Semester Only (May-August)	\$50.00

#### Residential Students "C" Zones

Restricted According to Residence Hall Assignment

Automobiles and/or Motorcycles	
Fall Year (August-August)	\$90.00
Fall Semester Only (August-December)	\$50.00
Spring/Summer (January-August)	\$80.00
Spring Semester Only (January-May)	\$50.00
Summer Semester Only (May-August)	\$50.00

# Tuition and Fees

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## Traffic and Parking Regulations 2009-2010

Student Parking "D" Zones  
Academic Upper Lot (P-39) only  
Carr EFA Lot (P-42b) only  
"B" Zones included

Automobiles or Motorcycles	
Flat Fee (per vehicle)	\$100.00

**Students second or replacement permits are priced the same as applicable permits. Second or replacement permits are NOT discounted.**

## 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 Undergraduate Office of Admission. Documentation may be requested by the institution in order to resolve issues raised by the information provided in response to the Core Residency Questions. Full regulations are available at the Texas Higher Education Coordinating Board website at [http://www.thecb.state.tx.us/Rules/tac3.cfm?Chapter\\_ID=6&subchapter=A](http://www.thecb.state.tx.us/Rules/tac3.cfm?Chapter_ID=6&subchapter=A) and also at the THECB publication *Rules and Regulations for Determining Residency Status* available at: [www.collegefortexans.com/Residency/](http://www.collegefortexans.com/Residency/).

## 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

Billing statements and payment due dates can be viewed electronically via <http://Ramport.angelo.edu> and click on the Student Services tab. Additional information is available under the Student Accounts Channel. Class schedules are not valid until the ASU Student Accounts Office has received payment of the current amount due including financial aid credit. If payment and/or credit in full is not applied by the due date, the class schedule will be cancelled.

If the installment option is chosen, payment (including financial aid) equal to the current amount due must be received by the due date. If payment in full is chosen, payment (including financial aid) equal to the current amount due must be received by the due date. Late payment penalties will be added for not paying the full current amount due by the due date.

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) 942-2246 or (800) 933-6299.

Students registering after the payment due dates, must make payment for the current amount due prior to the first day of class. Failure to pay by this time will cause a late fee to be assessed and the student may risk having the schedule cancelled.

Recent changes relating to the procedures used to drop student schedules for non-payment may mean that a student with a current balance of zero (after financial aid and/or the installment plan is applied) will remain registered for classes. If a student does not plan to attend ASU after registering for courses, it is imperative that the student formally withdraw from the University by contacting the Registrar's Office. Students who do not formally withdraw before classes begin may incur a debt to the University and a financial commitment to the financial aid programs applied to the student's account.

# Tuition and Fees

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## Payment Method Options

- By Mail:** Check, Money Order, Visa or MasterCard  
Mail to:  
ASU Student Accounts Office  
ASU Station #11046  
San Angelo, TX 76909
- In-Person:** Cash, Check, Money Order, Visa or MasterCard  
Visit:  
ASU Student Accounts Office  
Administration Building, Room 100  
ASU Campus  
8:00 a.m. - 5:00 p.m., Monday - Friday
- By Web Students:** <http://ramport.angelo.edu> Visa, Mastercard, Discover, American Express and e-check accepted.
- By Web Parents/Authorized Users:** <http://webpay.angelo.edu> Students must login to webpay and click on "your account" for more information on adding additional users. Visa, Mastercard, Discover, American Express and e-check accepted.

Any question concerning the payment process may be directed to the Student Accounts Office at (325) 942-2008 or (877) 942-2008.

## Installment Program

A student may pay for tuition and mandatory fees for the fall and spring semesters by one of two methods: (1) full payment, OR (2) four installments. Once a payment plan has been chosen, and a payment or credit has been made for that plan, it may not be changed. 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. An installment fee of thirty dollars (\$30.00) will be assessed. The installment option is not available for the summer terms.

The installment plan consists of four payments:

- 1st Payment:** 25% payment of tuition/fees and 25% payment of on-campus room/board (if applicable) before the beginning of the semester.
- 2nd Payment:** 25% payment of tuition/fees and 25% payment of on-campus room/board (if applicable) prior to the start of the sixth class week.
- 3rd Payment:** 25% payment of tuition/fees and 25% payment of on-campus room/board (if applicable) prior to the start of the eleventh class week.
- 4th Payment:** 25% payment of tuition/fees and 25% payment of on-campus room/board (if applicable) prior to the start of the eleventh class week.

It is the student's responsibility to pay on time. The first installment payment must be received in the ASU Student Accounts Office by 5:00 p.m. on the due date. The second, third, and fourth installments must also be received in the ASU Student Accounts Office by 5:00 p.m. on the due date OR be postmarked by the due date if paying by mail. Students making an installment payment after the due date will be assessed a late fee of fifteen dollars (\$15.00) for each late payment. The University will not be responsible for lost mail.

Students failing to make full payment will be prohibited from registering for future classes or receiving an official copy of their student record until payment is made in full. Students failing to make full payment prior to the end of the semester may be denied credit for the work done for that semester or term. A one hundred dollar (\$100) fee will be required, in addition to any past due installment payments and late payment fees, for all students who have not paid by the end of the semester.

# Tuition and Fees

In addition, if the student's account is not paid in full by the end of the semester or term in which it is due, the account will be 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 fees already assessed to the account.

During the add/drop period, students adding courses on the installment program will be required to pay 50% 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 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.

The payment method options available are listed in the Payment Procedures section of this publication. Any questions concerning the payment process may be directed to the Student Accounts Office at (325) 942-2008 or (877) 942-2008.

## Student's Financial Obligation Policy

Students are expected to meet financial obligations to the University within the designated time allowed. Registration fees are payable by the due dates specified in the on-line registration instructions, and students are not entitled to enter class or laboratory until their fees and deposits have been paid. Room and board charges are payable by the due dates specified in the on-line registration instructions. Failure to pay the amount owed in the allotted time may result in any or all of the following: 1) dismissal from the University, 2) withholding of future registration privileges, 3) withholding the issuance of an official certified transcript, 4) withholding the conferring of a degree.

## Refund Policy

Withdrawal from the University is defined as leaving the University for the remainder of the semester and being officially removed from all classes. 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 are eligible for a refund of tuition and fees according to the following schedule. T (Class days indicated below are defined by the official University calendar - not the student's individual schedule.)

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

1. Prior to the first class day . . . . .100%
2. During the 1st, 2nd, 3rd, 4th and 5th class days . . . . .80%
3. During the 6th, 7th, 8th, 9th, and 10th class days . . . . .70%
4. During the 11th, 12th, 13th, 14th, and 15th class days . . . . .50%
5. During the 16th, 17th, 18th, 19th, and 20th class days . . . . .25%
6. After the twentieth class day . . . . .None

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

1. Prior to the first class day . . . . .100%
2. During the 1st, 2nd, and 3rd class day . . . . .80%
3. During the 4th, 5th, and 6th class day . . . . .50%
4. After the sixth class day . . . . .None

### Term or session of five weeks or less

1. Prior to the first class day . . . . .100%
2. During the first class day . . . . .80%
3. During the second class day . . . . .50%
4. After the second class day . . . . .None

## Tuition and Fees

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A student dropping a course or courses (but not withdrawing from the University) within the first twelve class days of a long semester or the first four class days of a summer term is eligible for a refund of applicable tuition and fees for courses dropped. If applicable, a student will receive a refund within 40 days after the drop period has ended for the semester or term. The University may modify the refund policy at any time without prior notice in order to comply with state and/or federal guidelines.

Any questions concerning the refund process may be directed to the Student Accounts Office at (325) 942-2008 or (877) 942-2008.

### Statement on Refunds

Angelo State University has adopted and published in the *Student Handbook* "Grievance and Appeal Procedures for Students at Angelo State University." In cases where students or parents feel that individual circumstances warrant exceptions from published policy regarding charges or refunds at Angelo State University and where such matters are not satisfactorily resolved, the matter may be appealed by contacting the Office of Student Life as specified in step 2 of the grievance and appeal procedures.

# FINANCIAL ASSISTANCE



# Financial Assistance

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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, grants, or a combination of these programs, depending on the student's needs. Scholarships (other than the Academic Excellence Graduate Scholarship [AEGS] and departmental scholarships) are available through the Financial Aid Office.

## GRADUATE SCHOLARSHIPS AND ASSISTANTSHIPS

### Academic Excellence 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 web site for current Academic Excellence Graduate Scholarship funding levels.

To be considered for an Academic Excellence Graduate Scholarship an applicant must:

- Have applied and been accepted as a Regular Status graduate student in a master's degree program.
- Submit a complete Academic Excellence Graduate Scholarship Application Form.
- Have a 3.0 or better GPA on all undergraduate work attempted from an accredited college or university, or a 3.30 or better GPA in the last 60 hours of undergraduate study.
- Have a 4.0 or better on the Analytical Writing portion of either the GRE or GMAT.
- Have at least a 3.5 or better GPA on all graduate work attempted and meet the required formula (if the undergraduate GPA requirements are not met).
- Have a 4.0 or better on the Analytical Writing portion of either the GRE or GMAT and GRE or GMAT scores high enough to fall on award matrix grid. (See the ASU website for current AEGS award grid.)
- Submit a 500 word essay which describes the applicant's educational plans, career objectives, commitment to the particular field of study, and personal goals. The essay may also address any of the following factors: socioeconomic history, financial need, family background, personal talents, leadership, and community service.

The deadline for new applications and all supporting materials is April 1 for summer or fall start dates, and October 15 for spring start dates. Applicants who satisfy the eligibility criteria will be awarded in merit order until all scholarship funds are exhausted. Academic Excellence Graduate Scholarship application materials may be obtained by contacting The College of Graduate Studies, Angelo State University, ASU Station #11025, San Angelo, TX 76909 (325/942-2169, [graduate.school@angelo.edu](mailto:graduate.school@angelo.edu)) or on the ASU web site. (Dates are subject to change.)

Applicants for Academic Excellence 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 Excellence Graduate Scholarships in excess of \$1,000 for the academic year awarded to out-of-state and international students will normally qualify such students to pay 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 at the time of application including at least six (6) upper level SCH in the field of the proposed research and must have a cumulative grade point average of at least 3.0. Graduate applicants must have at least a 3.5 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 3.0 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.

## **Other Scholarships**

The University has available other scholarships for which graduate students are eligible. They are made available on the basis of academic ability and financial need and are awarded by the University Financial Aid Committee. Scholarships are awarded for one academic year with the provision that the recipient meet the academic standards established for such scholarships. In order to have the scholarship renewed for a second academic year, the student must reapply.

Scholarships in varying amounts are awarded for academic excellence. The student is expected to maintain a high quality academic record but has no other commitments to the University as a result of receiving one of these scholarships.

Inquiries concerning scholarships and requests for scholarship application forms should be directed to the Dean of the College of Graduate Studies or the Office of Financial Aid.

## **Teaching Assistantships, Research Assistantships, and Graduate Assistantships**

Angelo State University offers three types of appointments for graduate students: (1) contract appointments for an academic year (or semester) for Teaching Assistants who have responsibility for lecture classes, individual instruction, or laboratory sections, (2) staff appointments without fixed term as Graduate Assistants who have responsibility for a wide range of duties designed to support the program's instructional program, and (3) staff appointments without fixed term as Research Assistants who have a broad range of duties to support the program's research interests. All graduate students who are awarded a Teaching Assistantship, Graduate Assistantship, or Research Assistantship must be regular graduate degree or certification students and enrolled in the College of Graduate Studies during the term of their appointments.

The Teaching Assistant may have the responsibility for lecture classes, individual instruction, or laboratory sections. The Teaching Assistant normally will have responsibility equivalent to one-half of the normal work load assigned a person of professional rank. The Graduate Assistant's responsibilities comprise a wide range of duties designed to support the program's instructional program, including grading, clerical functions, storekeeping, preparation of class or laboratory material, or other functions under a supervising faculty member. The Graduate Assistant's work load will be on an hourly basis, and the number of hours which the graduate assistant works each week must be approved by the Department Head. The average work load is generally 17.5 hours per week and shall not exceed 19 hours of work per week during any monthly pay period. The Research Assistant assists the faculty with scholarly activity and research projects. The Research Assistant's work load is on an hourly basis, with the average work load of 17.5 to 19.5 hours per week.

# Financial Assistance

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The Teaching Assistant, or Graduate Assistant, or Research Assistant is normally required to enroll for six semester credit hours of course work per semester except when enrolled for the last semester prior to graduation or for the thesis course. A Teaching Assistant, Graduate Assistant, or Research Assistant may take nine semester hours per semester with the approval of the supervising faculty member or Department Head. A minimum of three semester credit hours distributed in any way across the two summer terms is required for summer assistantship appointments. A Teaching Assistant, Graduate Assistant, or Research Assistant must at all times maintain at least a 3.00 grade point average in all graduate work to remain eligible for continued employment.

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 100 of the Hardeman Building, telephone number (325) 942-2169.

## Other Aid to Students

The purpose of the Financial Aid Office at Angelo State University is to assist students in obtaining financial aid necessary for them to attend graduate school. Underlying this purpose is the philosophy that it is the primary responsibility of the student to provide for the expenses of a graduate education. However, because of the variety of financial backgrounds from which students come, it is sometimes necessary to seek outside help in the form of loans, grants, scholarships, etc., to meet the financial need left by the inability of family resources to cover normal college expenses.

### APPLYING FOR FINANCIAL AID

1. Information, instructions, and forms may be obtained by contacting the Financial Aid Office ([www.angelo.edu](http://www.angelo.edu)).
2. Additional documents may be required depending on the applicant's individual circumstance. The student will be notified if additional documents are required.
3. Secure approval for admission or readmission to the University as a regular student and the evaluation of any transfer hours from the College of Graduate Studies.

Students requesting financial aid must have their eligibility redetermined 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.

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, and method of financial aid payment. 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, an individual aid program may have unique qualitative and/or quantitative standards specific to the program as mandated by law or the program's governing entity (e.g., TEXAS Grants, Academic Excellence Graduate Scholarships [AEGS], etc.).

### Minimum Standards of Satisfactory Academic Progress

To retain eligibility, financial aid recipients must show satisfactory progress toward a degree based on the following qualitative and quantitative standards:

1. Cumulative Grade Point Average (GPA)
2. Maximum Time Frame for Degree/Certificate Completion
3. Successful Credit Hour Completion Rate

#### 1. Cumulative Grade Point Average (GPA)

Students must meet the following minimum cumulative GPA requirement to retain eligibility:

Graduate Students . . . . .	.3.0 Cumulative GPA for financial aid
	3.5 Cumulative GPA for AEGS.

#### 2. Maximum Time Frame for Degree/Certificate Completion

Students will be limited to the following number of attempted hours to complete the certification program:

Graduate Degree/Certification (or as listed below) . . . . .	.54 attempted hours
MS in Industrial/Organizational Psychology . . . . .	.60 attempted hours
MEd in School Administration . . . . .	.60 attempted hours
MS in Counseling Psychology . . . . .	.72 attempted hours
MSN with Advanced Practice Registered Nurse Option . . . . .	.72 attempted hours

#### 3. Successful Credit Hour Completion Rate

Students must successfully complete/earn a minimum of 67% of all attempted course work to remain on track to complete the degree or certification program within the maximum time frame allowed and retain financial aid eligibility. Attempted hours include all transfer hours as well as all registered hours at ASU as of the census date (12th class day in a long semester and 4th class day in the summer term) for each enrollment period whether or not the student earned a grade or received credit. All partial credit hours will be rounded down to the nearest hour.

Example: If a graduate student has registered for and attempted a total of 45 SCH (cumulative), a minimum of 30 SCH (67% of 45 = 30.15) must be successfully completed/earned.

The following are considered hours attempted, but not successfully completed/earned:

- a. Grades F, NP, or PR for Graduate Students
- b. Course Withdrawals
- c. Course Incompletes
- d. Repeated Course Work

The following are considered hours attempted and successfully completed/earned  
Grades of A, B, C, CR, or P for Graduate Students.

# Financial Assistance

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## Review Policy

The Financial Aid Office will review the above minimum standards of academic progress at the end of every academic year (spring semester) to determine each applicant's eligibility for aid consideration for the upcoming year (summer, fall, spring). If it is determined that the student does not meet the requirements, he/she will be ineligible to receive financial aid and will be notified accordingly.

## Appeal Policy

Students who do not meet the requirements and believe they have an extenuating circumstance that led to their unsatisfactory progress may submit an application for appeal to the Financial Aid Office to be reviewed by an appeals committee. The application for appeal is available in the Financial Aid Office or via the Web.

If the appeal is approved, aid will be continued for the remainder of the current year (summer, fall, spring) if the student is otherwise eligible. If denied, the student may request a second appeal at which time the student will be required to meet with an appeals committee in person at a scheduled meeting of the committee. If approved, aid will be continued for the remainder of the current year (summer, fall, spring) if the student is otherwise eligible. If denied, the student must reinstate eligibility according to the reinstatement policy.

The decision of the committee is final and may include additional conditions the student must meet as deemed appropriate by the committee. All students (approved or denied) will be reviewed again for continued eligibility at the end of the academic year (spring semester) during the regular review process.

## Reinstatement Policy

To reinstate eligibility, students may attend the next semester/term without financial aid, unless academically dismissed. If at the end of the semester/term the student again meets the minimum SAP standards, he/she may submit a written request to the Financial Aid Office to have his/her application for aid reinstated for the next and subsequent semesters/terms of the current year. (summer, fall, spring). Continued eligibility for the next academic year will be determined again at the end of the spring semester during the regular review process. Students may apply for alternative loan programs which are not subject to SAP minimum standards during the reinstatement period to help meet their educational costs.

## SHORT-TERM LOANS

Emergency loans in varying amounts are available to students on a limited basis. A moderate service charge is assessed, and the loan must be repaid prior to the end of the semester during which it is borrowed. These funds have been made available through the following source:

The Emergency Tuition and Fees Loan Program was authorized by HB 1147, 69th Legislature, for the purpose of providing emergency loans to deserving students who are experiencing temporary financial difficulties and who are unable to obtain funds from financial sources outside the University. Borrowers will have a maximum repayment period of 90 days from the date of execution on the promissory note. The interest rate on money loaned is computed at an annual rate not to exceed five percent.

