

NOTICE

The policies, regulations, procedures, and fees in this **Bulletin** 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, Texas State 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 **Bulletin** do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

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PROPOSED EXCESS UNDERGRADUATE CREDIT HOURS RULE

Senate Bill 345 of the 76th Texas Legislature amended the Texas Education Code (Sections 54.068 and 61.0595) to limit the number of semester credit hours per undergraduate student that institutions may submit for state funding. Specifically, institutions will not receive state funding for hours attempted by any undergraduate student who exceeds the number of hours required for the degree being sought by 45 semester credit hours. The changes also authorize institutions to charge higher rates of tuition to students who no longer generate formula income.

These changes apply to students who first enroll in an institution of higher education in the 1999 fall semester or later.

Rules regarding the implementation of this legislation will be reviewed by the Texas Higher Education Coordinating Board at its October 1999 meeting.

STUDENT RECORDS

Notification of Rights under Federal Family Educational Rights and Privacy Act (FERPA) for Postsecondary Institutions

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 an 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 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 address, E-mail address, telephone listing, date and place of birth, photograph, marital status, major and minor fields of study, participation in official recognized activities and sports, weight and height of members of athletic teams, team photographs, dates of attendance, classification, current class schedule, degrees, awards, and honors received, all previous educational agencies or institutions attended, hometown, parents names and addresses.

Students who desire that all or any part of their directory information not be released must submit a written request to the Office of the Registrar 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 Office of the Registrar.

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 offices 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 only upon request by the student.

BACHELOR OF ARTS DEGREE
CORE CURRICULUM REQUIREMENTS

COMMUNICATION: The student must fulfill an oral communication competency requirement by completing Communication 2301. Communication 2331 may be used in teacher certification programs to fulfill this requirement.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication/Journalism 2345, Computer Science 1331, Education 2323, Finance 2323, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302, and a sophomore literature course. These literature courses are offered by the Department of English.

GOVERNMENT: Six semester hours of federal and state government: Government 2301 and Government 2302.

HISTORY: Six semester hours of American history: History 1301 and History 1302.

MATHEMATICS: The student is to complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of lower-division laboratory science courses from the following disciplines: Biology, Chemistry, Physics, Physical Science, and Geology. Students may take the lab science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete one three-semester hour, lower-division course in Economics, Geography, Psychology, or Sociology.

VISUAL AND PERFORMING ARTS: The student must complete one lower-division, three-semester hour course in Art, Drama, or Music.

IN SOME ACADEMIC PROGRAMS, COURSES MAY BE TAKEN WHICH FULFILL BOTH CORE CURRICULUM AND ACADEMIC MAJOR OR SUPPORTING CONCENTRATION REQUIREMENTS. THE STUDENT SHOULD REFER TO THE DEGREE PLANS WHICH ARE INCLUDED IN THE ACADEMIC DEPARTMENTAL SECTIONS OF THE CATALOG FOR INFORMATION IN THIS REGARD.

BACHELOR OF ARTS DEGREE REQUIREMENTS

MODERN LANGUAGE: The student must earn six semester hours of the same language at the sophomore level (Modern Language 2311 and 2312). Students without the necessary preparation to begin Modern Language 2311 will take Modern Language 1301 and/or 1302.*

HUMANITIES: One three-semester-hour lower division course from the following: sophomore literature offered by the Department of English; History 2331, 2332; Philosophy 2301, 2311.

ACADEMIC MAJOR

The academic major in the Bachelor of Arts degree programs requires no fewer than thirty and no more than thirty-six semester hours, of which at least eighteen semester hours will be at the advanced level, and, at least twelve advanced hours will be taken in residence. Performance requirements in the music program are not included in the thirty-six semester-hour limit for an academic major in music.

Academic major programs leading to the Bachelor of Arts degree will be selected from the following:

Art	German	Music
Communication	Government	Psychology
Drama	History	Sociology
English	Journalism	Spanish
French	Mathematics	

SUPPORTING CONCENTRATION

The supporting concentration is selected from one or more disciplines outside the academic major. A minimum of eighteen semester hours is required with the student choosing either a single area concentration or a multiple area concentration as defined below.