## LONG-TERM LOANS

**Federal Perkins Loan Program:** This program provides long-term loans at an interest rate of 5 percent to students needing financial assistance to enter or remain in school. Primary qualification is financial need as determined by the Free Application for Federal Student Aid.

**Federal Stafford Loan Program:** The Federal Stafford Loan Program is offered through participating lending institutions for the purpose of making low-interest loans to students for postsecondary expenses. In order to qualify a student must show financial need as determined by the Free Application for Federal Student Aid. The amount a student may borrow is the annual loan limit or documented financial need, whichever is less. Please contact the Financial Aid Office or visit the Financial Aid page of the ASU Website for applicable loan limits and interest rates.

# Financial Assistance

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**Federal Unsubsidized Stafford Loan:** This program was created by the Federal government to assure that all students regardless of income would be able to obtain a student loan. The terms and conditions of this program are basically the same as the Federal Stafford Loan except that interest will accrue and may be paid or capitalized as agreed upon by the borrower and lender. A student must apply for the Federal Stafford Loan first before his/her eligibility can be established for the Federal Unsubsidized Stafford Loan. A student may borrow from both programs, but the total amount cannot exceed the annual loan limits under the Federal Stafford Loan Program.

**Federal Unsubsidized Stafford Loan Additional for Independent Students:** The Federal Unsubsidized Stafford Loan Additional is offered through participating lending institutions for the purpose of making available a type of guaranteed loan that provides a source of additional funds for **graduate/professional** students. No demonstration of financial need is required for the Federal Unsubsidized Stafford Loan Additional, but a determination of the student's eligibility for a Federal Pell Grant and/or Federal Stafford Loan must be made before certification of the application can be made. Please contact the Financial Aid Office for applicable loan limits and interest rates.

**Grad PLUS:** This loan program permits graduate and professional students to borrow under the PLUS program. PLUS terms and conditions remain the same, including: qualified borrower must not have adverse credit history, repayment begins upon final disbursement, student must complete FAFSA, student must borrow Stafford annual limit before borrowing PLUS.

**Alternative Agency Student Loans:** Alternative non-need-based student loans are available through various agencies and are designed to assist students whose families are experiencing difficulty meeting the expected family contribution toward the educational costs. Loan amounts, deferment of principal, interest rates, and eligibility criteria vary depending on the program. Please contact the Financial Aid Office for additional information.

## GRANTS

**Texas Public Educational Grants Program (TPEG):** This program was created by the State Legislature in 1975 in order to provide grants to needy students attending state-supported educational institutions.

**Ram Grant:** Need-based program available to assist undergraduate and graduate students.

## EXEMPTION AND WAIVER PROGRAMS

The following exemption and waiver programs are available to students who meet the established requirements for the programs. These programs may waive and/or decrease the tuition and/or fee charges for eligible students. For more information concerning these and other exemption programs, contact the Financial Aid Office or the Texas Higher Education Coordinating Board at 800-242-3062 or visit their website at [www.collegefortexans.com](http://www.collegefortexans.com).

Available exemptions and waivers include, but are not limited to:

- Blind/Deaf Exemption
- Certified Educational Aide Exemption
- AFDC (TANF) Exemption
- Hazelwood Act Exemption
- Foster Care Exemption
- Texas National Guard Exemption
- Children of Disabled/Deceased Firemen, Peace Officers, Game Wardens, and Employees of Correctional Institutions.

# Financial Assistance

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## EMPLOYMENT

**Federal Work Study Program:** Federal Work-Study Program funds may be awarded to a student who has documented financial need and wishes to earn a portion of his or her financial aid eligibility. A student employed under this program will generally work 15 to 20 hours per week. The rate of pay is determined by the current Fiscal Regulations of the University, but will not be less than minimum wage.

**State Work-Study Program:** State Work-Study Program funds may be awarded to a student who has documented financial need and wishes to earn a portion of his/her financial aid eligibility. A student employed under this program will generally work 15 to 20 hours per week. The rate of pay is determined by current Fiscal Regulations of the University, but will not be less than minimum wage. Student must be a Texas Resident.

## RETURN OF FUNDS DUE TO OFFICIAL AND UNOFFICIAL WITHDRAWAL FROM THE UNIVERSITY

**Official:** A student who is awarded financial aid and withdraws from the University may be required to repay all or part of the aid awarded for the applicable enrollment period. An application for withdrawal from the University must be initiated by the student in the Registrar's Office by the last day for withdrawals as posted on the University calendar. A student is not officially withdrawn until the application for withdrawal has been completed, approval of the required University offices has been secured, and the application has been returned to the Registrar's Office for final approval and processing.

As part of the withdrawal process, the student must secure approval from the Financial Aid Office. If the student was awarded financial aid for the period of enrollment from which he/she is withdrawing, a calculation will be performed to determine if any of the awarded aid must be returned to the aid programs. The following steps are used by the Financial Aid Office to calculate the amount of aid to be returned as required by federal regulations:

1. Determination of the withdrawal date.
2. Determination of the amount of aid the student earned as of the withdrawal date.\*
3. Determination of the amount of aid the student did not earn due to the withdrawal.\*
4. Determination of the unearned aid that must be returned to the aid program(s).

Once the amount of aid to be returned is calculated, the student's account will be adjusted accordingly and the aid returned to the appropriate program(s).

**Unofficial:** A student who is awarded financial aid and fails to make a passing grade in all classes (e.g., all F's, all F's and W's, etc.) will be considered to have unofficially withdrawn from the University for the enrollment period. (A student making a passing grade in at least one class will not be subject to this provision.) The Financial Aid Office is required by federal regulations to calculate the amount of aid to be returned to the aid programs due to the unofficial withdrawal.

The same steps will be used to calculate the amount to be returned for unofficial withdrawals as are used for official withdrawals. The date of withdrawal will be determined according to the student's last date of attendance or participation in class activities as documented by the instructor.

The guidelines to return funds due to withdrawal may be modified at any time without prior notice in order to comply with state and federal regulations.

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\* If the student withdraws after completing 60% of the enrollment period, the amount of aid the student earned will be calculated at 100% as allowed for by federal regulations.

# **ACADEMIC GUIDELINES AND GRADUATE SCHOOL POLICIES**



# Academic Guidelines and Graduate School Policies

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## THE GRADUATE DEGREE PLAN

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

Degree plan forms are mailed with the student's acceptance letter and are also available in the appropriate departmental offices. 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 heads 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.

## ACADEMIC STATUS

### 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.

### Probation

When a regular status graduate student's grade point average drops below a 3.0, 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.

### 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 under the Section on Student Services and Activities in the University's Student Handbook.

## MAXIMUM COURSE LOADS

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 3.5 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.

# Academic Guidelines and Graduate School Policies

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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 (with the exception of Physical Therapy) 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.

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 head, 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 head, 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.

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.

## FULL-TIME STUDENT

A graduate student shall be considered on full-time status for university purposes if:

1. 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
2. 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
3. the student is working full time on a thesis and is enrolled in either 6399 or 6699.

A graduate student shall be considered on full-time status for federal aid purposes if the student is enrolled for a minimum of nine semester credit hours in a long semester or a minimum of nine semester credit hours distributed in any way across the two summer terms.

## 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 on RamPort to determine the last day on which a student may withdraw from the University. 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, all drop slips have 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.

## 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.

# Academic Guidelines and Graduate School Policies

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## NAME CHANGE

Appropriate documentation which substantiates a legal name change for a student must be submitted to the Registrar's Office or the College of Graduate Studies Office 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 Admissions or the College of Graduate Studies.

## 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 MEd program, into the MA in Curriculum and Instruction program, and into the MA 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 and Master of Professional Accountancy 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 MBA or MPAC degree program at Angelo State University may be transferred into the program. After the date of first admission to the MBA or MPAC 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 MBA or MPAC 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 MGT 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.

## 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.

# Academic Guidelines and Graduate School Policies

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## 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. Students in the Master of Arts or Science in Interdisciplinary Studies must have a minimum of one faculty member from each of the three disciplines comprising the degree; the Dean of the College of Graduate Studies serves as Chair of the committee. The Dean of the College of Graduate Studies will notify the student of the Advisory Committee composition.

## THE THESIS

Each student enrolling in a thesis course for the first time must 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.

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.

## **Academic Guidelines and Graduate School Policies**

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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 School 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. Students can request an unofficial transcript to be mailed to their permanent address by calling the Registrar's Office by the last day of finals. After that date, a copy of the semester grades or a transcript will be mailed with a written and signed request by the student to the Registrar's Office. These grades are recorded on their academic record in the Registrar's Office.

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

<u>Grade</u> <u>Marks</u>	<u>Quality</u> <u>Grade</u> <u>Meaning</u>	<u>(Grade)</u> <u>Points</u>
A	Excellent	4
B	Good	3
C	Average	2
F	Failure	0
I	Incomplete	not counted
P	Pass	not counted
W	Withdraw	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 due to 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 6699 or 6399 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 6699 or 6399 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*, or *F*.
6. A course may be repeated without accumulating additional quality hours. However, a course which is part of a degree that has already been conferred may not be repeated.
7. The grade of *P* can be assigned only to courses designated in this Catalog as Pass/Fail courses.

# Academic Guidelines and Graduate School Policies

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## GRADE GRIEVANCE POLICY STATEMENT

### 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 guidelines, the faculty member's grade determination is final.

### 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 and explain the grade assigned to the student.

### Appeal to the Department Head

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 head. If the faculty member in question is the department head, the student should request that the dean of the college appoint a faculty committee to review the grievance. If the faculty member in question is the dean of the college, the department head will still be the second level of appeal. The student must present a written statement and provide compelling evidence (examinations, papers, etc.) that demonstrates why the grade should be changed. 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. 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. The department head (or a committee appointed by the department head 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. Either the faculty member or the student may appeal the decision rendered at this level.

### Appeal to the College

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. 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 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. The committee will be provided the student's written statement and evidence as well as the written report of the department head and faculty member. The committee may conduct a hearing where the student and the faculty member may present information about the grievance. The committee will issue a written decision on the grievance to the dean of the college with copies to the student and faculty member. The decision of the committee is final, and there is no further appeal through University channels.

# Academic Guidelines and Graduate School Policies

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## CLASS ATTENDANCE REGULATIONS

Students are expected to be present for all class meetings of the courses for which they are registered. 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 makeup work is administered is to be determined by the instructor.

If a dispute over absences arises between an instructor and a student 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 Head, Academic Dean, the Academic Vice President, 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.** Courses may be added during registration periods as specified in the University calendar.

**Dropping Courses.** Courses may be dropped during the registration period and no grade will be given. 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 head of the student's major field of study. Students should review the requirements for the exam early in their degree program.

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.

# Academic Guidelines and Graduate School Policies

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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 4 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 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 at [www.angelo.edu/forms/cgi/graduate.html](http://www.angelo.edu/forms/cgi/graduate.html). 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.

## 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.

Instructions concerning graduation exercises will be mailed to each candidate at the appropriate time.

Additional information about commencement may be found at: [www.angelo.edu/commencement/](http://www.angelo.edu/commencement/).

## 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:

1. The student must receive regular status admission for the second degree program;
2. 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; and
3. 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 School 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:

- A. 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 ASU. 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 toward the degree
  - 1. A maximum of six - eight semester credit hours or two courses of 5000-level work\*
  - 2. 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; (NOTE: M.Ed. and M.A. in Communication may apply a maximum of six semester credit hours of transfer work.
  - 3. No courses taken by correspondence or extension;
  - 4. No more than nine semester credit hours taken while in non-degree status (except Curriculum and Instruction teacher certification certificate status).
- B. 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, written and/or oral exams.
- C. 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 all doctor's degree, the graduate student must complete the following general requirements:

- A. The student must complete a minimum of 99 semester credit hours (7000-level work) for the Doctor of Physical Therapy degree. The student must earn a 3.00, or better, grade point average overall and meet the mastery in all course work.
  - 1. No courses taken by correspondence or extension.
  - 2. A minimum of 99 semester credit hours.
- B. 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, written and/or oral exams.
- C. 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. Please refer to the specific special degree requirements listed under Departmental Information.

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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.

# UNIVERSITY FACILITIES AND SERVICES



## **ACADEMIC SERVICES**

### **INFORMATION TECHNOLOGY**

Angelo State University is committed to providing students access to technology and electronic resources needed to enhance the teaching and learning environment. Secure electronic access to services allow students to register for classes, check grades, pay tuition and update their demographic information. Electronic mail, chat services, online testing technologies and web enabled classroom management services are facilitating new ways of learning and making student and faculty interaction more convenient and flexible than ever before. 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 card catalog 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. As part of the university's commitment to incorporating technology into the classroom, there are over 750 computers available for student use. The university has adopted a refreshment plan to replace all student use computers, peripherals and projection devices located in student computer labs and specialized classrooms every three years. Over 300 computers are located in general use computer labs with 24 hour access to over 200 applications, email, Internet, and personalized electronic storage area. Student lab assistants are on duty at all times to assist students with hardware and software problems. A technology help desk is available to students (on-campus and off-campus) to assist with technology questions and requests. 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 our partnership with the Texas State Data Center (TXSDC), Angelo State University has access to state-of-the-art hardware, software and information services. All Angelo State University administrative applications, including student records, fiscal and accounting, payroll and personnel, library services, financial aid management, alumni development, portal services, email and calendaring services, are processed at the TXSDC. The University's course management system is also hosted at the TXSDC.

### **MULTICULTURAL CENTER**

Created in the fall of 2008, the Multicultural Center is under the direction of the Office of Multicultural and Community Relations. 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, 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 or multicultural@angelo.edu.

### **WRITING CENTER**

The Writing Center, staffed by experienced undergraduate and graduate student writers, offers support to students in all disciplines to enhance their communication skills. Within a comfortable working environment, the Center provides one-to-one tutorials, computer-based instruction, and group writing workshops.

### **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 colleges and universities offering master's degrees. The holdings include numerous materials received through the Library's designation as a depository for United States and Texas State documents; an extensive reference collection; a selection of journals and periodicals; significant quantities of microform

# University Facilities and Services

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materials; research collections available in the Library's West Texas Collection, located on the Second Floor of the University Center; and CD's, videos, DVD's, 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, large reading and reference rooms, open stacks, a media center, and a microform reading area. 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.

On the third floor, the Library shares space with the Center for Academic Excellence, the Communication, Drama, and Journalism Department (CDJ), International Education and the Honors Program. In addition to classrooms, offices, a TV studio, and two climate controlled storage rooms, this floor has an expanded computer lab with teaching space for the Library and the English and CDJ Departments.

## CENTER FOR ACADEMIC EXCELLENCE

The Center for Academic Excellence (CAE) includes the Offices of Academic Advising, Career Development, Supplemental Instruction, Transitional Services and University Studies.

## 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. The Office of Career Development is located in the University Center, Room 114.

**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/services/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 postings. In addition, many other job databases, employer resources, and career information sites are linked to Career Development's homepage ([www.angelo.edu/services/career](http://www.angelo.edu/services/career)) and computers are available in the Career Development resource room for student and alumni use.

The Career Development library contains information on various majors, directories of employer information, books on the job search process, directories of graduate and professional school programs, and books about advanced study entrance tests including GRE, GMAT, LSAT, MCAT, etc. Most books are available for check out.

Workshops are conducted throughout the year on job search, resume writing and interviewing. Individual counseling is available by appointment on all career-related concerns. Often students can walk-in with a resume (or other application material) to be critiqued or other quick career-related questions and receive assistance without an appointment.

# 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 Dean of Student Life, the Associate Deans of Student Services and Involvement, Director of Residential Programs Counselor, Clinic, Recreation/Intramurals, Cheerleader and Angelette Directors. These programs and services include orientation (SOAR, Rambunctious Weekend), housing, counseling, student activities, commuters, student government, student organizations, Greek Life, Disability Services, discipline, multi-cultural activities, Adult Learners, Community Service, Intramurals, Recreation, Angelettes, Cheerleaders, ID Services, 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 lifeskills 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 on campus in the University in academic course work for which semester credit hours are awarded. The Clinic provides outpatient care Monday through Friday during the two long semesters when school is in session. Hours vary during summer school sessions. Clinic services include staff physicians, nurse practitioners, nursing care, pharmacy, 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 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.

There is no charge for examination, diagnosis, or consultation services provided by the Clinic staff. However, there may be charges for injections or other medicines not stocked in the pharmacy. Students referred by Clinic staff for health care services to an off-campus health care provider will be responsible for all related costs; however, the University will reimburse the student up to \$70 per illness (if there is a remaining balance after filing on personal insurance) on referrals if the student is referred by appropriate University staff. For details on reimbursements, please see the Office of the Dean of Student Life.

All medications stocked in the Health Clinic and prescribed by a University physician will be provided to students at no cost. Prescriptions requiring medications which are not stocked in the Health Clinic must be paid for by students themselves.

Currently enrolled students requiring medical services while the Clinic is closed during the regular academic session should contact University Police or Residence Hall Director for medical care referral information. PLEASE NOTE: Clinic Services, including referrals, are available only during the academic terms when classes are in session. This does not include breaks, holidays, etc.

All students attending the University and enrolled in three or more semester credit hours are eligible to purchase a plan of accident and sickness insurance which supplements the University Health Clinic Services in major surgical, medical, and accident benefits during both the school term and vacation periods. 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 Student Life 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 assists 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 located on the second floor of the Dorsey B. Hardeman Building. Any student who wishes to apply for benefits, receive counseling, or get information may call the Veterans' Affairs Office or come in during regular office hours.

## **STUDENTS WITH DISABILITIES**

Angelo State University is committed to the principle that no qualified individual 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 required by the Americans with Disabilities Act of 1990.

However, Angelo State University does not waive the published degree requirements for students. To the extent practical, the faculty and administration will make a reasonable accommodation to assist qualified individuals with disabilities meet their degree requirements, consistent with the applicable provisions of Texas statutes and the Rules AND REGULATIONS.

All students at Angelo State University must have the capacity and ambition to undertake, with reasonable assistance 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. Information about student services such as academic counseling, financial assistance, and student life programs can be obtained by contacting the Office of the Associate Dean for Student Services at (325) 942-2191 (located in the University Center, Room 112).

## **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 University Center Director, Student Life, the Center for Student Involvement, and Career Development Services, offices, 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 Dean of Student Life provide assistance and maintain liaison between students and faculty.

# University Facilities and Services

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## 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, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask 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.
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, student campus email address, telephone listing, date and place of birth, photograph, marital status, 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 attended, hometown, and parents' names and mailing addresses.

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.

# University Facilities and Services

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## 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 Dean 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 Dean of 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.

## ATHLETICS

Angelo State is a member of the Lone Star Conference and the National Collegiate Athletic Association (NCAA), competing in Division II. Angelo State sponsors twelve intercollegiate sports including five for men (football, basketball, baseball, cross country, track and field) and seven for women (basketball, volleyball, soccer, softball, cross country, track and field, and golf). Angelo State plays its football games in San Angelo Stadium which seats 17,500. The Junell Center/Stephens Arena is home to volleyball and basketball events and seats 5,500. In addition, the Junell Centre houses all athletic offices, including Sports Information, and features two weight rooms, training facilities for all athletic teams, as well as locker room facilities for teams. Track competes in the Multi-purpose Sports complex which features a 400-meter, all-weather track which has been the site for the Division II National Championships on four occasions. The national champion Belle softball team plays at the ASU Softball Field, while the Rams baseball team plays at Foster Field which serves as the home for the San Angelo Colts, a professional team in the United Baseball League.

# University Facilities and Services

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## 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.

## 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.

## 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.

# University Facilities and Services

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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.

## 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 room reservation deposit in the amount of \$150. More detailed information concerning the facilities and offerings of campus residence halls can be obtained on-line at [www.angelo.edu/deptresidence\\_life](http://www.angelo.edu/deptresidence_life) or by contacting the University Residential Programs Office, ASU Station #11016, Angelo State University, San Angelo, Texas 76909, or by calling 325/942-2035 (email address: [Housing@angelo.edu](mailto:Housing@angelo.edu)). At the close of registration, the room reservation deposit automatically becomes a damage deposit. This deposit is refundable upon written request in accordance with the published deposit refund schedule when the student has completed a proper check out of their residence hall room or apartment, provided that there has been no damage. Those unable to attend Angelo State University after making the room reservation deposits must request any refunds of the deposit, in writing by July 15 for refund prior to fall registration, and by December 15 prior to spring registration. Those failing to cancel their reservation during this period will not be refunded the \$150 housing deposit. (Refunds are processed according to deposit refund schedule listed in the housing contract.)

**Refunds:** Refunds are granted for room and board after the Director of Residence Life 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.

**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 9 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, pillow, pillow cases, blankets, bedspread, towels, and soap. Coin/card-operated automatic washers and dryers are available in the residence halls. All laundry charges for personal effects are borne by the students. Laundry machines also except RamBucks.

**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 Residence Life 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 units.

## University Facilities and Services

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**Withdrawal:** Withdrawal from the residence halls during the semester for reasons other than illness will be grounds for loss of room deposit. Fees and deposits 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.

# **FIELDS OF STUDY AND CERTIFICATE PROGRAMS**



# Fields of Study and Certificate Programs

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## DEGREES AND AREAS OF STUDY

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

<b>Degree</b>	<b>Field</b>
<b>Master of Arts (MA)</b>	Communication Curriculum and Instruction English History Interdisciplinary Studies
<b>Master of Business Administration (MBA)</b>	Business Administration Accounting
<b>Master of Education (MEd)</b>	Educational Diagnostics Guidance and Counseling Reading Specialist School Administration Student Development and Leadership in Higher Education
<b>Doctor of Physical Therapy (DPT)</b>	Physical Therapy
<b>Master of Professional Accountancy (MPAc)</b>	Accounting
<b>Master of Public Administration (MPA)</b>	Public Administration
<b>Master of Science (MS)</b>	Animal Science Biology Interdisciplinary Studies Kinesiology Psychology Applied Counseling Industrial/Organizational
<b>Master of Science in Nursing (MSN)</b>	Advanced Practice Registered Nurse Option Nurse Educator Option RN to MSN Advanced Practice Registered Nurse Option Nurse Educator Option
<b>Areas of Study (non-degree)</b>	
Advanced Practice Registered Nurse Certificate	
Curriculum and Instruction - Teacher Certification only	
Master Reading Teacher Certification	
Nurse Educator Certification	
Nurse Practitioner Joint Program with Texas Tech Health Sciences Center	
Post-master's Certification	
Educational Diagnostics	
Guidance and Counseling	
Licensed Professional Counselor	
Reading Specialist	
School Administration	
Superintendent Certification	

# Accounting

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## DEGREES OFFERED: MASTER OF BUSINESS ADMINISTRATION IN ACCOUNTING and MASTER OF PROFESSIONAL ACCOUNTANCY

College of Business  
Department of Accounting, Economics and Finance  
Department Head: Thomas A. Bankston  
Program Advisor: Norman Sunderman  
Telephone: (325) 942-2046 Ext. 245  
FAX: (325) 942-2285  
E-mail: [norman.sunderman@angelo.edu](mailto:norman.sunderman@angelo.edu)  
Department Office, Rassman Building, Room 246  
Web address: [www.angelo.edu](http://www.angelo.edu)

**Graduate Faculty:** Thomas Bankston, Michael Butler, Michael DeCelles, Jamal Husein, Murat Kara, Bill McKinney, Krishnan Ranganathan, Norman Sunderman

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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 MBA in Accounting is designed to heighten your broad-based business knowledge to meet employers' expectations while the Master of Professional Accountancy (MPAc) 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 MBA in Accounting or an MPAc. Students who have already received a bachelor's degree enroll in the regular graduate programs, while outstanding undergraduate students may enroll in the Integrated BBA/MBA and BBA/MPAc programs.

### Degree Requirement / Prerequisites

ACC	2301	Principles of Accounting I
ACC	2302	Principles of Accounting II
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	Business Statistics
BUSI	3345	Business Law
ECO	2302	Microeconomics
FIN	3361	Financial Management
MATH	1312 or 2331	Business Math II or Calculus I

# Accounting

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 (5) years. To make arrangements for taking the test, go to the GMAT website: [mba.com](http://mba.com)

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

## **MBA Accounting and Integrated BBA/MBA 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

## **MPAc and Integrated BBA/MPAc 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
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 MBA or MPAc degree program at Angelo State University may be transferred into the program. After the date of first admission to the MBA or MPAc 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 MBA or MPAc 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 MGT 6313 Corporate Strategies and Policies.

# Accounting

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**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.

## COURSES IN ACCOUNTING (ACC)

**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.

**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 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 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.

# Animal Science

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## DEGREE OFFERED: MASTER OF SCIENCE IN ANIMAL SCIENCE

College of Sciences  
Department of Agriculture  
Department Head: Gilbert R. Engdahl  
Program Advisor: Cody B. Scott  
Email: [cody.scott@angelo.edu](mailto:cody.scott@angelo.edu)  
Telephone: (325) 942-2027, ext. 284  
FAX: (325) 942-2183  
Department Office: Vincent Building, Room 222  
Web Address: [www.angelo.edu](http://www.angelo.edu)

**Graduate Faculty:** Kirk Braden, Loree Branham, Gilbert Engdahl, Brian May, Micheal Salisbury, Cody Scott

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### THE MASTER OF SCIENCE DEGREE

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 Head 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 Agricultural 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 AGRONOMY (AGRO)

**AGRO 6325 Advanced Forage Management (3-0).** Systems approach to the management of forage-livestock production. Nutrient cycles, antitoxin factors, and limitations to intake. Introduction to methods used in forage-livestock research.

Prerequisite: Range and Wildlife Management 2321.

## 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.

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\* A maximum of 6 semester credit hours of 5000-level courses may be taken for graduate credit by graduate students, with the permission of Graduate Advisor and Graduate Dean.

# Animal Science

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**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.

**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 5444 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.

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\* A maximum of 8 semester credit hours of 5000-level courses may be taken for graduate credit by graduate students, with the permission of Graduate Advisor and Graduate Dean.

\* **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 HACCP (Hazard Analysis and Critical Control Points: 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.

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\* A maximum of 8 semester credit hours of 5000-level courses may be taken for graduate credit by graduate students, with the permission of Graduate Advisor and Graduate Dean.

# Biology

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## DEGREES OFFERED: MASTER OF SCIENCE IN BIOLOGY MASTER OF SCIENCE IN BIOLOGY WITH EMPHASIS IN SCIENCE EDUCATION

College of Sciences  
Department of Biology  
Department Head: J. Kelly McCoy  
Program Advisor: Bonnie Amos  
E-mail: [bonnie.amos@angelo.edu](mailto:bonnie.amos@angelo.edu)  
Telephone: (325) 942-2189, ext. 256  
FAX: (325) 942-2184  
Department Office: Cavness Building, Room 127 B  
Web address: [www.angelo.edu](http://www.angelo.edu)

**Graduate Faculty:** Loren Ammerman, Bonnie Amos, Michael Dixon, Robert Dowler, Crosby Jones, David Marsh, Terry Maxwell, Kelly McCoy, Connie Russell, Ned Strenth, Russell Wilke

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### ADMISSION REQUIREMENTS

The requirements for admission to the College of Graduate Studies and the M.S. in Biology are listed on pages 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, microbial ecology, molecular genetics, neurophysiology, and ecology and systematics of plants and animals.

### MASTER OF SCIENCE IN BIOLOGY DEGREE REQUIREMENTS

The student's Master of Science program must be initiated under the direction of a major professor and approved by the Head 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.

### MASTER OF SCIENCE IN BIOLOGY

**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.

**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.

## **MASTER OF SCIENCE IN BIOLOGY WITH EMPHASIS IN SCIENCE EDUCATION**

This program is designed for students seeking a career as a 2 or 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.

**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.

**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 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.

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

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\* A maximum of 8 semester credit hours of 5000-level courses may be taken for graduate credit by graduate students, with the approval of the Program Advisor and the 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.

Prerequisite: 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.

Prerequisite: 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 Head 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.

Prerequisites: Biology 3301 or equivalent.

**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.

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\* A maximum of 8 semester credit hours of 5000-level courses may be taken for graduate credit by graduate students, with the approval of the Program Advisor and the Graduate Dean.

# Biology

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**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.

# Business Administration

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## DEGREE OFFERED: MASTER OF BUSINESS ADMINISTRATION IN BUSINESS ADMINISTRATION

College of Business  
Department of Management and Marketing  
Department Head: Tom F. Badgett  
Program Advisor: Dan M. Khanna  
E-mail: dan.khanna@angelo.edu  
Telephone: (325) 942-2383, ext. 229  
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**Graduate Faculty:** Tom Badgett, Tom Bankston, Michael Butler, Sudhir Chawla, Michael DeCelles, Carol Diminnie, Corbett Gauden, Jamal Husein, Murat Kara, Dan Khanna, Joseph Rallo, Steve Reames, Krishnan Ranganathan, William Renforth, Sharynn Tomlin, Karen Shumway, Norman Sunderman

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### MASTER OF BUSINESS ADMINISTRATION

The Master of Business Administration (MBA) 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 MBA 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 MBA curriculum.

The educational emphasis of the MBA 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 MBA 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 MBA 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.

Accounting 2301 and 2302  
Economics 2301 and 2302  
Finance 3361  
Mathematics 1312  
Management 3301  
Management Science 2331 (statistics)  
Marketing 3321

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.

# Business Administration

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The MBA 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 MBA program.

## Course sequencing:

<b>YEAR 1</b>		
FALL	SPRING	SUMMER
Decision Analysis (MSC 6301)	Managerial Economics (ECO 6311)	Operations Management (MGT 6312)
Organizational Behavior (MGT 6311)	Research Methods (BA 6303)	Elective*
<b>YEAR 2</b>		
FALL	SPRING	SUMMER
Marketing Management (MKT 6301)	Financial Management (FIN 6301)	Management Information Systems (MIS 6313)
Managerial Accounting (ACC 6301)	Legal & Social Environment of Business (B A 6302)	Elective*
<b>YEAR 3</b>		
FALL		
Corporate Strategies and Policies (MGT 6313)		

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- \* Electives are to be taken from the Department of Management and Marketing; Department of Accounting, Economics and Finance; or the Department of Government. Electives taken outside these three departments must be given prior approval in writing by the graduate advisor.

# Business Administration

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## 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 MBA 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 MBA curriculum except Management 6313. A graduate-level elective must be substituted for each course waived. Criteria for course waiver(s) include:

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

## Transfer work:

Up to nine semester credit hours of graduate credit completed prior to the date of first admission to the MBA or MPAC degree program at Angelo State University may be transferred into the program. After the date of first admission to the MBA or MPAC 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 MBA or MPAC 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 MGT 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 6314 Multinational Management Strategy (3-0).** 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. This course is usually taught off-campus as part of the International Studies Program.

**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.

# Business Administration

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## COURSES IN MANAGEMENT (MGT)

**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 Government 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.)

**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 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 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.

## DEGREE OFFERED: MASTER OF ARTS IN COMMUNICATION

College of Liberal and Fine Arts  
Department of Communication, Drama and Journalism  
Department Head: Shawn T. Wahl  
Program Advisor: Lana G. Marlow  
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Web Address: [www.angelo.edu](http://www.angelo.edu)

**Graduate Faculty:** Jeff Boone, Cathy Johnson, Johnathan Marlow, Lana Marlow, George Pacheco, June Smith

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### GRADUATE STUDY IN 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 and the M.A. in Communication are listed on page 11 and 75 of this Catalog.

### GENERAL DEGREE REQUIREMENTS

All students enter the program with non-thesis degree plans. After completing 12 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. No 4000-level classes will count toward the degree.

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 6301, 6302, 6303, 6304, 6306, 6312 and possibly, 6300) 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 18-21 graduate hours in Communication consisting of:

- Communication 6300 Communication and Design\*
- Communication 6301 Emerging Technologies in Communication
- Communication 6302 Quantitative Research Methods
- Communication 6303 Communication Theory
- Communication 6304 Communication Literature
- Communication 6306 Legal and Ethical Issues in Communication
- Communication 6312 Qualitative Research Methods

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

\* This course is required if the student has not completed undergraduate courses in desktop publication and graphics, layout, and design.

## Thesis Option:

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

1. the 18-21 hour communication core,
2. 3 to 6 additional graduate hours in communication,
3. 6 graduate elective hours taken from communication or approved electives,
4. 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:

1. the 18-21 hour communication core,
2. 9 to 12 additional graduate hours in communication,
3. 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 6 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 Emerging Technologies in Communication (3-0).** A course to instruct students in the use of the latest communication technology in a pedagogical environment.

**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 Communication Literature (3-0).** A review of core literature in communication studies.

# Communication

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**COMM 6305 Organizational Communication Technologies in a Global Context (3-0).** Cultural, organizational, and interpersonal issues affecting the success of system design and management.

**COMM 6306 Legal Issues in Communication Technologies (3-0).** Issues and concerns of the communications manager including: communication law, technological innovations, instructional/educational paradigms, management theory, and the methods of managing technology as a strategic resource.

**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 and Project Management (3-0).** The concepts, theories, and decision making techniques involved in communications systems project management, scheduling, and quality control. How technology can be used to generate a sustainable competitive advantage.

**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 (3-0).** Directed readings or individual research projects. (May be repeated once.)

**COMM 6399 Thesis.**

**COMM 6699 Thesis.**

# Curriculum and Instruction

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## DEGREE OFFERED: MASTER OF ARTS IN CURRICULUM AND INSTRUCTION

College of Education  
Department of Curriculum and Instruction  
Department Head: James A. Summerlin  
Program Advisor: Kimberly K. Livengood  
Email: kim.livengood@angelo.edu  
Telephone: (325) 942-2647, ext. 478  
FAX: (325) 942-2039  
Office: Carr Building #126  
Web Address: www.angelo.edu

**Graduate Faculty:** Kimberly Livengood, Mary McGlamery, John Miazga, Lu Stephens, James Summerlin, David Tarver, Alaric Williams

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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>SCH</b>
CI 6310 .....	.3
CI 6314 .....	.3
CI 6316 .....	.3
CI 6317 .....	.3
CI 6318 .....	.3
CI 6320 .....	.3
CI 6321 .....	.3
CI 6327 .....	.3
CI 6331 .....	.3
CI 6351 .....	.3
CI 6363 .....	.3
CI 6373 .....	.3

# Curriculum and Instruction

## Teacher Certification Option .....SCH

Same as the Advanced Instructor Option, with the addition of

CI 5360 Teaching Internship (twice) .....6

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, and CI 6321 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.

Courses in these degree options are offered in web-blended format. Most classes are taught on-line, but some on-campus attendance will 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	SCH
CI 6327 .....	.3
CI 6317 .....	.3
CI 6318 .....	.3
CI 6321 .....	.3

Fall	
CI 5360 .....	.3
CI 6314 .....	.3

Spring	
CI 5360 .....	.3
CI 6316 .....	.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. Candidates with a foreign language as a content area will also be required to take the Texas Oral Proficiency Test (TOPT).

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.

# Curriculum and Instruction

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## TEExES Approval Procedure

Candidates must have a Bachelor's Degree with 24 hours in the content they wish to teach (12 hours must be upper level) to take the content area exam.

- Candidates must have met the requirements and been admitted to the Educator Preparation Program.
- Candidates will be approved to take the grade-level appropriate Pedagogy and Professional Responsibilities examination after their internship.

## TEExES Registration Procedures

Registration for the TEExES examination is online. Instructions for the online registration process are located on the College of Education website at [www.angelo.edu/dept/ceducation](http://www.angelo.edu/dept/ceducation). Candidates needing special testing arrangements should notify the Director of Certification in the College of Education for registration assistance.