*Students may receive credit in Modern Language 1301, 1302, 2311, and 2312 by taking examinations administered by the Department of Modern Languages. Students who wish to register for Modern Language 2311 must first demonstrate proficiency in the language either by passing Modern Language 1301 and 1302 or by examination. Students who complete Modern Language 2311 or 2312 are not eligible subsequently to earn credit by examination in Modern Language 1301 and 1302.

1. **Single Area Concentration** - A set of courses in one academic discipline totaling eighteen semester hours, six of which must be advanced and in residence, or a
2. **Multiple Area Concentration** - A set of courses selected from two or three academic disciplines. Nine semester hours, including at least six advanced semester hours in residence, are required in each component discipline of a multiple area concentration. Certain multiple-discipline supporting concentrations which have been departmentally designed are not required to meet these general requirements for the multiple area supporting concentration.

Programs of supporting concentration will be chosen in the following academic disciplines:

Accounting	English***	Management Information Systems**
Aerospace Studies**	Ethnic Studies	Marketing
Animal Science	Finance	Mathematics*****
Art	French	Music*****
Biochemistry	Generic Special Ed	Physical Science**
Biology	Geography**	Physics
Business Administration*	German	Psychology
Chemistry	Government	Range and Wildlife Management
Communication	History	Reading
Computer Science	Journalism	Sociology
Criminal Justice	Kinesiology	Spanish
Drama	Linguistics**	
Economics	Management	

*The Business Administration Supporting Concentration is an eighteen-hour multiple-discipline concentration in which students must choose one course from each of Accounting, Business Administration, Economics, Finance, Management, and Marketing. At least six hours must be advanced and in residence. Non-Business majors planning to pursue a Master of Business Administration degree should refer to the graduate section of this Bulletin for a listing of "leveling" courses which must be taken prior to enrolling in graduate level MBA courses.

**Students cannot choose Aerospace Studies, Geography, Linguistics, Management Information Systems, or Physical Science as a Single Area Concentration. These disciplines may be used only as part of a Multiple Area Concentration. At least six semester hours of advanced work will be required in residence for each discipline.

***The supporting concentration in English may be planned for a specialization in professional writing. See the English Department section for details.

****Single Area Concentration in Mathematics must include six semester hours (Multiple Area Concentration must include three semester hours) chosen from Mathematics 3301, 3307, 3333, 3335.

*****If music is selected as a supporting concentration, only three semester hours of applied music and three semester hours of ensemble may be utilized for the Single Area Concentration. In the Multiple Area Concentration, only three semester hours of applied music and/or ensemble may be utilized. Applied music may not be used to fulfill advanced requirements in the music supporting concentration.

TEACHING FIELDS FOR SECONDARY LEVEL TEACHER CERTIFICATION

A student who is seeking teacher certification at the secondary level is not required to present an academic major or program of supporting concentration but must present first and second teaching fields. The first teaching field consists of a minimum of thirty semester hours, eighteen of which must be advanced, with twelve advanced hours taken in residence. The second teaching field consists of a minimum of twenty-four semester hours, twelve of which must be advanced, with nine advanced hours taken in residence (with the exception of life-earth science and physical science). For each of these areas, a minimum of six advanced hours is required in residence.

The student will select a first teaching field from the disciplines listed under the academic major category except music, psychology, and sociology. A first teaching field in history with teacher certification in social studies is also available. A second teaching field will be selected from the following disciplines: Art, Biology, Chemistry, Communication, Computer Science, Drama, English, French, Generic Special Education, German, Government, History, Journalism, Kinesiology, Life-Earth Science, Mathematics, Physical Science, Physics, Social Studies, and Spanish.

*Students seeking teacher certification should refer to appropriate degree plans elsewhere in this **Bulletin** for information concerning education courses and should also consult the Teacher Certification Officer in planning their programs in order to make certain that they are meeting the requirements of the State Board for Educator Certification.*

OTHER REQUIREMENTS

ADVANCED HOURS: A minimum of thirty-nine semester hours (junior and senior level courses.)

ELECTIVES: Six semester hours of electives unencumbered by the departments, either by the requirements of specific courses or of advanced hours in a specific degree program. A minimum of three elective hours are required in the teacher certification programs.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for work taken at Angelo State, a minimum 2.00 grade point average in the student's academic major. All degree programs leading to teacher certification require a 2.50 overall grade point average with no grade lower than a C and a 2.50 grade point average in each of the following areas: first teaching field (major), additional teaching field(s), and professional education (including student teaching).