### RECOMMENDATION FOR CERTIFICATION

In order for Angelo State University to recommend a candidate for certification, the candidate must have earned a 2.500 overall undergraduate grade point average, must have completed all required courses in the teacher certification areas with a grade point average of 3.000 and with no grade lower than a B. All other university requirements must be completed. The candidate must also continue to demonstrate sound physical health, sound mental health, and acceptable moral character.

It is the candidate's responsibility to inform the college of Education that all certification requirements have been completed and to ensure that all appropriate forms and fees have been submitted.

The candidate must also present satisfactory scores on all required Texas certification test, i.e., the TEExES, and the Texas Oral Proficiency Test (TOPT) for Spanish or French certification. Individuals must apply for certifications online at the State Board for Educator Certification's website ([www.sbcec.state.tx.us](http://www.sbcec.state.tx.us)).

### REQUIRED FINGERPRINTING OF APPLICANTS FOR CERTIFICATION

Applicants for educator credentials must submit to fingerprints to the State Board for Educator Certification (SBEC) so the FBI can conduct a national criminal background check. The Department of Public Safety (DPS) has a contract with a private vendor (L-1 Identity Solutions) to provide a digital fingerprinting service to those individuals that require fingerprinting for state licensing purposes in Texas. This includes applicants for educator credentials. The program is known as Fingerprint Applicant Services of Texas (FAST).

- SBEC cannot require that applicants use the digital fingerprinting vendor, but strongly encourages them to do so.
- Applicants will be required to pay their SBEC fingerprint fees (online) prior to being able to use the vendor's digital services.
- Applicants will receive an email from SBEC that will contain a document (FAST pass) that will allow them to use the vendor's digital services.
- Applicants will be required to make an appointment with the vendor and present the document (FAST pass) at their fingerprint appointment.
- Applicants will be required to pay the vendor a fee for the fingerprinting service.

# Curriculum and Instruction

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## COURSES IN CURRICULUM AND INSTRUCTION (CI)

**CI 5360 Teaching Internship (3-0).** Supervised practice in applying instructional skills in organized settings. (May be repeated once for credit.)

**CI 5660 Clinical Teaching (6-0).** Observation of and participation in supervised teaching in appropriate public school settings for students seeking teacher certification.

**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.

**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 Introduction to 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 to 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 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.

## Curriculum and Instruction

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**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.

NOTE: Other College of Education courses may be found in the Educational Diagnostics, Reading Specialist, School Administration, and Student Development and Leadership sections.

# Educational Diagnostics

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## DEGREE OFFERED: MASTER OF EDUCATION

College of Education  
Department of Teacher Education  
Department Head: Linda N. Lucksinger  
Program Advisor: Mary E. Sanders  
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Telephone: (325) 942-2052, ext. 265  
FAX: (325) 325-942-2039  
Office: Carr Building, Room 121  
Web Address: www.angelo.edu

**Graduate Faculty:** Marcia Broughton, Ann Bullion-Mears, Marilyn Eisenwine, Judith Hakes, Cheryl Hines, Linda Lucksinger, Leeann Moore, Mary Sanders

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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.

Applicants must hold a Texas Teacher Certificate or its equivalent. The MEd in Educational Diagnostics prepares the student to apply to the State Board for Educator Certification (SBE) for certification as an educational diagnostician. 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.

### DEGREE REQUIREMENTS

<b>Foundation Courses</b> .....	<b>SCH</b>
ED 6310 .....	3
ED 6322 .....	3
ED 6331 .....	3
ED 6351 .....	3
ED 6391* .....	3
 <b>Specialization Courses</b>	
ED 6361 .....	3
ED 6362 .....	3
ED 6364, ED 6377 .....	3
ED 6365 .....	3
ED 6367 .....	3
ED 6368 .....	3
ED 6348 .....	3
ED 6369** .....	3
 <b>Total SCH for Master of Education in Educational Diagnostics</b> .....	<b>39</b>

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\* ED 6391 Research is a prerequisite for all graduate courses in this program.

\*\* Application for the practicum courses must be made at least one semester in advance.

# Educational Diagnostics

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## ADDITIONAL POST MASTER'S CERTIFICATES

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.

## COURSES IN EDUCATION (ED)

**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 6322 Technology Applications (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 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 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, with emphasis on childhood and adolescence including physiological, social, emotional, cognitive, language, and cultural influences.

**ED 6361 Psychology of Children with Cognitive Disabilities (3-0).** A study of the nature and types of mental differences and other cognitive problems. Topics include measurement of intelligence as it affects mental and personality development, collaborative school-home learning and management issues, and appropriate discipline techniques.

\*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 Special Methods and Materials for Teaching Students with Cognitive Disabilities (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.

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\* Education 6361 and Education 6364 must be taken concurrently or permission of the instructor is required.

## Educational Diagnostics

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**ED 6365 Appraisal of Learning Disabilities (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 Teaching Children with Learning and Behavioral Disorders (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.

\*Prerequisite: Education 6362.

**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 6377 Problems in the Education of Students with Mild 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 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.)

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\* Education 6367 and Education 6377 must be taken concurrently or permission of the instructor is required.

NOTE: Other College of Education courses may be found in the Guidance and Counseling, Reading, School Administration, and Student Development and Leadership sections.

## DEGREE OFFERED: MASTER OF ARTS IN ENGLISH

College of Liberal and Fine Arts  
Department of English  
Department Head: Laurence E. Musgrove  
Program Advisor: Mary Ellen Hartje  
Email: me.hartje@angelo.edu  
Telephone: (325) 942-2268  
FAX: (325) 942-2208  
Office: Academic Building, Room A021C  
Web Address: www.angelo.edu

**Graduate Faculty:** Nancy Allen, Don Coers, Terry Dalrymple, Gloria Duarte, Chris Ellery, Julie Gates, Mark Hama, Mary Ellen Hartje, Linda Kornasky, Ilan Mitchell-Smith, Jeffrey Schonberg, John Wegner

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### GRADUATE STUDY IN 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 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. It 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 Progression; 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.

## 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 ENG 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.

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\* A maximum of 6 semester credit hours of 5000-level courses may be taken for graduate credit by graduate students, with permission of Graduate Advisor and Graduate Dean.

# English

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**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.

**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 head 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

## DEGREE OFFERED: MASTER OF EDUCATION

College of Education  
Department of Curriculum and Instruction  
Department Head: James A. Summerlin  
Program Advisor: Mary E. McGlamery  
Email: mary.mcglamery@angelo.edu  
Telephone: 325/942-2647 ext. 479  
Fax: 325/942-2039  
Office: Carr Building #111  
Web address: www.angelo.edu

**Graduate Faculty:** Kim Livengood, Mary McGlamery, John Miazga, Lu Stephens, James Summerlin, David Tarver, Alaric Williams

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 MEd 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 Texas Teacher Certificate and 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.

### DEGREE REQUIREMENTS

	SCH
CI 6327	.3
CI 6343	.3
CI 6344	.3
CI 6345	.3
CI 6346	.3
CI 6347	.3
CI 6349	.3
CI 6351	.3
CI 6363	.3
CI 6364	.3
CI 6365	.3
CI 6366	.3

**Total SCH for Master of Education in Guidance and Counseling . . . . .36**

### Licensed Professional Counselor Option

CI 6367	.3
CI 6368	.3
CI 6369	.3
CI 6649	.6

# Guidance and Counseling

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## ADDITIONAL POST MASTER'S CERTIFICATES

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.

## 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 6343 Techniques of Counseling I (3-0).** An introduction and orientation to guidance and counseling, emphasizing counseling communication skills and legal and ethical issues.

**CI 6344 Techniques of Counseling II (3-0).** A continuation of Education 6343 emphasizing group dynamics and human behavior.

**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 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 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.

## Guidance and Counseling

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**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.

**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 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. ED 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.

NOTE: Other College of Education courses may be found in the Educational Diagnostics, Reading Specialist, School Administration, and Student Development and Leadership sections.

# History

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## DEGREE OFFERED: MASTER OF ARTS IN HISTORY

College of Liberal and Fine Arts  
Department of History  
Department Head: Kenneth J. Heineman  
Program Advisor: Shirley M. Eoff  
Email: shirley.eoff@angelo.edu  
Telephone: 325/942-2203.  
Fax: 325/942-2057  
Office: Academic Building, Room A001B  
Web address: www.angelo.edu

**Graduate Faculty:** Arnaldo DeLeon, David Dewar, Shirley Eoff, James Hindman, Brian McKnight, Dennis Pate, Guoqiang Zheng.

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### GRADUATE STUDY IN HISTORY

The department offers graduate course work leading to a Master of Arts in History. The Master of Arts degree is designed to serve students desiring to pursue historical studies beyond the baccalaureate degree. It is intended to instill in its students and demand of its graduates historical consciousness; those technical skills necessary to research, analyze, and write effectively; and a broad knowledge of the history of the United States and other selected areas of study. The Master of Arts degree provides graduate level preparation appropriate for individuals who plan to teach, to pursue advanced degrees in history, or to follow other career directions which call for analytical and communication skills.

### FACILITIES

An expanding collection of original research materials, located for the most part in the University library, provides the graduate student in history with excellent opportunities for research and study. The Department of History places a strong emphasis on regional, Texas, and Western American history. The emphasis is supported by the accessibility of numerous primary sources in the form of diaries, journals, and memoirs of early settlers and pioneers of the American frontier. The records of Fort Concho also are available and offer promising research potential. Original manuscript sources are complemented by excellent holdings of historical journals and periodicals.

Faculty research activities extend to European, Latin-American, and Asian history, as well as to more general aspects of American history. A good basic collection of primary source materials in American history is available. Study and research in European, Latin-American, and Asian history is supported by library microfilm collections with some emphasis on nineteenth and twentieth-century diplomatic developments in these regions.

The Department of History is housed in the Academic Building.

### THE HISTORY MAJOR

A graduate program in history will be initiated under the direction of the departmental graduate advisor and approved by the Head of the Department of History and the Dean of the College of Graduate Studies.

Two options are available: a program with a thesis and a program without a thesis. Those students who want to enter a doctoral program after completing the M.A. are advised to choose the thesis option.

Applicants for the degree with the thesis option must complete 30 semester credit hours of work beyond the bachelor's degree. Twenty-four semester credit hours in history are required, including History 6373 (Historiography and Research) and History 6699 (Thesis) or History 6399 (Thesis) twice. Up to six semester credit hours may be in approved supporting electives.

Applicants for the degree with the non-thesis option must complete 36 semester credit hours of work beyond the bachelor's degree. Thirty semester credit hours in History are required, including History 6373 (Historiography and Research.) Up to six semester credit hours may be in approved supporting electives. At least six credit hours in history must be in research seminars which will result in the preparation of an original research paper. The graduate advisor will indicate those seminars which fulfill this requirement.

Normally all students will take the four course graduate sequence in United States history. These courses, History 6321, 6323, 6325, and 6327, are offered sequentially over a two year time span. Upon completion of at least 24 hours of course work, students will take an oral and a written examination administered by the history graduate faculty. Degree candidates will be expected to demonstrate a fundamental knowledge across the spectrum of United States history and other specified areas agreed to when formulating their programs.

An oral thesis defense, administered upon completion of the thesis, is required of all students pursuing the thesis option. Satisfactory performance in the defense is required for graduation.

## COURSES IN HISTORY (HIST)

**HIST 6301 Texas History (3-0).** A seminar in selected topics in Texas history.

**HIST 6302 The American West (3-0).** A seminar in topics relating to the frontier experience, the trans-Mississippi West, and the Borderlands.

**HIST 6321 Early American History (3-0).** A seminar in selected topics in American history from 1608 to 1825.

**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 Mid-Nineteenth Century American History (3-0).** A seminar in selected topics in American history from 1825 to 1877.

**HIST 6325 The Gilded Age and the Progressive Era (3-0).** A seminar in selected topics in American history from 1877 to 1919.

**HIST 6327 Modern American History (3-0).** A seminar in selected topics in American history from 1920 to present.

**HIST 6333 Modern European History, 1914 to the Present (3-0).** A seminar in the history of Europe in the twentieth-century with particular emphasis on the impact of the two world wars and the Russian Revolution on the role of European states as world political, economic, and cultural powers.

**HIST 6340 Topics in World History (3-0).** Topics dealing with global interaction during the Nineteenth and Twentieth Centuries. Topics will include imperialism and its demise; the dynamics of modernization and its environmental impact; international cooperation, integration, and conflict; and the integration of the world economy. May be repeated once for credit when topic varies.

**HIST 6350 Topics in Latin-American History (3-0).** A seminar in selected topics covering the history of Latin America from the colonial era to the present. (May be repeated once for credit when the topic varies.)

# History

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**HIST 6364 Topics in United States National Security Policy (3-0).** Topics relating to United States national security interests including foreign policy and military operations and their related domestic political, economic, and social components. Topics will include major foreign wars, the emergence of the United States as a world power, and the Cold War among others. May be repeated once for credit when topic varies.

**HIST 6373 Historiography and Research (3-0).** A 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.

**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 reading and individual research. (May be repeated once for credit. Prior approval of instructor and department head required.)

**HIST 6392 Independent Study.** Directed readings in specialized topics for superior students under the supervision of a graduate faculty member. (May be repeated once for credit when the topic varies. 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.

# Interdisciplinary Studies

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**DEGREES OFFERED:**  
**MASTER OF ARTS WITH A MAJOR IN INTERDISCIPLINARY STUDIES**  
**MASTER OF SCIENCE WITH A MAJOR IN INTERDISCIPLINARY STUDIES**

College of Graduate Studies

Program Advisor: Dean of the College of Graduate Studies

Email: [graduate.school@angelo.edu](mailto:graduate.school@angelo.edu)

Telephone: 325/942-2169

Fax: 325/942-2194

Office: Hardeman Building, Room 100

Web address: [www.angelo.edu](http://www.angelo.edu)

The program leading to the Master of Arts (MA) or Master of Science (MS) degree with a major in Interdisciplinary Studies is designed for the student whose educational needs can best be met by a non-traditional course of study. The MA or MS degree designation will be determined by the department in which the student chooses to take his or her research course. The objective of the program is to provide students with the opportunity to pursue graduate-level studies in multiple disciplines, to upgrade their formal education in their fields of specialization, and to develop broader professional skills. With the exception of Physical Therapy, any of the graduate disciplines at Angelo State University may be selected for one of the concentrations, if the applicant has the appropriate undergraduate background in that discipline. The degree is not a substitute for the traditional master's degree, but it should benefit persons pursuing or planning to pursue careers in business, government, and non-profit organizations in a constantly changing society where new career interests may extend over several traditional specializations.

## ADMISSION REQUIREMENTS

In addition to the general requirements for admission to the College of Graduate Studies listed on page 9, an applicant must submit a written proposal in which the three areas of proposed concentration are identified, give a rationale for choosing this particular grouping of disciplines, and describe how this degree will serve to meet the applicant's goals. It is strongly recommended that the applicant meet with the Dean of the College of Graduate Studies before writing this proposal. Please see the Angelo State University web site for admission formula requirement.

The applicant's dossier will be sent to the program advisor of each of the three concentrations named in the written proposal for a recommendation for admission. No student will be admitted unless all three program advisors so recommend. The advisors will also indicate which of their program's courses are allowable as part of the student's degree plan. The final admission decision rests with the Dean of the College of Graduate Studies.

## DEGREE REQUIREMENTS

The Dean of the College of Graduate Studies will serve as the coordinator for this degree program and will advise all students in the program in accordance with the student's individual goals and the guidelines established by the academic departments. The Dean will assist each student in devising a degree plan before the student enrolls in courses.

The 36 semester credit hour degree plan will include at least 30 semester hours selected from approved courses offered by at least three departments. At least nine semester credit hours must be taken in each of the three departments selected, and a course in research methods must be taken in one of those departments. The other six semester credit hours of the required 36 may include any graduate courses for which the student has sufficient background and may be from any of the three selected disciplines, as long as the number of semester credit hours in any one discipline does not exceed 12.

## **Interdisciplinary Studies**

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### **COMPREHENSIVE EXAM**

An Advisory Committee consisting of the Graduate Dean and the program advisor from each of the three disciplines will administer an oral comprehensive examination during the last long semester of study. Prior to the exam, the student must submit a summative essay of 1000-2000 words in which the student will demonstrate how the particular grouping of disciplines tied together to meet the long term goals of the student, using specific examples from the courses taken. At the oral exam, the student will give an oral report based on the essay. The Advisory Committee will follow up with questions.

## DEGREE OFFERED: MASTER OF SCIENCE IN KINESIOLOGY

College of Education  
Department of Kinesiology  
Department Head: Doyle D. Carter  
Program Advisor: Warren K. Simpson  
Email: warren.simpson@angelo.edu  
Telephone: (325) 942-2173, ext. 237  
FAX: (325) 942-2129  
Office: Center for Human Performance Building, Room 103  
Web Address: www.angelo.edu

**Graduate Faculty:** Allyn Byars, Doyle Carter, Susan Keith, Kathleen Price, Warren Simpson, Steven Snowden

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### 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.

### INSTRUCTIONAL DELIVERY

The MS-Kinesiology degree programs use a web-based mode of instructional delivery. This is not a purely on-line format, but rather a blended format. 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, many relevant student learning outcomes will be addressed via face-to-face instructional sessions at the Angelo State University campus in San Angelo and/or the Texas Tech University Center at Junction. A schedule of times and locations of all class sessions will be published prior to the beginning of each course.

### TECHNICAL REQUIREMENTS

Given the web-based mode of instructional delivery, students are strongly encouraged to access the Internet via a Digital Service Loop (DSL) or cable connection. A "dial-up" connection can be used, but will significantly hinder the speed of access, downloads, and uploads. Given the dynamic nature of computer technology, specific hardware and software requirements are published in the MS-Kinesiology Student Handbook.

### ADMISSION REQUIREMENTS

Refer to page 11 for Admission to the College of Graduate Studies and page 13 for program prerequisite requirements.