RESIDENCE: Overall a minimum of thirty-three semester hours in residence, including twenty-four semester hours of advanced work. Included are twelve advanced hours in residence in the academic major or first teaching field, six advanced semester hours in the single area supporting concentration or twelve to eighteen advanced hours in the multiple area supporting concentration, depending on the number of disciplines represented in the program. The second teaching field requires nine advanced hours in residence. Students seeking teacher certification are expected to complete student teaching in residence at Angelo State University.

TOTAL HOURS: 130 semester hours are required in all Bachelor of Arts degree programs. The student who is in a program leading to teacher certification may be required to exceed 130 semester hours in order to meet all degree and certification requirements.

BACHELOR OF MUSIC DEGREE

CORE CURRICULUM REQUIREMENTS

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301. Communication 2331 also may be used to fulfill this requirement.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication/Journalism 2345, Computer Science 1331, Education 2323, Finance 2323, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302, and a sophomore literature course. These literature courses are offered by the Department of English.

GOVERNMENT: Six semester hours of federal and state government: Government 2301 and Government 2302.

HISTORY: Six semester hours of American history: History 1301 and History 1302.

MATHEMATICS: Complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of laboratory science courses from the following disciplines: Biology, Chemistry, Physics, Physical Science, and Geology. Students may take the lab science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete satisfactorily a one-semester hour physical activity course.

SOCIAL SCIENCE: The student must successfully complete one three-semester hour, lower-division course in Economics, Geography, Psychology, or Sociology.

VISUAL AND PERFORMING ARTS: The student must complete one three-semester hour, lower-division course in Art, Drama, or Music.

BACHELOR OF MUSIC DEGREE REQUIREMENTS

HUMANITIES: The student must complete one three-semester-hour, lower division course from the following: sophomore literature offered by the Department of English, History 2331, 2332, Philosophy 2301, 2311.

ACADEMIC MAJOR

Sixty semester hours in music are required for the major, of which twenty-four semester hours must be advanced. At least eighteen advanced semester hours in music must be taken in residence. The Bachelor of Music degree allows the student to meet all requirements for all-level teacher certification in music.

PROFESSIONAL EDUCATION REQUIREMENTS

EDUCATION: The following education courses are required in the Bachelor of Music program: 4315, 4317, 4321, 4395, 4397.

EDUCATIONAL PSYCHOLOGY: Complete Educational Psychology 3311.

READING: The student must complete three semester hours in an advanced-level reading course which fulfills requirements for teacher certification.

OTHER REQUIREMENTS

ADVANCED HOURS: A minimum of thirty-nine advanced hours (junior and senior level courses).

DEPARTMENTAL REQUIREMENTS: The Department of Art and Music requires of all students in the Bachelor of Music program the following: piano proficiency certification, successful completion of the sophomore upper-level exam and of the senior-level recital in the major instrument, concert/recital attendance and participation in an ensemble during all semesters enrolled except when student teaching.

ELECTIVES: A minimum of three semester hours of electives are to be included in the degree program.

GRADE REQUIREMENTS: A minimum 2.50 Grade point average overall and in the major are required. A 2.50 Grade point average is required in teacher certification programs for teaching fields, professional education and overall.

RESIDENCE: Thirty-three semester hours in residence, with twenty-four semester hours at the advanced level. Eighteen advanced semester hours in residence are required in music. Students seeking certification are expected to complete student teaching in residence at Angelo State University.

TOTAL HOURS: A minimum of 130 semester hours.

BACHELOR OF GENERAL STUDIES DEGREE

CORE CURRICULUM REQUIREMENTS

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication/Journalism 2345, Computer Science 1331, Finance 2323, Education 2323, Music 2353, University Studies 2323.

ENGLISH: English 1301, English 1302, and three semester hours of sophomore English literature taught in the English Department.

GOVERNMENT: Government 2301 and 2302.

HISTORY: History 1301 and 1302.

MATHEMATICS: The student must complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of laboratory science courses from the following disciplines: Biology, Chemistry, Physics, Physical Science, and Geology. Students may take the laboratory science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete a three-semester hour, lower-division course in Economics, Geography, Psychology, or Sociology.

VISUAL AND PERFORMING ARTS: The student must complete a three-semester hour, lower-division course in Art, Drama, or Music.

BACHELOR OF GENERAL STUDIES DEGREE REQUIREMENTS

ENGLISH: The student must complete one three hour course in English literature. This is in addition to the English literature course required for the Core Curriculum.

MODERN LANGUAGE: Modern Language 2311 and 2312. Students without the necessary preparation to begin Modern Language 2311 will take Modern Language 1301 and/or 1302.

PHYSICAL ACTIVITY: Complete one hour of physical activity. This is in addition to the one hour physical activity Core Curriculum requirement.

DISTRIBUTIONAL REQUIREMENTS

The student must complete courses in each of the distributional areas.

1. **Distributional Area One:** One course to be taken from one of the following disciplines: art, drama, journalism, music and philosophy. This course must be chosen from a discipline other than the one taken to fulfill the Visual and Performing Arts component of the Core Curriculum.
2. **Distributional Area Two:** One course to be taken from one of the following disciplines: economics, geography, linguistics, psychology, and sociology. This course must be chosen from a discipline other than the one taken to fulfill the Social Science component of the Core Curriculum.
3. **Distributional Area Three:** This area is met by courses required in the Core Curriculum.

MULTIPLE DISCIPLINE ACADEMIC MAJOR

In the multiple discipline General Studies major, the student will be required to take 54 semester credit hours, of which 30 hours must be taken at the advanced level. To satisfy residency requirements, 18 of these advanced hours must be taken at Angelo State University. The student pursuing a degree in General Studies will be required to choose courses from at least **two** but not more than **four** of the academic disciplines listed below. At least **six advanced semester credit hours** must be taken in residence from each of the academic disciplines selected. If only two academic disciplines are selected, the course work and the advanced semester credit hours must be equally divided between the disciplines. If three academic disciplines are selected, the course work must be equally divided among the disciplines. If four academic disciplines are selected, at least 12 semester credit hours must be taken from

each of the academic disciplines selected. If three or four disciplines are selected, the advanced semester hour requirement in residence may be waived by the University for transfer students in one of the disciplines.

Accounting	Computer Science	Government	Physical Science
Animal Science	Criminal Justice	History	Physics
Art	Drama	Journalism	Psychology
Biochemistry	Economics	Kinesiology	Sociology
Biology	English	Management	Spanish
Business Administration	Finance	Marketing	
Chemistry	French	Mathematics	
Communication	German	Music	

OTHER REQUIREMENTS

ADVANCED HOURS: A minimum of thirty-nine semester hours (junior and senior level courses).

ELECTIVES: Normally nine to fifteen hours of electives will be included in the program with enough advanced hours of electives to meet the overall requirement of thirty-nine advanced hours in the program.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for work taken at Angelo State, a minimum 2.00 grade point average in the student's multiple discipline academic major.

RESIDENCE: Overall a minimum of thirty-three hours must be taken in residence at ASU, including twenty-four semester credit hours of advanced work. Eighteen advanced hours in residence are required in the multiple discipline academic major.

TOTAL HOURS: 130 semester hours.

BACHELOR OF BUSINESS ADMINISTRATION

CORE CURRICULUM REQUIREMENTS

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication/Journalism 2345, Computer Science 1331, Finance 2323, Education 2323, Music 2353, University Studies 2323.

ENGLISH: English 1301, English 1302, and three semester hours of sophomore English literature taught in the English Department.

GOVERNMENT: Government 2301 and 2302.

HISTORY: History 1301 and 1302.

MATHEMATICS: The student must complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of laboratory science courses from the following disciplines: Biology, Chemistry, Physics, Physical Science, and Geology. Students may take the laboratory science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete a three-semester hour, lower-division course in Economics, Geography, Psychology, or Sociology.

VISUAL AND PERFORMING ARTS: The student must complete a three-semester hour, lower-division course in Art, Drama, or Music.

BACHELOR OF BUSINESS ADMINISTRATION DEGREE REQUIREMENTS

ENGLISH: English 3352.