## DEPARTMENTAL REQUIREMENTS

The MS-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 thirty-six (36) semester credit hours, 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 (6) 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.
- MS in Kinesiology students may enroll in no more than six (6) 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.
- MS in Kinesiology, Exercise and Sport Administration students may enroll in no more than three (3) 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.
- MS 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

	Hours
Kinesiology Core .....	15
KIN 6391 Research Methods and Techniques	
KIN 6392 Professional Communication	
KIN 6351 Tests and Measurements	
KIN 6373 Practicum	
KIN 6394 Applied Research	
Kinesiology Electives .....	12
Supporting Electives .....	9
Total .....	36

### MASTER OF SCIENCE IN KINESIOLOGY, EXERCISE AND SPORT ADMINISTRATION OPTION

	Hours
Kinesiology Core .....	15
KIN 6391 Research Methods and Techniques	
KIN 6392 Professional Communication	
KIN 6351 Tests and Measurements	
KIN 6373 Practicum	
KIN 6394 Applied Research	
Exercise and Sport Administration Option .....	18
KIN 6310 Seminar in Sport Sociology	
KIN 6322 Administering Special Events and Activities	
KIN 6324 Programming for Special Populations	
KIN 6331 Legal and Ethical Aspects	
KIN 6333 Financial and Facilities Management	
KIN 6335 Leadership Applications	
Supporting Electives .....	3
Total .....	36

# Kinesiology

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## 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.

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\* A maximum of 6 semester credit hours of 5000-level courses may be taken for graduate credit by graduate students, with the approval of the Program Advisor and the Graduate Dean.

**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.

**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.

Prerequisites: 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.

Prerequisite: 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.

Prerequisites: Kinesiology 6391.

**KIN 6393 Research.** Directed reading or individual research. (May be repeated once for credit. Prior approval of instructor and department head required.)

**KIN 6394 Applied Research (3-0).** 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.

# Nursing

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## DEGREE OFFERED: MASTER OF SCIENCE IN NURSING ADVANCED PRACTICE REGISTERED NURSE OPTION OR NURSE EDUCATOR OPTION

College of Nursing and Allied Health  
Department of Nursing  
Department Head: Susan S. Wilkinson  
Program Advisor: Molly J. Walker  
Email: [molly.walker@angelo.edu](mailto:molly.walker@angelo.edu)  
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Office: Vincent Building, Room 232  
Web Address: [www.angelo.edu](http://www.angelo.edu)

**Graduate Faculty:** Kathryn Artnak, Trish Hutchinson, Leslie Mayrand, Martha Sleutel, Molly Walker, Susan Wilkinson

**Specialist Graduate Faculty:** Pamela Darby, Mona Dawson, and Linda Ross.

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### GRADUATE STUDY IN NURSING

The Department of Nursing offers a program leading to the Master of Science in Nursing (MSN) degree with two options: Nurse Educator or Advanced Practice Registered Nurse (APRN).

The Master of Science in Nursing (MSN) program is fully accredited by the Texas Board of Nursing and the National League for Nursing Accrediting Commission (NLNAC).

Texas Board of Nursing  
333 Guadalupe #3-460  
Austin, TX 78701-3944  
Phone: (512) 305-7400  
[www.bon.state.tx.us](http://www.bon.state.tx.us)

National League for Nursing  
Accrediting Commission  
3343 Peachtree NE, Suite 500  
Atlanta, GA 30326  
Phone: (404) 975-5000  
Phone: 1-866-747-9965

The Department of Nursing 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 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 email address on file in the nursing office. Notification of changes to the catalog will be communicated via email, and will only be communicated to a student's university-issued email address.

Graduate nursing students must also be in compliance with the MSN 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 reserves the right to make (upload) changes to these web documents as necessary. Students will be notified of any changes via email.

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.

## MISSION STATEMENT

The Department of Nursing supports the Mission of Angelo State University by offering undergraduate and graduate programs that prepare competent professionals to meet the nursing care needs of a culturally diverse society. Within a dynamic health care environment, these programs facilitate nursing competency through scholarship, research, evidence-based practice, leadership, and service. Recognizing the individual diversity of learners, the department is committed to excellence in nursing education by providing a supportive and caring environment in order to facilitate personal and professional growth, educational mobility, and life-long learning.

## PHILOSOPHY

We, the faculty of the Department of Nursing at Angelo State University, hold true the following beliefs and values as a guide for preparing competent professional nurses to meet the nursing care needs of a culturally diverse society. These beliefs and values are the framework for all faculty activities, including teaching, scholarship, research, practice, leadership and service.

Nursing, as an academic discipline, requires synthesis of knowledge, critical thinking, problem solving, decision-making, individual accountability, technical proficiency and leadership. The art of nursing is the application of this knowledge in caring, culturally sensitive, collaborative and therapeutic partnerships to promote, maintain, or restore health, or achieve a peaceful death. Integration of the art and science of nursing is manifested in the major roles of the nurse. These roles of the nurse are to provide and coordinate evidence-based health care services for individuals, families, groups, communities, or populations in a variety of settings, and to participate as a member of the profession.

The faculty respects recipients of health care as unique beings with biophysical, psychological, and sociocultural needs. Each recipient of health care (individual, family, group, community, or population) has the right and responsibility to participate in making decisions and choices that govern responses to meet these needs.

As health professionals, we believe that health and illness are human experiences existing on a continuum and that they are both contextually and culturally defined. Each individual has a perception of his/her own optimal health. Lifestyle choices, cultural influences, access to health care, and adaptation to internal and external environmental (physical, biological, psychological, social, technical and cultural) stressors influence health.

The faculty believes the health care needs of the community are best served by multiple levels of nursing practice with the purpose of nursing education being to produce competent, safe practitioners at the basic (AASN), general (BSN), and advanced (MSN) levels. Each level of nursing education builds and expands on prior knowledge and competency through programs of study that incorporate the humanities, physical and social sciences as well as nursing theory and traditions.

As nurse educators, the faculty believes the focus of associate degree nursing is directed primarily toward care of the individual (within the context of family) across the life span in various health care settings. As provider of care, the associate degree nurse uses the nursing process, scientific rationale, and current literature to assess, provide, monitor, and evaluate direct patient care with technical proficiency. As coordinator of care, the associate degree nurse functions as a member of an interdisciplinary team. Emphasis is on meeting the needs of recipients of health care requiring assistance to maintain or restore optimum health or to achieve a peaceful death. As a member of the profession, the associate degree nurse assumes responsibility and accountability for practice within legal and ethical parameters. Associate education provides a foundation for baccalaureate study.

We believe the focus of baccalaureate nursing expands to include health promotion with families and individuals as well as communities in a variety of structured and unstructured settings. The baccalaureate nurse utilizes an evidence-based analytical approach to decision-making and problem solving incorporating principles of leadership, collaboration, research, theory and professional practice to provide the highest quality of direct and indirect nursing care. As coordinator of care, the baccalaureate nurse utilizes expanded skills in communication, negotiation, and collaboration in order to assume leadership in an interdisciplinary team. As a member of the profession, the baccalaureate nurse utilizes political and organizational

# Nursing

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processes to advance professional nursing standards. Baccalaureate education prepares graduates to advance to an area of specialized nursing practice.

The Master of Science in Nursing is built upon the foundation of undergraduate nursing educational elements and provides graduate students with a choice of two options of study, Advanced Practice Registered Nurse (APRN) or Nurse Educator. We believe the overall goal of graduate study is to prepare a leader, manager, entrepreneur, and educator capable of assuming advanced roles in a variety of settings. As a member of the profession, the master's-prepared nurse gains knowledge by becoming a participant in the research process, utilizing research findings to enhance outcomes in his/her practice settings. The master's-prepared nurse has a thorough and comprehensive knowledge of the interactive social, political, and economic elements that combine to exert a profound influence on the formation and development of health policy. Course experiences assist students to develop as critical thinkers and ethical decision makers.

Faculty members further believe that a graduate student selecting the program option of Advanced Practice Registered Nurse (APRN) is prepared to be an expert clinician and provider of evidence-based care, advocate for the recipient of health care, and educator with a strong theoretical and research foundation in health promotion, restoration, disease prevention, and maintenance of function. Thus, the APRN is able to assess, diagnose, and plan treatment of common acute and chronic health deviations, and monitor response to therapeutic interventions. As a coordinator of care and with the expertise in the roles of consultant, collaborator, and leader, the APRN develops a longitudinal perspective of recipients of health care (individual, family, group, community and population) across the wellness/illness continuum. Faculty members believe that the graduate student selecting the program option of Nurse Educator is prepared to assume a faculty role in schools of nursing, preparing students to function as providers of care, coordinators of care, and members of a profession.

We believe that learning is a life-long process in which an individual moves from the familiar to the unfamiliar in an environment that initially provides structure and then allows for increasing flexibility and creativity. We further believe that learning is optimized in a caring, participatory, and supportive environment that includes respect for individual diversity, access to resources, and a variety of activities.

Finally, we believe faculty collegiality facilitates and promotes mentoring and pioneering activities in professional nursing. Faculty encourages and supports collaborative endeavors with students in a variety of scholarly activities within a wide range of health care contexts. Through example, facilitation, and scholarship, faculty members strive to model commitment to a lifetime of continuing personal and professional development.

## ADMISSION REQUIREMENTS

In addition to the general requirements for admission to the College of Graduate Studies, applicants for regular admission to the MSN program must file a separate application to the Department of Nursing and meet the criteria listed below:

1. 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.
2. Grade point average (GPA) of 3.00 on a 4.00 scale.\*
3. A basic statistics course (equal to 3 semester credit hours) completed with a grade of "C" or higher.
4. A basic pathophysiology course (equal to 3 semester credit hours) completed with a grade of "C" or higher.
5. A current, unencumbered license to practice as a Registered Nurse in Texas or state where student will engage in clinical experiences.
6. Evidence of inclusion of basic physical assessment content in an undergraduate nursing program or demonstrated proficiency in health assessment.
7. A basic computer literacy course (equal to 3 semester credit hours) or demonstrated proficiency.
8. A satisfactory score on the Graduate Record Examination (GRE) within the past five years.
9. Acceptance to the College of Graduate Studies.

Prior to first clinical course, graduate students must have the following on file in the nursing office:

1. Current CPR (professional level) certification.
2. Evidence of meeting state-mandated immunization requirements.
3. Proof of current health insurance.

## 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:

1. 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.
2. 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.
3. 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.
4. 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.
5. Manual dexterity to use sterile techniques and insert catheters. Prepare and administer medications such as IVs, POs, and IMs.
6. Ability to function safely under stressful conditions, adapting to ever-changing clinical situations involving patient care.

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\* 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.

## SELECTION PROCESS

- A student planning to earn the MSN degree at Angelo State University, must be accepted into the MSN 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 MSN program. As a result, meeting pre-admission requirements does not guarantee admission to the MSN 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), GPA in nursing courses, and GRE scores) will be admitted.
- Students who have been accepted to the College of Graduate Studies, and meet admission criteria for the MSN 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 MSN program are available on the departmental website, and in the Nursing 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: August 1**

**Spring: December 1**

## STANDARDS FOR PROGRESSION IN THE MSN PROGRAM

The following standards must be maintained by each student in order to progress in the MSN program to graduation:

- Compliance with all rules and regulations outlined in the MSN 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 MSN 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: Students should access the departmental website for updates, information on courses, books, course schedules, preceptor/clinical facilities, degree plan applications, and other important items.

[www.angelo.edu/dept/nursing/msn](http://www.angelo.edu/dept/nursing/msn)

**Precepted Clinical Experiences:** A number of MSN 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 MSN Student Handbook for complete information.

## ONLINE LEARNING

While MSN 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).

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 email, 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 email; attach, send and open documents from email 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. Preferably, students should consider having a DSL, or cable internet connection. A "dial-up" connection can be used, but students will experience slower access, and download and upload speeds for course materials. Students taking online courses should have access to a computer that meets the minimum requirements listed in the MSN Student Nursing Handbook, though the suggested system requirements (also outlined in the MSN 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 MSN students attend a MSN online learning orientation held at the beginning of each semester, especially students who have not had previous experience with online learning.

# Nursing

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## DEGREE REQUIREMENTS MASTER OF SCIENCE IN NURSING

### Advanced Practice Registered Nurse Option

#### Required Core Courses (25 semester credit hours)

- NUR 6324 Advanced Pathophysiology
- NUR 6313 Theoretical Foundations of Advanced Nursing
- NUR 6301 Design and Methodologies of Quantitative Research
- NUR 6302 Design and Methodologies of Qualitative Research
- NUR 6331 Advanced Health Assessment
- NUR 6318 Pharmacotherapeutics
- NUR 6317 Advanced Practice Nursing and Health Care Delivery:  
Systems, Policy and Social Change
- NUR 6356 Statistical Analysis in Healthcare Research
- NUR 6103 Professional Scholarship

#### Clinical Specialization (21 semester credit hours)

- NUR 6333 Internship in Advanced Nursing Practice
- NUR 6335 Role Development: The Advanced Practice Nurse
- NUR 6343 Adult Health I: Foundations of Advanced Nursing Care of the Adult
- NUR 6344 Adult Health I: Practicum in Advanced Nursing Care of the Adult
- NUR 6345 Adult Health II: Diagnosis and Management
- NUR 6346 Adult Health II: Practicum in Diagnosis and Management
- NUR 6350 Foundation of Health Promotion for Individuals & Communities

#### Total Semester Hours Required - 46

Students must also pass a comprehensive written exam in order to complete the degree.

Graduates of the APRN track will be eligible to apply to the Texas State Board of Nurse Examiners 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.

### Nurse Educator Option

#### Required Core Courses (25 semester credit hours)

- NUR 6324 Advanced Pathophysiology
- NUR 6313 Theoretical Foundations of Advanced Nursing
- NUR 6301 Design and Methodologies of Quantitative Research
- NUR 6302 Design and Methodologies of Qualitative Research
- NUR 6331 Advanced Health Assessment
- NUR 6318 Pharmacotherapeutics
- NUR 6317 Advanced Practice Nursing and Health Care Delivery
- NUR 6356 Statistical Analysis in Healthcare Research
- NUR 6103 Professional Scholarship

#### Nurse Educator Option Courses (12 semester credit hours)

- NUR 6319 Curriculum Design and Instruction in Nursing Education
- NUR 6306 Teaching Strategies in Nursing Education
- NUR 6307 Evaluation in Nursing Education
- NUR 6308 Practicum in Nursing Education

#### Total Semester Hours Required-MSN Nurse Educator Option: 37

Students must also pass a comprehensive written exam in order to complete the degree.

## **RN-MSN TRACK**

The RN-MSN 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 BSN academic courses (27 credits) and 6 prescribed BSN 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-MSN track could decide to pursue the BSN 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-MSN track are strongly encouraged to contact the graduate advisor as early as possible in their associate degree program.

### **Admission requirements for the RN-MSN track:**

- The student must apply and be accepted into the College of Graduate Studies. A separate application for the RN-MSN 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.
- Grade Point Average (GPA) of 3.00 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.
- A basic statistics course (equivalent to 3 semester credit hours), completed with a grade of "C" or higher.
- A basic computer literacy course (equivalent to 3 semester credit hours), or demonstrated competency.
- A basic pathophysiology course (equal to 3 semester credit hours) completed with a grade of "C" or higher.
- Two professional references regarding aptitude for graduate study.
- One faculty reference regarding aptitude for accelerated RN-MSN track.
- Prior to taking first graduate level nursing course, student must have completed a minimum of 90 undergraduate hours.
- A satisfactory score on the Graduate Record Examination (GRE).
- All other admission requirements for the RN-BSN program, (See Angelo State University's Undergraduate Catalog) and the MSN program, page 95 must also be met.
- The number of openings in the RN-MSN track is limited. Graduate faculty will evaluate each application and admit the most qualified applicants until all positions are filled.

The student enrolled in the RN-MSN track must satisfy Angelo State University's undergraduate and graduate residency rules. The student must complete all prescribed BSN courses (17 SCH) at Angelo State University. A maximum of 9 SCH of MSN course work may be transferred to Angelo State University. Students must also meet Texas Core Curriculum requirements for the BSN degree.

## **CLINICAL NURSE SPECIALIST CERTIFICATE PROGRAM**

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.

# Nursing

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## **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.
- To receive the Clinical Nurse Specialist Certificate, the student must successfully complete the ten 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 MSN Student Handbook.

## **CNS Certificate Courses:**

NUR 6324*	Advanced Pathophysiology
NUR 6318*	Pharmacotherapeutics
NUR 6331*	Advanced Health Assessment

\*May be waived if students have successfully completed equivalent courses in the last five years.

NUR 6333	Internship in Advanced Nursing Practice
NUR 6335	Role of the Advanced Practice Nurse
NUR 6343	Adult Health I
NUR 6344	Adult Health I Practicum
NUR 6345	Adult Health II
NUR 6346	Adult Health II: Practicum
NUR 6350	Foundations of Health Promotion
NUR 6351	Mental Health for APN's (optional)

## **NURSE EDUCATOR CERTIFICATE PROGRAM**

The Department of Nursing 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 MSN 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.

## **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.
- To receive the Nursing Education Certificate, the student must successfully complete the four 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, Nurse Educator option, refer to the MSN Student Handbook.

## **Nurse Educator Certificate Program Courses:**

NUR 6319	Curriculum and Instruction in Nursing Education
NUR 6306	Teaching Strategies in Nursing Education
NUR 6307	Evaluation in Nursing Education
NUR 6308	Practicum in Nursing Education

## REGISTERED NURSING FIRST ASSISTANT (RNFA) CERTIFICATE PROGRAM

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 3 semester credit hour didactic portion and a 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:

NUR 6309	Role of the RNFA
NUR 6401	RNFA Practicum

## Master of Science in Nursing (MSN) Degree in Nurse Practitioner Studies, Jointly offered with Texas Tech University Health Sciences Center (TTUHSC)

TTUHSC School of Nursing and ASU Department of Nursing have developed a collaboration to jointly offer the Master's Degree in Nursing for the Nurse Practitioner specialization in four tracks: Acute Care Nurse Practitioner [ACNP], Family Nurse Practitioner [FNP], Geriatric Nurse Practitioner [GNP], and Pediatric Nurse Practitioner [PNP]. The joint MSN Nurse Practitioner degree program is designed for the degree to be awarded by the TTUHSC in collaboration with ASU. 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 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 graduate faculty member, the student contracts for a clinically-focused scholarly activity which may include, but is not limited to, the following: the development/implementation/publication of a scholarly paper, special project, or grant proposal. Grading will be on a pass/fail basis.