ECONOMICS: Economics 2302. Economics 2301 will be required unless this course is taken to fulfill the Social Science Core Curriculum requirement.

MATHEMATICS: Math 1312. Math 1302 or 1311 will be required unless either of these courses were taken to fulfill the Mathematics Core Curriculum requirement.

PHYSICAL ACTIVITY: Complete one hour of physical activity. This is in addition to the one hour physical activity Core Curriculum requirement.

PSYCHOLOGY: Complete three hours of Psychology.

ACADEMIC MAJOR

The Bachelor of Business Administration is a broad field degree and a supporting concentration outside of business is optional. A minimum of sixty-three semester hours, including the major and other work in the departments of business is required, of which at least twenty-one advanced hours must be taken in residence.

Students will select a major from the following areas:

Accounting	Finance
Business (a multi-disciplinary major)	Finance with Real Estate Option
Business with International Option	Management
Business with Management Information Systems (MIS) Option	Marketing
Computer Science	

SUPPORTING CONCENTRATION (Optional)

A minimum of eighteen semester hours with the student choosing either a single area concentration or a multiple area concentration as defined below:

1. **Single Area Concentration** - A series of courses in one academic discipline totaling eighteen semester hours, six of which must be advanced and in residence.
2. **Multiple Area Concentration** - A set of courses selected from two or three academic disciplines. Nine semester hours, including at least six advanced semester hours in residence, are required in each component discipline of a multiple area concentration. Certain multiple-discipline supporting concentrations which have been departmentally designed are not required to meet these general requirements for the multiple area supporting concentration.

Programs of supporting concentration will be selected from the following academic disciplines:

Animal Science	Computer Science	German	Music****
Aerospace Studies**	Criminal Justice	Government	Physical Science
Art	Drama	History	Physics
Biochemistry	English*	Journalism	Psychology
Biology	Ethnic Studies	Kinesiology	Range and Wildlife Management
Chemistry	French	Linguistics**	Sociology
Communication	Geography**	Mathematics***	Spanish

*The supporting concentration in English may be planned for a specialization either in literature or in professional writing. See the English department section for details.

**Students cannot choose Aerospace Studies, Geography or Linguistics as a Single Area Concentration. Geography and Linguistics may be used only as part of a Multiple Area Concentration as defined above.

***Single Area Concentration in Mathematics must include six semester hours (Multiple Area Concentration must include three semester hours) chosen from Mathematics 3301, 3307, 3333, 3335.

****If music is selected as a supporting concentration, only three semester hours of applied music and three semester hours of ensemble may be utilized for the Single Area Concentration. In the Multiple Area Concentration, only three semester hours of applied music and/or ensemble may be utilized. Applied music may not be used to fulfill advanced requirements in the music supporting concentration.

OTHER REQUIREMENTS

ADVANCED HOURS: A minimum of thirty-nine semester hours (junior and senior level courses).

ELECTIVES: Nine semester hours of electives must be taken outside the business departments.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for work taken at Angelo State, a minimum 2.00 grade point average for all work taken in the departments of business; and a minimum of 2.00 grade point average in the ten courses which comprise the academic major. The minimum 2.00 grade point average in the academic major does not apply to the General Business Major or to the General Business Major with International Option.

RESIDENCE: Overall a minimum of thirty-three hours must be taken in residence at ASU, including twenty four semester credit hours of advanced work. Twenty-one advanced semesters hours in residence are required in the business departments.

TOTAL HOURS: 130 semester hours.

BACHELOR OF SCIENCE DEGREE

CORE CURRICULUM REQUIREMENTS

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301. Communication 2331 may be used to fulfill the requirement by teacher certification students.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communications/Journalism 2345, Computer Science 1331, Finance 2323, Education 2323, Music 2353, University Studies 2323.

ENGLISH: English 1301, English 1302, and three semester hours of sophomore English literature taught in the English Department.

GOVERNMENT: Government 2301 and 2302.

HISTORY: History 1301 and 1302.

MATHEMATICS: The student must complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of laboratory science courses from the following disciplines: Biology, Chemistry, Physics, Physical Science, and Geology. Students may take the laboratory science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete a three-semester hour, lower-division course in Economics, Geography, Psychology, or Sociology.