Prerequisites: Nursing 6313, 6301. May be taken concurrently with Nursing 6302.

**NUR 6301 Design and Methodology of Quantitative 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 quantitative research and statistical analysis for use 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.

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**NUR 6302 Design and Methodology of Qualitative Research (3-0-0).** This course introduces students to the theoretical and methodological aspects of qualitative research from a variety of disciplines and philosophical traditions. Students will explore the major competing qualitative research methods, emphasizing assumptions and approaches. The focus is on design, entrée, ethics, data-gathering techniques (interviewing, observing) data recording and management, with an introduction to data analysis.

**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.

Prerequisites: 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).** 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.

Prerequisites: 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.

## **Advanced Practice Registered Nurse 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 6324, 6331, 6318, 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 6331, 6318, 6324

**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 6324, 6331, 6318, 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 6324, 6331, 6318, 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.

Prerequisites: 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.

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**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.

Prerequisites: Nursing 6319, 6306

**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 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.

**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.

## **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 head required.)

# Physical Therapy

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## **DEGREE OFFERED: DOCTOR OF PHYSICAL THERAPY**

College of Nursing and Allied Health  
Department of Physical Therapy  
Department Head: Scott M. Hasson  
Program Advisor: Mark W. Pape  
Email: mark.pape@angelo.edu  
Telephone: (325) 942-2545  
FAX: (325) 942-2548  
Office: Vincent Building, Room 237  
Web Address: [www.angelo.edu/dept/physical\\_therapy](http://www.angelo.edu/dept/physical_therapy)

**Graduate Faculty:** Scott Hasson, You-jou Hung, Mansoo Ko, Carolyn Mason, Shelly Weise.

**Clinical Graduate Faculty:** Lynne Hughes, Harriet Lewis, Mark Pape

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## **GRADUATE STUDY IN PHYSICAL THERAPY**

The Department of Physical Therapy offers a 36-month entry-level, graduate professional program leading to the Doctor of Physical Therapy (DPT) 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 20 students.

This program offers several unique opportunities rarely found elsewhere in other Texas physical therapy programs. The unparalleled Academic Excellence Graduate Scholarship program offers a unique scholarship opportunity to highly qualified students to earn the Doctor of Physical Therapy degree with all tuition and fees 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 Physical Therapy 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. A new multi-purpose classroom and human anatomy lab have also been dedicated to our program.

## **PROGRAM MISSION**

The mission of the Department of Physical Therapy, consistent with Angelo State University, is to provide quality education, research and service and to ultimately improve the functional outcomes/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.

# Physical Therapy

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- 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 Department of Physical Therapy 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.

## ADMISSION REQUIREMENTS

Admission into the physical therapy degree program will be limited to 20 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 3.0 on 4.0 scale.
- Score minimum of 2400 points using the formula: (300 X overall undergraduate GPA or last 60 hours) + GRE Verbal + GRE Quantitative + GRE Analytical Writing Conversion (AWC). Please call the Graduate Studies Office for the GRE AWC conversion.
- Minimum overall grade point average (GPA) of 3.0 on a 4.0 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 Department of Physical Therapy, 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.

# Physical Therapy

## PREREQUISITE COURSES

<b>Discipline</b>	<b>Credit Hours</b>	<b>General Course</b>	<b>ASU Course Number</b>
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	Vertebrate Zoology General Physiology	BIO 4444 or BIO 4423
Chemistry	8 semester hours	General Chemistry	CHEM 1411 & CHEM 1412 (includes labs)
Math	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

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. Students may contact the pre-physical therapy advisor in the ASU Physical Therapy Department.

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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 \$40.00 with check payable to "Angelo State University."

International student's application fee is \$50.00 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. **If the transcript is mailed to you or if you hand-deliver the transcript, it will NOT be considered official and you will have to order another official transcript from that school to be mailed directly to us.** 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      1-800-473-2255      ASU Institution Code: 6644  
Princeton, NJ 08540      Web site: [www.gre.org](http://www.gre.org)

### **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      1-800-468-6335      ASU Institution Code: 6644  
Princeton, NJ 08540      Web site: [www.toefl.org](http://www.toefl.org)\*

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\* International students should visit the College of Graduate Studies website for more information requirements  
([www.angelo.edu/dept/grad\\_school/documents/international\\_statement.pdf](http://www.angelo.edu/dept/grad_school/documents/international_statement.pdf))

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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 Department before Stage II can begin.

## **Criteria for Stage II:**

Once the \$25.00 Physical Therapy processing fee has been received from the applicant by the Physical Therapy Department, the Physical Therapy Admissions Committee will review the applicant's file. Qualified applicants will be called regarding an interview. Up to 20 individuals will be recommended to the Dean of the College of Graduate Studies for admission into the DPT 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:

- a. Health insurance,
- b. Physical examination and up-to-date shot record,
- c. Professional CPR certification,
- d. Basic first aid certification,
- e. Criminal background check.

## **STANDARDS FOR CONTINUATION IN THE PHYSICAL THERAPY PROGRAM**

1. Successful completion at mastery level of each physical therapy course.
2. An overall grade point average of 3.00 or better on the 4.00 scale must be maintained.
3. 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.
4. Each student physical therapist must demonstrate safe performance in the classroom, laboratory, and clinical setting at all times.
5. 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.
6. 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 Head of the Department of Physical Therapy.

## **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.

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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 DPT program at any time upon recommendation of the PT Department Academic Committee to the Head of the Physical Therapy Department. A student removed from a clinical course under these provisions will be given a failing grade at the time the decision is made.

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 and required immunizations 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 Department of Physical Therapy.

## **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 buildings, the Department of Physical Therapy 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 Department of Nursing. 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
- PT 7311 (2-2-0) Clinical Exercise Physiology
- PT 7412 (3-1-0) Neuroscience

#### **2nd Term Fall - 16 Semester Credit Hours**

- PT 7320 (3-0-0) Foundation in Clinical Pathology
- PT 7550 (4-3-0) Fundamentals of Physical Therapist Examination
- PT 7330 (3-1-0) Biomechanical Relationships
- PT 7331 (3-1-0) Motor Control and Clinical Application
- PT 7240 (2-0-0) Evidence Based Practice in PT

#### **3rd Term Spring - 15 Semester Credit Hours**

- PT 7651 (3-9-0) Acute Care Management
- PT 7221 (2-0-0) Cardiopulmonary Pathology
- PT 7232 (2-0-0) Foundation for Systems Review
- PT 7241 (2-0-0) Clinical Research for Physical Therapy
- PT 7322 (3-0-0) Musculoskeletal Pathology

### **YEAR II**

#### **4th Term Summer - 6 Semester Credit Hours**

- PT 7260 (2-0-0) Introduction to Clinical Education and Professionalism
- PT 7233 (2-0-0) Health Care Issues for PTs
- PT 7234 (2-0-0) Education and Communication for Physical Therapy

#### **5th Term Fall - 9 Semester Credit Hours**

- **1st 8 weeks**  
PT 7261 (0-0-6) Acute Care Practicum
- **Last 7 weeks**  
PT 7242 (2-0-0) Evidence-Based Practice Seminar I  
PT 7352 (2-2-0) Therapeutic Exercise and Physical Agents  
PT 7235 (2-0-0) Disability Studies

#### **6th Term Spring - 12 Semester Credit Hours**

- PT 7653 (4-6-0) Musculoskeletal Examination and Management
- PT 7323 (3-0-0) Neuromuscular Pathology
- PT 7336 (3-0-0) Management of Physical Therapy
- PT 7270 (1-3-0) Mechanical Diagnosis and Therapy for the Lumbar Spine (Elective)

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## YEAR III

### 7th Term Summer - 4 Semester Credit Hours

- **1st week**  
PT 7271 (1-3-0) Mechanical Diagnosis and Therapy for the Cervical and Thoracic Spine (Elective)
- **Last 10 weeks**  
PT 7462 (0-0-12) Musculoskeletal Practicum

### 8th Term Fall - 14 Semester Credit Hours

- PT 7354 (2-3-0) Essentials of Rehabilitation Practice
- PT 7655 (4-6-0) Neuromuscular Examination and Management
- PT 7243 (2-0-0) Evidence-Based Practice Seminar II
- PT 7337 (3-0-0) Operational Management of Physical Therapy

### 9th Term Spring - 9 Semester Credit Hours

- **1st 12 weeks**  
PT 7663 (0-0-18) Neuromuscular Practicum
- **Last 3 weeks**  
PT 7344 (3-0-0) Evidence-Based Practice Seminar III

## 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.

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**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.

**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.

**PT 7270 Mechanical Diagnosis and Therapy for the Lumbar Spine (1-3-0).** This elective course is an application of mechanical diagnosis and therapy principles to patients with lumbar spine problems by categorizing into appropriate syndromes, designing specific intervention programs and managing recovery of function and prophylaxis.

**PT 7271 Mechanical Diagnosis and Therapy for the Cervical and Thoracic Spine (1-3-0).** This elective course is an application of mechanical diagnosis and therapy principles to patients with cervical and thoracic spine problems by categorizing into appropriate syndromes, designing specific intervention programs and managing recovery of function and prophylaxis.

# Physical Therapy

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**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.

**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 PT 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.

# Physical Therapy

**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.

**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.

**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.

# Psychology

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## DEGREES OFFERED: MASTER OF SCIENCE IN APPLIED PSYCHOLOGY, COUNSELING PSYCHOLOGY AND INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY

College of Liberal and Fine Arts  
Department of Psychology, Sociology, and Social Work  
Department Head: William B. Davidson  
Program Advisors: James N. Forbes, Kraig L. Shell, Sangeeta Singg  
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Telephone: (325) 942-2068, ext. 248  
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Web Address: [www.angelo.edu](http://www.angelo.edu)

**Graduate Faculty:** Joel Carr, William Davidson, James Forbes, William Fuller, William Montgomery, Robert Mowrer, Kraig Schell, Sangeeta Singg

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### GRADUATE STUDY IN 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 counseling, 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 Head of the Department and the Dean of the College of Graduate Studies.

The graduate programs in psychology are designed to meet the needs of:

1. Students preparing for professional careers in applied psychology, counseling psychology, or industrial-organizational psychology.
2. Students preparing for careers in professional counseling as licensed professional counselors or as licensed psychological associates.
3. Students preparing for advanced graduate studies in psychology.
4. 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 counseling, 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.

## MASTER OF SCIENCE

The Master of Science degree is offered in three program areas.

### Master of Science in Applied Psychology

**Thesis or Non-Thesis Option (36 semester credit hours):** The student must complete a minimum of 30 semester credit hours of graduate-level work in psychology and six additional semester credit hours 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.

### Master of Science in Counseling Psychology

1. **Thesis Option (48 semester credit hours):** The student must complete a minimum of 48 semester credit hours 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.
2. **Non-Thesis Option (48 semester credit hours):** The student must complete a minimum of 48 semester credit hours 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.

### Master of Science in Industrial-Organizational Psychology

**Thesis or Non-Thesis (42 semester credit hours):** The student must complete a minimum of 33 semester credit hour of psychology course work and nine additional semester credit hours of graduate-level work in psychology or supportive electives. The psychology courses must include 6313; one course from 6303, 6311, 6341, six courses from 6350, 6352, 6353, 6354, 6355, 6356, 6357, 6358; 6359, 6360, 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 12 credit hours, at least three of which must be in psychology, are unspecified but must be approved by the graduate advisor.

# Psychology

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## 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 PSY 4325 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: Permission of graduate advisor and dean.

\* **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: Psychology 2301. 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 PSY 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.

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\* A maximum of 6 semester credit hours of 5000-level courses may be taken for graduate credit by graduate students, with the approval of the Program Advisor and the Graduate Dean.

**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.

**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 Individual Counseling (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).** The use of behavioral science methods in studying economic behavior, focuses on contributing solutions to individual and societal problems.

**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 adaption, 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.

Prerequisites: PSY 6322.

# Psychology

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**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.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

**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.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

**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.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

**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.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

**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.

Prerequisite/Corequisite: 6 graduate semester credit hours from Psychology 6350, 6351, 6352, 6353, 6355.

**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.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

**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.

Prerequisite: Psychology 6352.

**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.

Prerequisite: PSY 6350.

**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.

Prerequisite: Psychology 6313.

**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.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

**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.

Prerequisite: 18 semester credit hours in graduate psychology and permission of instructor.

**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).

Prerequisite: 9 graduate semester credit hours from Psychology 6350, 6351, 6352, 6353, 6354, 6355, 6356, 6357, 6358.

**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.

# Public Administration

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## DEGREE OFFERED: MASTER OF PUBLIC ADMINISTRATION

College of Liberal and Fine Arts  
Department of Government  
Department Head: Edward C. Olson  
Program Advisor: John N. Barbour  
Email: jack.barbour@angelo.edu  
Telephone: (325) 942-2262, ext. 282  
FAX: (325) 942-2307  
Office: Rassman Building, Room 215  
Web Address: www.angelo.edu

**Graduate Faculty:** John Barbour, Roberto Garza, Lawrence Jones, Edward Olson

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### GRADUATE STUDY IN GOVERNMENT

The Department of Government offers graduate course work leading to the Master of Public Administration degree (MPA). The MPA 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 MPA 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 MPA 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 Government.

The Department of Government 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:

#### 1. Required Core Courses:

American Political Process (Government 6302)  
Urban Politics (Government 6321)  
Government and American Business (Government 6322)  
Administrative Methodology (Government 6324)  
Administrative Theory and Politics (Government 6327)  
Public Personnel Management (Government 6328)  
Governmental Finance (Government 6329)  
Application of Administrative Methods (Government 6330)

#### 2. Electives:

Nine semester credit hours (three courses) of electives must be chosen with the advice and approval of the Graduate Advisor.

#### 3. Internship:

All students must complete an internship (Government 6371) or an in-service research paper (for mid-career students).

# Public Administration

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All students, usually prior to commencement of the internship, must successfully pass a comprehensive exam that, in consultation with the MPA advisor, may include written, oral, or both written and oral components.

## COURSES IN GOVERNMENT (GOVT)

**GOVT 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.

**GOVT 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.

**GOVT 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.)

**GOVT 6324 Administrative Methodology (3-0).** A study of research methods used to examine decisions and policy in the public sector.

**GOVT 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.

**GOVT 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.

**GOVT 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.

**GOVT 6330 Application of Administrative Methods (3-0).** An application of research methods used to examine decisions and policy in the public sector.  
Prerequisite: Government 6324

**GOVT 6371 Public Administration Internship (3-0).** 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.

**GOVT 6381 Special Topics (3-0).** A seminar in selected topics in government. (May be repeated once for credit when topic varies.)

**GOVT 6391 Research (3-0).** Directed reading or individual research. (May be repeated once for credit.)

# Reading Specialist

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## DEGREE OFFERED: MASTER OF EDUCATION CERTIFICATE: MASTER READING TEACHER

College of Education  
Department of Teacher Education  
Department Head: Linda N. Lucksinger  
Program Advisor: Ann T. Bullion-Mears  
E-mail: ann.bullion-mears@angelo.edu  
Telephone: 325/942-2052 x254  
Fax: 325/942-2039  
Office: Carr Building #114  
Web: angelo.edu/dept/education

**Graduate Faculty:** Marcia Broughton, Ann Bullion-Mears, Marilyn Eisenwine, Richard Evans, Judith Hakes, Cheryl Hines, Linda Lucksinger, Leeann Moore, Mary Sanders

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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.

Applicants must hold a Texas Teacher Certificate or its equivalent. The MEd in Reading Specialist prepares the student to apply to the State Board for Educator Certification (SBEC) for certification as a reading specialist. 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. The Master Reading Teacher requires three years of teaching experience.

### DEGREE REQUIREMENTS

#### MASTER OF EDUCATION—READING SPECIALIST

<b>Foundation Courses</b> .....	<b>SCH</b>
ED 6310 .....	3
ED 6322 .....	3
ED 6331 .....	3
ED 6351 .....	3
ED 6391* .....	3

\* ED 6391 Research is a prerequisite for all graduate courses in this program.

#### Specialization Courses

ED 6305 .....	3
ED 6307 .....	3
ED 6308 .....	3
ED 6309 .....	3
ED 6312 .....	3

#### Support Courses

ED 6300 .....	3
ED 6379 .....	3

**Total SCH for Master of Education as Reading Specialist** ..... **36**

## MASTER READING TEACHER CERTIFICATION

ED 6391 Research is a prerequisite for all graduate courses in this program.

Individuals seeking to fulfill the Master Reading Teacher Certificate (MRT) must hold a valid Texas Teacher Certificate; complete the courses listed below, and receive a passing score on the Master Reading Teacher TExES. With regular admission to the graduate program, these courses can be applied to the Reading Specialist degree.

### Master Reading Teacher Courses

ED 6305	.....	3
ED 6307	.....	3
ED 6308	.....	3
ED 6379	.....	3

**Total SCH for Master Reading Teacher Certification** .....12

## ADDITIONAL POST MASTER'S CERTIFICATES

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.

## COURSES IN EDUCATION (ED)

**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 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.

## Reading Specialist

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**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 Applications 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 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 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 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.)

NOTE: Other College of Education courses may be found in the Educational Diagnostics, Guidance and Counseling, School Administration, and Student Development and Leadership sections.