VISUAL AND PERFORMING ARTS: The student must complete one three-semester hour, lower-division course in Art, Drama, or Music.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

NATURAL SCIENCE: A total of four semesters of science courses to include two semesters of Biology or Geology (can include more than one discipline) and two semesters of Chemistry, Physics, or Physical Science (can include more than one discipline). The eight hours in the core requirement above will be included in this four semester total.

SINGLE DISCIPLINE ACADEMIC MAJOR

In the single discipline academic major no fewer than thirty and no more than forty-two semester hours, of which at least eighteen semester hours will be at the advanced level, and twelve advanced hours will be taken in residence.

Single discipline academic majors for the Bachelor of Science degree will be selected from the following academic programs:

Animal Science

Biochemistry

Biology

Chemistry

Computer Science	Kinesiology	Physics
Economics	Mathematics	Physics, Applied
	Medical Technology	Psychology
		Sociology

SUPPORTING CONCENTRATION

The supporting concentration is selected from one or more disciplines outside the academic major. A minimum of eighteen semester hours is required with the student choosing either a single area concentration or a multiple area concentration as defined below.

1. **Single Area Concentration** - A set of courses in one academic discipline totaling eighteen semester hours, six of which must be advanced and in residence, or a
2. **Multiple Area Concentration** - A set of courses selected from two or three academic disciplines. Nine semester hours, including at least six advanced semester hours in residence, are required in each component discipline of a multiple area concentration. Certain multiple-discipline supporting concentrations which have been departmentally designed are not required to meet these general requirements for the multiple area supporting concentration.

Programs of supporting concentration will be selected from the following academic disciplines:

Accounting	English***	Management Information Systems**
Aerospace Studies**	Ethnic Studies	Marketing
Animal Science	Finance	Mathematics****
Art	French	Music*****
Biochemistry	Generic Special Ed.	Physical Science**
Biology	Geography**	Physics
Business Administration*	German	Psychology
Chemistry	Government	Range and Wildlife Management
Computer Science	History	Reading
Communication	Journalism	Sociology
Criminal Justice	Kinesiology	Spanish
Drama	Linguistics**	
Economics	Management	

*The Business Administration Supporting Concentration is an eighteen-hour multiple-discipline concentration in which student must choose one course from each of Accounting, Business Administration, Economics, Finance, Management, and Marketing. At least six hours must be advanced and in residence. Non-Business majors planning to pursue a Master of Business Administration degree should refer to the graduate section of this Bulletin for a listing of "leveling" courses which must be taken prior to enrolling in graduate level MBA courses.

**Students cannot choose Aerospace Studies, Geography, Linguistics, Management Information Systems, or Physical Science as a Single Area Concentration. These disciplines may be used only as part of a Multiple Area Concentration. Nine semester hours, including at least six semester hours of advanced work will be required in residence for each discipline.

***The supporting concentration in English may be planned for a specialization either in literature or in professional writing. See the English department section for details.

****Single Area Concentration or Multiple Area Concentration in Mathematics must include six semester hours chosen from Mathematics 3301, 3307, 3333, 3335.

*****If music is selected as a supporting concentration, only three semester hours of applied music and three semester hours of ensemble may be utilized for the Single Area Concentration. In the Multiple Area Concentration,

only three semester hours of applied music and/or ensemble may be utilized. Applied music may not be used to fulfill advanced requirements in the music supporting concentration.

TEACHING FIELDS FOR SECONDARY LEVEL TEACHER CERTIFICATION AND INTERDISCIPLINARY ACADEMIC MAJORS FOR ELEMENTARY LEVEL TEACHER CERTIFICATION

A student who is seeking teacher certification at the secondary level is not required to present an academic major or program of supporting concentration, but must present first and second teaching fields. The first teaching field consists of a minimum of thirty semester hours, eighteen of which must be advanced, with twelve advanced hours taken in residence. The second teaching field consists of a minimum of twenty-four semester hours, twelve of which must be advanced, with nine advanced hours taken in residence; with the exception of life-earth science and physical science. For each of these areas, a minimum of six advanced hours is required in residence.