# School Administration

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**DEGREE OFFERED: MASTER OF EDUCATION  
POST MASTER'S CERTIFICATION: SCHOOL ADMINISTRATION  
(PRINCIPAL), SUPERINTENDENCY**

College of Education  
Department of Curriculum and Instruction  
Department Head: James A. Summerlin  
Program Advisor: Lu Anna M. Stephens  
E-mail: Lu.Stephens@angelo.edu  
Telephone: 325/942-2647 x266; 325/942-2647 x240  
Fax: 325/942-2039  
Office: Carr Building #140  
Web: angelo.edu/dept/education

**Graduate Faculty:** Kim Livengood, Mary McGlamery, John Miazga, Lu Stephens, James Summerlin, David Tarver, Alaric Williams

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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.

## DEGREE PROGRAM REQUIREMENTS

### MASTER OF EDUCATION—SCHOOL ADMINISTRATION (PRINCIPAL)

<b>Foundation Courses</b> .....	<b>SCH</b>
CI 6310 .....	3
CI 6322 .....	3
CI 6327 .....	3
CI 6331 .....	3
CI 6351 .....	3
CI 6391 .....	3

Applicants must hold a Texas Teacher Certificate or its equivalent. The MEd 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.

# School Administration

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## Specialization Courses

CI 6313 .....	3
CI 6315 .....	3
CI 6371 .....	3
CI 6372 .....	3
CI 6373 .....	3
CI 6374 .....	3

## Internship Course

CI 6319* .....	3
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## Total SCH for Master of Education in

School Administration (Principal) .....	39
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\* Application for the internship course must be made at least one semester in advance.

## POST MASTER'S CERTIFICATION REQUIREMENTS

### 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. To be recommended for certification, the applicant must hold a Texas teaching certificate, an ILD certificate, a PDAS 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. A minimum of 15 semester credit hours is required.

### Specialization Courses .....SCH

CI 6315 .....	3
CI 6372 .....	3
CI 6371 .....	3
CI 6373 .....	3
CI 6319 .....	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 the Principal's Certificate or its equivalent. 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, individuals must receive a passing score on the Superintendent TExES.

### Specialization Courses .....SCH

CI 6383 .....	3
CI 6384 .....	3
CI 6385 .....	3
CI 6386 .....	3
CI 6388 .....	3

### Total SCH for Superintendent Certification .....15

## ADDITIONAL POST-MASTER'S CERTIFICATES

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.

## 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, field based (3-0).** Designed to provide a field experience in school administration with emphasis on instructional leadership at different grade levels, public relations, personnel administration, and business management. Special seminars on selected topics, cooperatively designed by graduate advisor and public school administration, will be required. Grading will be either pass or fail. 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: Permission of Graduate Advisor.

**CI 6322 Technology Applications 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.

**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 6357 School Based Leadership (3-0).** An exploration of leadership strategies, techniques, and functions focusing on staff development, curriculum organization, and instructional program management.

# School Administration

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A major field project in leadership is required. 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 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.

**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  
Prerequisite: 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.  
Prerequisite: 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.  
Prerequisite: 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.  
Prerequisite: 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.  
Prerequisite: 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.

NOTE: Other College of Education courses may be found in the Educational Diagnostics, Guidance and Counseling, Reading Specialist, and Student Development and Leadership sections.

# Student Development/Leadership in Higher Education

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## DEGREE OFFERED: MASTER OF EDUCATION

College of Education  
Department of Curriculum and Instruction  
Department Head: James A. Summerlin  
Program Advisor: Alaric A. Williams  
E-mail: Alaric.Williams@angelo.edu  
Telephone: 325/942-2647  
Fax: 325/942-2039  
Office: Carr Building #127  
Web: angelo.edu/dept/education

**Graduate Faculty:** Kim Livengood, Mary McGlamery, John Miazga, Lu Stephens, James Summerlin, David Tarver, Alaric Williams

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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.

### MASTER OF EDUCATION— STUDENT DEVELOPMENT AND LEADERSHIP IN HIGHER EDUCATION

	<b>SCH</b>
CI 6334 .....	3
CI 6335 .....	3
CI 6336 .....	3
CI 6337 .....	3
CI 6338 .....	3
CI 6339 .....	3
CI 6340 .....	3
CI 6327 .....	3
CI 6347 .....	3
CI 6354 .....	3
CI 6359 .....	3
CI 6360* .....	3

**Total SCH 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/Leadership in Higher Education

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## 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 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, 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.

**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 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.

## **Student Development/Leadership in Higher Education**

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**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.)

NOTE: Other College of Education courses may be found in the Educational Diagnostics, Guidance and Counseling, Reading Specialist, and School Administration sections.

# Center for International Studies

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**Director: Sharynn M. Tomlin, Ph.D.**

**Office: Rassman Bldg., Room 101**

**Telephone: 325/942-2083**

**FAX: 325/942-2084**

## Center for International Studies

Angelo State University 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, English Language Learners 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.

### 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 Costa Rica, France, Germany, Italy, Greece, Mexico, 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, United Kingdom, and Russia, 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.

### International Students and Scholars Services

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.

#### **I. INTERNATIONAL 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 of Eligibility, will be issued when all admission requirements have been met and the following items are on file in the Office of Admissions:

- a. Application for Admission\* with mandatory non-refundable \$50 application fee (international money order payable in U.S. dollars).
- b. Official transcript of previous academic records.
- c. A score of 550 (paper-based) or 213 (computer-based) or 79 (internet-based) on the Test of English as a Foreign Language (TOEFL) and a score of 17 or higher on the English section of the Enhanced American College Test (ACT) or a score of 430 or higher on the verbal section of the Scholastic Assessment Test I (SAT I).

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\* An Application for Admission form may be obtained by accessing the University's web page at [www.angelo.edu](http://www.angelo.edu).

# Center for International Studies

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- d. Supplemental Information Form for international applicants.
- e. 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.
- f. Residency Questionnaire.
- g. Housing Application (including U.S. \$100 deposit) and approval.

An international applicant must have all of these items on file in the Office of Admissions 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.

International students are subject to the same special requirements regarding satisfactory writing, reading, and mathematics skills as imposed on high school graduates or transfer students based upon their scores on their ACT or SAT I exams and the requirements established by the Texas Success Initiative (TSI).\*

## 2. 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 are required to purchase the Group Hospitalization, Medical U.S. Evacuation, and Repatriation Insurance plan provided through the University for each semester enrolled. The cost of such insurance is available upon request from the Center for International Studies. International students who fail to purchase this insurance by the first class day of each semester enrolled will be withdrawn from the University. Further information regarding insurance coverage may be obtained from the University's International Student Services Counselor.

### 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 web-site at <http://www.angelo.edu/dept/interedu>

### 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.

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\* See the Undergraduate Catalog regarding TSI requirements.

# Departments Offering Courses for Graduate Credit

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## Department of Chemistry and Biochemistry

Professor and Head: John J. Osterhout  
Graduate Faculty: Ross C. Dawkins and Nick E. Flynn

### GRADUATE STUDY IN 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 CHEM 4331 but requires additional readings, papers, discussions, and/or presentations for graduate students.

Prerequisite: 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.

Prerequisite: 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 2332 or concurrent registration. Chemistry 4331 is recommended. Permission of Graduate Advisor and Graduate Dean.

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\* Up to 12 semester credit hours of approved 5000-level chemistry courses may be taken for graduate credit by graduate students, with the written permission of the Head 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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\* **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.

Prerequisite: 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.)

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- \* Up to 12 semester credit hours of approved 5000-level chemistry courses may be taken for graduate credit by graduate students, with the written permission of the Head 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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### **Department of Modern Languages**

Graduate Faculty: Elisabeth-Christine Muelsch

#### **ENGLISH AS A SECOND LANGUAGE (ESL)**

Interested students should consult with the Head of the Department of Modern Languages when considering preparation in the area of ESL.

#### **COURSE 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.

**Board of Regents**  
**Texas Tech University System**

**Officers**

Larry K. Anders, Chair  
Jerry E. Turner, Vice Chair

**Regents**

*Term Expires January 31, 2015*

John Huffaker .....Amarillo  
Mickey L. Long .....Midland  
Nancy R. Neal .....Lubbock

*Term Expires January 31, 2013*

L. Frederick "Rick" Francis .....El Paso  
John F. Scovell .....Dallas  
Jerry E. Turner .....Blanco

*Term Expires January 31, 2011*

Larry K. Anders .....Dallas  
Mark Griffin .....Lubbock  
Daniel "Dan" T. Serna .....Arlington

*Term Expires May 31, 2009*

**Student Regent**

Kelli Stumbo .....Lubbock

# College of Graduate Studies

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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

**Brian J. May, Ph.D.**, Dean of the College of Graduate Studies

**Bonnie B. Amos, Ph.D.**, Professor of Biology

**John N. Barbour, Ph.D.**, Professor of Government

**Ann T. Bullion-Mears, Ph.D.**, Associate Professor of Teacher Education

**Doyle D. Carter, Ed.D.**, Associate Professor of Kinesiology and Head of the Department

**Mary Ellen Hartje, Ph.D.**, Professor of English

**Shirley M. Eoff, Ph.D.**, Professor of History and Director of Honors Program

**James N. Forbes, Ph.D.**, Associate Professor of Psychology

**M. Cheryl Hines, Ed.D.**, Professor of Teacher Education

**Lana G. Marlow, Ph.D.**, Assistant Professor of Communication

**Mark W. Pape, M.S.**, Assistant Clinical Professor in Physical Therapy

**William E. Renforth, D.B.A.**, Professor of Marketing

**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

**Sangeeta Singg, Ph.D.**, Professor of Psychology

**Lu Anna Stephens, Ph.D.**, Assistant Professor of Curriculum and Instruction

**James A. Summerlin, Ph.D.**, Associate Professor of Curriculum and Instruction and Head of the Department

**Norman A. Sunderman, D.M.A.**, Professor of Accounting

**David J. Tarver, Ed.D.**, Associate Professor of Curriculum and Instruction

**Molly J. Walker Ph.D.**, Associate Professor of Nursing

### EX OFFICIO MEMBER:

**James M. Limbaugh Ph.D.**, Interim Provost and Vice President for Academic and Student Affairs.

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.

## 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 2009-2010

(Date) indicates date of hire

**Nancy G. Allen (1984)**

Ph.D., M.A., Texas Tech University  
B.S., University of Texas at El Paso

**Professor of English and  
Vice Provost**

Specialization: Composition

**Loren K. Ammerman (2002)**

Ph.D., University of Texas at Austin  
B.S., Texas A&M University

**Associate Professor of Biology**

Specialization: Molecular Systematics

**Bonnie B. Amos (1987)**

Ph.D., University of Oklahoma  
M.S., B.S., Angelo State University

**Professor of Biology**

Specialization: Botany

**Kathryn E. Artnak (1995)**

Ph.D., University of Texas Health Science Center  
at San Antonio  
M.S.N., Catholic University of America  
B.S.N., Ball State University

**Associate Professor of Nursing**

Specialization: Clinical Ethics; Cardiovascular Nursing

**Tom F. Badgett (1988)**

D.B.A., Indiana University  
M.B.A., B.B.A., Texas Christian University

**Professor of Marketing and Head of the  
Department of Management and Marketing**

Specialization: Logistics

**Thomas A. Bankston (1974)**

Ph.D., University of Florida  
M.B.A., B.B.A., University of Texas at Austin

**Professor of Finance and Head of  
the Department of Accounting, Economics  
and Finance**

Specialization: Finance

**John N. Barbour (1990)**

Ph.D., University of California at Santa Barbara  
M.A., B.S., San Jose State University

**Professor of Government**

Specialization: Public Administration

**David L. Bixler (1998)**

Ph.D., M.A., Rice University  
B.S., Tarleton State University

**Associate Professor of Physics**

Specialization: Atomic, Molecular and Optical Physics

**Jeffrey G. Boone (1999)**

Ph.D., University of Tennessee  
M.A., Texas Tech University  
B. S., Murray State University

**Associate Professor of Journalism**

Specialization: Mass Communications,  
Communication Research Methods

# College of Graduate Studies

---

**Kirk W. Braden (2008)**

Ph.D., Auburn University  
M.S., B.S., Texas Tech University

**Assistant Professor of Animal Science and  
Research Scientist at the Management,  
Instruction and Research Center**

Specialization: Food Science

**Loree A. Branham (2007)**

Ph.D., Texas Tech University  
M.S., B.S., Angelo State University

**Assistant Professor of Animal Science and  
Research Scientist at the Management  
Instruction and Research Center**

Specialization: Food Safety

**Marcia L. Broughton (2002)**

Ph.D., Colorado State University  
M.A., Washington State University  
B.A., St. Olaf College

**Associate Professor of Teacher Education and  
NCATE Coordinator**

Specialization: Early Childhood Education

**Ann T. Bullion-Mears (2002)**

Ph.D., Texas Woman's University  
M.Ed., Angelo State University  
A.M., Stanford University  
B.A., University of Texas at Austin

**Associate Professor of Teacher Education**

Specialization: Reading

**Michael W. Butler (2001)**

Ph.D., University of Arkansas  
M.S., B.S., Fort Hays State University

**Professor of Economics**

Specialization: Economic Theory

**Allyn Byars (2005)**

Ph.D., University of Mississippi  
M.S.Ed., Baylor University  
B.A., Henderson State University

**Associate Professor of Kinesiology**

Specialization: Exercise Physiology Research

**Joel L. Carr (2006)**

Ph.D., University of North Texas  
M.S.W., Louisiana State University and A&M College  
B.A., Louisiana Tech University

**Assistant Professor of Social Work and  
Social Work Program Director**

Specialization: Clinical Social Work/Counseling

**Doyle D. Carter (2006)**

Ed.D., Texas A&M University - Commerce  
M.Ed., Sul Ross State University  
B.B.A., Angelo State University

**Associate Professor of Kinesiology and  
Head of the Department**

Specialization: Health and Physical Education

**Sudhir K. Chawla (1989)**

Ph.D., M.B.A., University of Texas at Arlington  
Ph.D., National University of Ireland  
M.S., B.S., University of Bombay

**Professor of Marketing and  
Frank Junell Professorship in Business**

Specialization: Marketing Management

**Donald V. Coers (2000)**

Ph.D., Texas A&M University  
M.A., B.A., University of Texas at Austin

**Professor of English**

Specialization: Steinbeck

**Terence A. Dalrymple (1979)**

Ph.D., Oklahoma State University  
M.A., B.A., Southwest Texas State University

**Professor of English and  
John S. Cargile University Professorship**

Specialization: Creative Writing

# College of Graduate Studies

---

**William B. Davidson (1993)**

Ph.D., University of Texas at Austin  
B.A., Trinity University

**Professor of Psychology and  
Head of the Department of  
Psychology, Sociology and Social Work**

Specialization: Social and Personality Psychology

**Ross C. Dawkins (1970)**

Ph.D., University of Texas at Austin  
B.S., Abilene Christian College

**Professor of Chemistry**

Specialization: Biochemistry

**Michael D. DeCelles (2004)**

Ph.D., University of Oklahoma  
B.S., University of Missouri-Kansas City

**Associate Professor of Accounting**

Specialization: Financial Accounting

**Arnoldo DeLeon (1973)**

Ph.D., M.A., Texas Christian University  
B.A., Angelo State University

**Professor of History and  
C.J. "Red" Davidson University  
Professorship**

Specialization: Latin-American History

**David P. Dewar (2007)**

Ph.D., University of Kansas  
M.A., Northeastern Illinois University  
B.S., Northern Illinois University

**Assistant Professor of History**

Specialization: Colonial American History

**Carol B. Diminnie (1996)**

Ph.D., B.S., St. Louis University  
M.S., Michigan State University  
M.B.A., St. Bonaventure University

**Professor of Management**

Specialization: Management Science

**Michael T. Dixon (2003)**

Ph.D., University of Texas at Austin  
B.A., Miami University of Ohio

**Assistant Professor of Biology**

Specialization: Vertebrate Ecology and Systematics

**Robert C. Dowler (1988)**

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. Tippett  
University Professorship**

Specialization: Vertebrate Systematics and Mammalogy

**Gloria A. Duarte (1977)**

Ph.D., Texas Tech University  
M.A.T., Angelo State University  
B.A., Southwest Texas State University

**Professor of English and  
Director of First Year Experience**

Specialization: Modern British Literature

**Marilyn J. Eisenwine (2000)**

Ph.D., University of Texas at Austin  
M.Ed., B.S.Ed., Texas Tech University

**Associate Professor of Teacher Education**

Specialization: Early Childhood Education, Reading

**J. Christopher Ellery (1990)**

Ph.D., Texas A&M University  
M.A., University of Arkansas  
B.F.A., Arkansas Tech University

**Professor of English**

Specialization: Drama, American Literature, Creative Writing

**Gilbert R. Engdahl (1976)**

Ph.D., M.S., B.S., Texas A&M University

**Professor of Animal Science,  
Head of the Department of  
Agriculture, and Director of the  
Management, Instruction, and Research Center**

Specialization: Animal Nutrition

# College of Graduate Studies

---

**Shirley M. Eoff (1981)**

Ph.D., Texas Tech University  
M.A., Hardin Simmons University  
B.A., Howard Payne University

**Professor of History and  
Director of the Honors Program**

Specialization: British History

**Nick E. Flynn (1998)**

Ph.D., B.S., Texas A&M University

**Associate Professor of Biochemistry**

Specialization: Biochemistry

**James N. Forbes (1996)**

Ph.D., M.S., University of Florida  
B.A., B.S., University of Washington

**Associate Professor of Psychology**

Specialization: Developmental Psychology

**William Fuller (1987)**

Ed.D., University of Northern Colorado  
M.S.S.W., University of Texas at Arlington  
B.A., Paul Quinn College

**Assistant Professor of Psychology**

Specialization: Social Psychology, Abnormal Behavior

**Roberto M. Garza (1988)**

Ph.D., M.A., Purdue University  
J.D., The George Washington University  
B.A., University of Denver

**Associate Professor of Government**

Specialization: International Relations,  
Comparative Politics

**Julie D. Gates (2002)**

Ph.D., University of South Carolina  
M.A., University of Charleston  
B.A., University of West Florida