The student will select a first teaching field from the disciplines listed under the academic major category with the exception of Animal Science, Biochemistry, Economics, Medical Technology, Applied Physics, Psychology and Sociology. A second teaching field will be selected from the disciplines listed in the section on supporting concentration, with the exception of Accounting, Animal Science, Biochemistry, Business Administration, Criminal Justice, Economics, Ethnic Studies, Finance, Geography, Linguistics, Management, Management Information Systems, Marketing, Music, Psychology, Range and Wildlife Management, Reading, and Sociology. A second teaching field is also available in Life-Earth Science and Social Studies.

A student who is pursuing the Bachelor of Science degree with teacher certification at the elementary level is required to present an academic major in Interdisciplinary Child Development and Learning. The interdisciplinary academic major which includes a supporting academic specialization requires no fewer than forty-eight semester hours, of which at least twenty-one semester hours will be at the advanced level, and at least eighteen advanced hours (six from the supporting academic specialization) will be taken in residence.

A supporting academic specialization consists of eighteen or twenty-four semester hours, with six advanced hours in residence. (Consult the Department of Education **Bulletin** section for additional information on the supporting academic specialization areas.)

*Students seeking teacher certification should refer to appropriate degree plans elsewhere in this **Bulletin** for information concerning education courses and should also consult the Teacher Certification Officer in planning their programs in order to make certain that they are meeting the requirements of the State Board for Educator Certification.*

OTHER REQUIREMENTS

ADVANCED HOURS: A minimum of thirty-nine semester hours (junior and senior level courses).

ELECTIVES: Six semester hours of electives unencumbered by the departments, either by the requirement of specific courses or of advanced hours in a specific degree program. A minimum of three elective hours are required in teacher certification programs.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for work taken at Angelo State, and a minimum 2.00 grade point average in the student's academic major. All degree programs leading to teacher certification require a 2.50 overall grade point average with no grade lower than a C and a 2.50 grade point average in each of the following areas: first teaching field (major), additional teaching field(s), supporting academic specialization, and professional education (including student teaching).

RESIDENCE: Overall a minimum of thirty-three semester hours in residence, including twenty-four semester hours of advanced work. Included are twelve advanced semester hours in residence in the single discipline academic major or first teaching field, eighteen advanced semester hours in residence in the interdisciplinary academic major (six in the academic specialization), and six advanced semester hours in residence in the single area supporting concentration or twelve to eighteen advanced hours in the multiple area supporting concentration, depending upon

the number of disciplines represented in the program. The second teaching field requires nine advanced hours in residence. Students seeking teacher certification are expected to complete student teaching in residence at Angelo State University.

TOTAL HOURS: 130 semester hours.

BACHELOR OF SCIENCE IN NURSING DEGREE

CORE CURRICULUM REQUIREMENTS

A student who is seeking the Bachelor of Science in Nursing degree must be a nurse who is registered in the State of Texas and who has an Associate in Applied Science degree or equivalent.

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301.

COMPUTER LITERACY: Complete one of the following courses: Animal Science 1351, Communications/Journalism 2345, Computer Science 1331, Finance 2323, Education 2323, Music 2353, University Studies 2323.

ENGLISH: English 1301, English 1302, and three semester hours of sophomore English literature taught in the English Department. Normally six semester hours would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

GOVERNMENT: Government 2301 and 2302.

HISTORY: History 1301 and 1302.

MATHEMATICS: Complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 2331, or 2332. Normally this requirement would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

NATURAL SCIENCE: Eight semester hours of laboratory science courses from the following disciplines: Biology, Chemistry, Physics, Physical Science, and Geology. Students may take the laboratory science courses in one or more disciplines. Normally this requirement would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

PHYSICAL ACTIVITY: Complete a one-semester hour physical activity course. Normally this requirement would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

SOCIAL SCIENCE: Complete a three-semester hour, lower-division course in Economics, Geography, Psychology, or Sociology. Normally this requirement would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

VISUAL AND PERFORMING ARTS: Complete one three-semester hour, lower-division course in Art, Drama, or Music.

BACHELOR OF SCIENCE IN NURSING DEGREE REQUIREMENTS

NATURAL SCIENCE: Three semester credit hours of pathophysiology.

STATISTICS: Three semester credit hours of statistics

ACADEMIC MAJOR

A minimum of thirty-one semester hours of nursing course work.