**Associate Professor of English**

Specialization: Composition and Rhetoric

**Corbett F. Gauden (2007)**

Ph.D., Louisiana State University  
M.B.A., Northeast Louisiana University  
B.S., Southeastern Louisiana University

**Professor of Marketing, Dean  
of the College of Business**

Specialization: Marketing

**Judith A. Hakes (1985)**

Ph.D., University of Colorado  
M.A., B.A., University of Northern Colorado

**Professor of Teacher Education**

Specialization: Elementary Education

**Mark L. Hama (2001)**

Ph.D., M.A., Tulane University  
B.A., University of Texas at Austin

**Associate Professor of English**

Specialization: Late 19th and 20th Century British Literature

**Mary Ellen Hartje (1992)**

Ph.D., B.A., Baylor University  
M.A.T., Angelo State University

**Professor of English**

Specialization: Modern British Literature

**Scott M. Hasson (2007)**

Ed.D., University of Northern Colorado  
M.A., California State University, Fresno  
B.S., University of Texas Medical Branch  
B.S., California State University, Fresno

**Professor of Physical Therapy and Head of the  
Department and Director  
of the Physical Therapy Program**

Specialization: Physical Therapy

**E. James Hindman (1995)**

Ph.D., M.A., B.A., Texas Tech University

**Professor of History**

Specialization: 20th Century U.S. History,  
U.S. Diplomatic History

**M. Cheryl Hines (1999)**

Ed.D., Texas A&M University  
M.Ed., B.S., Angelo State University

**Professor of Teacher Education**

Specialization: Reading

# College of Graduate Studies

---

**Sierra S. Howry (2008)**

Ph.D., M.S., Oklahoma State University  
B.S., East Central University

**Assistant Professor of Animal Science and  
Research Scientist at the Management,  
Instruction and Research Center**

Specialization: Agricultural Economics

**Jamal G. Husein (2002)**

Ph.D., Utah State University  
M.B.A., University of New Haven  
B.S., Yarmouk University

**Associate Professor of Economics**

Specialization: Applied Economics,  
Economic Development and Growth

**Patricia L. Hutchinson (1996)**

Ed.D., University of Georgia  
M.Ed., B.S., Western Carolina University

**Associate Professor of Nursing**

Specialization: Exercise Physiology, Statistics

**Cathy Johnson (1999)**

Ph.D., University of North Texas  
M.A., Assemblies of God Theological Seminary  
B.A., Southwestern Assemblies of God University

**Associate Professor of Journalism and  
Ram Page Advisor**

Specialization: Communication Technology

**Crosby W. Jones, Jr. (1978)**

Ph.D., M.S., B.S., Oklahoma State University

**Professor of Biology**

Specialization: Microbiology

**Laurence F. Jones (1990)**

Ph.D., University of Texas at Arlington  
M.P.A., University of Oklahoma  
B.S., Regis College

**Professor of Government**

Specialization: Public Administration, Urban Politics

**Sahit M. Kara (2000)**

Ph.D., M.A., Texas Tech University  
M.S., Georgia State University  
B.A., Karadeniz Tech University

**Associate Professor of Economics and  
Johnny Fender Fellowship in  
Community Economic Development**

Specialization: Financial, Managerial, and Labor Economics

**Susan E. Keith (1997)**

Ph.D., Texas Woman's University  
M.S.Ed., Baylor University  
B.S., University of Central Oklahoma

**Associate Professor of Kinesiology**

Specialization: Health Education, Kinesiology

**Dan M. Khanna (2002)**

D.B.A., Golden Gate University  
M.B.A., Santa Clara University  
B.S., Cal Poly, San Luis Obispo

**Associate Professor of Management**

Specialization: Strategy, MIS, e-Commerce

**Man-Soo Ko (2008)**

Ph.D., University of Florida  
B.S., Daegu University

**Assistant Professor of Physical Therapy**

Specialization: Biomechanics, Research and Motor Control

**Linda A. Kornasky (1996)**

Ph.D., Tulane University  
M.A., B.S., University of Rhode Island

**Professor of English**

Specialization: American Literature

**Kimberly K. Livengood (2007)**

Ph.D., Texas A&M, College Station  
M.S., Texas A&M, Corpus Christi  
B.S., Texas Tech University

**Assistant Professor of  
Curriculum & Instruction**

Specialization: Multicultural Education

# College of Graduate Studies

---

**Linda N. Lucksinger (2007)**

Ph.D., Texas A&M University  
M.Ed., Southwest Texas State University  
B.S., University of Houston

**Professor of Teacher Education and  
Head of the Department of Teacher Education**

Specialization: Educational Psychology

**Johnathan M. Marlow (2008)**

Ph.D., University of the Incarnate Word  
M.A., Pittsburg State University  
B.A., University of Tulsa

**Assistant Professor of Communication**

Specialization: Organizational Leadership

**Lana G. Marlow (2004)**

Ph.D., B.S., University of Texas at Austin  
M.A., Pittsburg State University

**Assistant Professor of Communication**

Specialization: Communication Studies,  
Women's Studies

**David S. Marsh (1983)**

Ph.D., University of Texas at Austin  
B.S., B.S., Duke University

**Professor of Biology**

Specialization: Neurophysiology

**Carolyn R. Mason (2004)**

Ph.D., B.S., Northwestern University  
M.M.S.C., Emory University

**Associate Professor of Physical Therapy**

Specialization: Neuroscience

**Terry C. Maxwell (1976)**

Ph.D., B.S., Texas A&M University  
M.S., Angelo State University

**Professor of Biology**

Specialization: Ornithology, Avian Ecology

**Brian J. May (1994)**

Ph.D., Texas A&M University  
M.S., B.S., Angelo State University

**Professor of Animal Science, Dean  
of the College of Graduate Studies and  
Research Scientist at the Management,  
Instruction and Research Center**

Specialization: Animal Nutrition

**Leslie M. Mayrand (1998)**

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, Dean  
of the College of Nursing and Allied Health**

Specialization: Maternal-Child Health

**J. Kelly McCoy (1996)**

Ph.D., B.S., Oklahoma State University

**Professor of Biology and  
Head of the Department**

Specialization: Quantitative Ecology

**Mary E. McGlamery (2006)**

Ph.D., M.S., B.S., Texas A&M University - Commerce

**Assistant Professor of Curriculum and Instruction**

Specialization: Educational Psychology

**William B. McKinney (1991)**

Ph.D., M.Ag., Texas A&M University  
B.A., Angelo State University

**Associate Professor of Real Estate**

Specialization: Real Estate

**Brian D. McKnight (2006)**

Ph.D., Mississippi State University  
M.A., East Tennessee State University  
B.A., University of Virginia's College of Wise

**Assistant Professor of History**

Specialization: Civil War, U.S. History

**John J. Miazga, Jr. (1980)**

Ed.D., East Texas State University  
M.S., Emporia State University  
B.A., Colorado College

**Professor of Education, Dean  
of the College of Education and  
Teacher Certification Officer**

Specialization: Guidance and Counseling

# College of Graduate Studies

---

**Ilan M. Mitchell-Smith (2006)**

Ph.D., Texas A&M University  
M.A., Fordham University  
B.A., University of California-Davis

**Assistant Professor of English**

Specialization: Medieval Literature

**William A. Montgomery (1993)**

Ph.D., M.A., University of Southern Mississippi  
B.A., Millsaps College

**Professor of Psychology**

Specialization: Clinical Psychology

**Leeann Moore (2004)**

Ph.D., Gonzaga University  
M.Ed., University of Utah  
B.S., Texas Tech University

**Associate Professor of Teacher Education**

Specialization: General Education

**Robert R. Mowrer (1988)**

Ph.D., M.A., University of New Mexico  
B.A., Susquehanna University

**Professor of Psychology**

Specialization: Experimental and Physiological Psychology

**Elisabeth-Christine Muelsch (1992) Professor of French**

Ph.D., M.A., Albert Ludwig University, Freiburg

Specialization: Nineteenth-Century French Literature

**Edward C. Olson (1978)**

Ph.D., University of California at Davis  
M.A., B.A., University of California at Santa Barbara

**Professor of Government and  
Head of the Department**

Specialization: Political Behavior

**George Pacheco, Jr. (2008)**

Ph.D., University of Southern Mississippi  
M.A., B.A., West Texas A&M University

**Assistant Professor of Communication**

Specialization: Speech Communication

**Dennis E. Pate (1980)**

Ph.D., M.A., University of California - Los Angeles  
B.A., San Jose State University

**Professor of History**

Specialization: Medieval and Early  
Modern European History

**Kathleen M. Price (1991)**

Ph.D., Texas Woman's University  
M.S., B.S., Baylor University

**Professor of Kinesiology**

Specialization: Exercise Physiology, Biomechanics

**Joseph C. Rallo (2007)**

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

**Professor of Management and  
President of the University**

Specialization: International Business

**Krishnan A. Ranganathan (1997)**

Ph.D., University of North Texas  
M.B.A., Sam Houston State University  
B.S., Loyola College

**Associate Professor of Accounting**

Specialization: Taxation

**Steve A. Reames (2002)**

Ph.D., M.S., B.F.A., University of North Texas

**Associate Professor of Management**

Specialization: Management Information Systems  
and e-Business

**William E. Renforth (2005)**

D.B.A., M.B.A., M.S., Indiana University  
B.A., Rollins College

**Professor of Marketing**

Specialization: International Marketing

# College of Graduate Studies

---

**Connie A. Russell (1999)**

Ph.D., Oklahoma State University  
M.S.E., B.S.E., Henderson State University

**Associate Professor of Biology**

Specialization: Behavioral Ecology, Science Education

**Micheal W. Salisbury (2001)**

Ph.D., New Mexico State University  
M.S., B.S., Angelo State University

**Associate Professor of Animal Science and  
Research Scientist at the Management,  
Instruction and Research Center**

Specialization: Animal Reproductive Physiology

**Mary E. Sanders (1999)**

Ed.D., University of Oregon  
M.A., Northern Arizona University  
B.S., University of Tennessee

**Associate Professor of Teacher Education**

Specialization: Diagnostics, Special Education

**Toni D. Sauncy (2000)**

Ph.D., M.S., B.S., Texas Tech University

**Associate Professor of Physics**

Specialization: Experimental Condensed Matter Physics,  
Optical Studies

**Kraig L. Schell (2000)**

Ph.D., University of Cincinnati  
M.A., University of Central Oklahoma  
B.S., Oklahoma Christian University

**Associate Professor of Psychology**

Specialization: Industrial-Organizational Psychology

**Jeffrey B. Schonberg (1997)**

Ph.D., Texas A&M University  
M.A., New Mexico State University  
B.A., University of New Mexico

**Associate Professor of English**

Specialization: Rhetorical Theory and Linguistics

**Cody B. Scott (1995)**

Ph.D., Utah State University  
M.S., B.S., Angelo State University

**Professor of Animal Science and  
Research Scientist at the  
Management, Instruction and Research Center**

Specialization: Grazing Management, Animal Behavior

**David E. Scott (1998)**

Ph.D., M.M., The Ohio State University  
B.M.E., B.M., Baylor University

**Professor of Music and  
Head of Department of Art and Music**

Specialization: Music Education

**Karen L. Shumway (2002)**

Ph.D., University of Illinois at Chicago  
M.B.A., University of Chicago  
B.A., Northwestern University

**Associate Professor of Management**

Specialization: Business Ethics and Strategic Policy

**Sangeeta Singg (1981)**

Ph.D., M.S., East Texas State University at Commerce  
M.A., Mississippi State University  
B.A., Punjab University

**Professor of Psychology**

Specialization: Counseling Psychology

**Martha R. Sleutel (1995)**

Ph.D., University of Texas at Austin  
M.S.N., University of Utah  
B.S.N., University of Texas at El Paso

**Associate Professor of Nursing**

Specialization: Perinatal Nursing Care,  
Measurement and Survey Design

**June H. Smith (1991)**

Ph.D., University of Texas at Austin  
M.A., Texas Tech University  
B.A., Angelo State University

**Professor of Communication**

Specialization: Interpersonal and Organizational  
Communication

# College of Graduate Studies

---

**Steven R. Snowden (2005)**

Ph.D., B.S., Texas A&M University  
M.A., Sam Houston State University

**Associate Professor of Kinesiology**

Specialization: Kinesiology

**Lu Anna M. Stephens (2004)**

Ph.D., M.Ed., University of North Texas  
B.A., Baylor University

**Assistant Professor of Curriculum and Instruction**

Specialization: Superintendency

**Ned E. Strenth (1978)**

Ph.D., Texas A&M University  
M.A., Southwest Texas State University  
B.A., University of Texas at Austin

**Professor of Biology**

Specialization: Invertebrate Zoology

**James A. Summerlin (2007)**

Ed.D., Baylor University  
M.S., University of Texas  
M.Ed., Schreiner University  
B.S., Louisiana Tech University

**Associate Professor of Curriculum and Instruction and Head of the Department**

Specialization: Educational Administration

**Norman A. Sunderman (1987)**

D.M.A., M.M., University of Michigan  
M.B.A., M.P.A., Texas A&I University  
B.S., Bowling Green State University

**Professor of Accounting**

Specialization: Financial Accounting

**David J. Tarver (2000)**

Ed.D., East Texas State University  
M.A., University of Texas at Permian Basin  
B.S., Tarleton State University

**Associate Professor of Curriculum and Instruction**

Specialization: Guidance and Counseling

**Sharynn M. Tomlin (1987)**

Ph.D., University of North Texas  
M.B.A., B.B.A., Angelo State University

**Professor of Management, Nathan and Sylvia Donsky Professorship in Business and Director of the Center for International Studies**

Specialization: Organizational Theory and Strategic Policy, International Business

**Molly J. Walker (1983)**

Ph.D., University of Texas Health Science Center at San Antonio  
M.S.N., University of Texas at El Paso  
B.S.N., Texas Christian University

**Associate Professor of Nursing**

Specialization: Adult and Cardiovascular Health

**John M. Wegner, Jr. (1997)**

Ph.D., University of North Texas  
M.A., B.A., Sam Houston State University

**Associate Professor of English and Director of the Center for Innovation and Research**

Specialization: Twentieth Century and Contemporary American Literature; Southwest Literature

**Shelly D. Weise (2000)**

Ed.D., M.S., B.A., Texas A&M University  
M.S., Texas Woman's University

**Associate Professor of Physical Therapy**

Specialization: Cardiopulmonary System Problems, Exercise Physiology

**R. Russell Wilke (1999)**

Ph.D., University of Texas at Austin  
M.S., B.S., Angelo State University

**Associate Professor of Biology**

Specialization: Avian Ecology

# College of Graduate Studies

---

**Susan S. Wilkinson (1994)**

Ph.D., University of Texas at Austin  
M.S.N., Incarnate Word College  
B.S.N., University of Texas Health Science Center at San Antonio

**Associate Professor of Nursing and  
Head of the Department of Nursing**

Specialization: Medical-Surgical Nursing

**Alaric A. Williams (2008)**

Ed.D., M.S., B.S., Texas A&M University - Commerce

**Assistant Professor of  
Curriculum and Instruction**

Specialization: Higher Education

**Reta Zabel (2008)**

Ph.D., Texas Woman's University  
M.S., University of Central Arkansas  
B.S., University of Texas Health Science Center

**Associate Professor of Physical Therapy**

Specialization: Neuromuscular Rehabilitation

**Guoqiang Zheng (1999)**

Ph.D., University of Toledo  
M.A., B.A., Tianjin Normal University

**Associate Professor of History**

Specialization: East Asian History

## CLINICAL GRADUATE FACULTY

**Pamela W. Darby (2004)**

M.S.N., Angelo State University  
B.S.N., Texas A&M University at Corpus Christi

**Assistant Clinical Professor**

Specialization: Medical-Clinical Nursing Specialist

**Mona M. Dawson (2004)**

M.S.N., B.S.N., Texas A&M University - Corpus Christi

**Assistant Clinical Professor**

Specialization: Geriatric Nurse  
Practitioner

**Lynne C. Hughes (2005)**

M.S., Texas Woman's University  
B.S., University of Texas Medical Branch at Galveston

**Assistant Clinical Professor in Physical Therapy**

Specialization: Orthopedics and Manual Therapy

**Harriet I. Lewis (1999)**

M.S., Texas Tech University  
B.S., Baylor University

**Assistant Clinical Professor in Physical  
Therapy and Academic Coordinator  
of Clinical Education**

Specialization: Clinical Education, Ergonomics

**Mark W. Pape (2000)**

M.S., Texas Woman's University  
B.S., Angelo State University

**Assistant Clinical Professor in Physical Therapy**

Specialization: Gross Anatomy, Musculoskeletal Systems

**Linda C. Ross (2005)**

M.S., Texas Woman's University  
B.S.N., Baylor University

**Assistant Clinical Professor**

Specialization: Nursing

## ADJUNCT PROFESSORS

**John Alexander, M.D.**

M.D., University of Texas Medical Branch at Galveston

**Adjunct Professor of Physical Therapy**

Specialization: Radiology

**Todd Callaway, Ph.D.**

Ph.D., Cornell University  
M.S., B.S., University of Georgia

**Adjunct Professor of Animal Science**

# College of Graduate Studies

---

**Tim Childs**

M.B.A., Indiana Wesleyan University  
B.S., Indiana State University

**Adjunct Professor  
of Physical Therapy**

Specialization: Finance Management

**B. Frank Craddock, Ph.D.**

Ph.D., B.S., Texas A&M University  
M.S., University of Wyoming

**Adjunct Professor of Animal Science**

Specialization: Sheep and Goat Specialist

**Mary Gest, P.T., CCCE**

B.S., University of Texas Medical Branch at Galveston

**Adjunct Clinical Professor  
of Physical Therapy**

Specialization: Clinical Education, Wound Care

**Christopher Lupton, Ph.D.**

Ph.D., B.S., University of Leeds

**Adjunct Professor of Animal Science**

Specialization: Wool and Mohair Research of Animal Science

**Rick Machen, Ph.D.**

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