OTHER REQUIREMENTS

ADVANCED HOURS: A minimum of thirty-four semester hours (junior and senior level courses).

ELECTIVES: Three semester hours.

GRADE REQUIREMENTS: A grade of C or above in each nursing course and minimum of 2.00 overall grade point average at the completion of each semester in order to register for the next nursing course. A minimum of 2.00 overall grade point average for all college work and a minimum 2.00 grade point average for all work taken at Angelo State University in order to graduate.

RESIDENCE: A minimum of thirty-three semester hours in residence, including twenty-four semester hours of advanced work. Included are twenty advanced semester hours in nursing courses in residence.

TOTAL HOURS: A minimum of sixty-four semester hours.

ASSOCIATE IN APPLIED SCIENCE DEGREE (NURSING)

CORE CURRICULUM REQUIREMENTS

ENGLISH: English 1301 and one sophomore literature.

NATURAL SCIENCE: One semester each of human anatomy and human physiology.

SOCIAL SCIENCE: Three semester hours of introductory sociology.

PHYSICAL ACTIVITY: Complete a one-semester hour physical activity course.

MATHEMATICS: Complete one of the following courses: 1302 or 1311.

ASSOCIATE IN APPLIED SCIENCE DEGREE REQUIREMENTS

BEHAVIORAL SCIENCE: Three semester hours of introductory psychology and three semester hours of developmental psychology.

NATURAL SCIENCE: One semester of chemistry and one semester of microbiology.

ACADEMIC MAJOR

Thirty-four semester hours of nursing course work, of which seventeen hours are freshman and seventeen are sophomore.

OTHER REQUIREMENTS

RESIDENCE: A minimum of thirty semester hours, seventeen of which must be nursing courses, must be completed in residence.

TOTAL HOURS: A minimum of sixty-nine semester hours.

GRADE REQUIREMENT: A minimum of a *C* in each nursing course, a minimum of a 2.00 grade point average (*C* average) on all work taken, and a 2.00 grade point average (*C* average) on all work taken at this institution.

DEPARTMENTAL REQUIREMENTS: See curriculum requirements for the Nursing Department.

STATE REQUIREMENT: Must pass all sections of the “Certification Form” of the Texas Academic Skills Program (TASP) test.

DEGREE PLAN

The student must report to the Head of the Nursing Department during the first semester of the sophomore year to request a degree plan.

THE COLLEGE OF LIBERAL AND FINE ARTS

E. James Holland, Ph.D., Dean

Department of Art and Music

Department of Communications, Drama and Journalism

Department of English

Department of Government

Department of History (including Geography)

Department of Modern Languages (French, German, Spanish, Linguistics, Russian, and Philosophy)

Department of Psychology and Sociology

DEPARTMENT OF ART AND MUSIC

**BACHELOR OF ARTS
(Art major)**

ACADEMIC MAJOR

Art 1321, 1322, 2301, 2302, 2311, 2312	18
Art Specialization Area (advanced)	12
Art (advanced electives)	6

OTHER REQUIREMENTS

Communication 2301 or 2311	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
English 1301, 1302, one sophomore literature	9
Sophomore Literature, Philosophy, or Western Civilization	3
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences selected from Biology, Chemistry, Geology, Physical Science)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Modern Languages 2311, 2312 (also 1301, 1302 if necessary)*	6-12
Journalism 2321 or 2344	3

SUPPORTING CONCENTRATION

Supporting Concentration	18
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ELECTIVES

Electives	22
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with an Art major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

Art specialization areas designed to provide students with the opportunity to focus their studies in a limited way in a particular area of the art discipline. However, these specialization areas do not constitute separate academic majors or degree programs. The student who does not wish to select one of the art specialization areas should take Art 3311 or 3321 (painting specialization area) and at least one course from three of the other specialization areas.

- Art History: 3313, 3315, 3317, 3319
- Ceramics: 3313, 3331, 3332, 3333 or 3341
- Graphic Illustration: 3311 or 3321, 3371, 3372, 3373
- Painting: 3311, 3313, 3321 and 4321, or 3322 and 3323
- Printmaking: 3311, 3361, 3362, 4362
- Sculpture: 3313, 3331, 3341, 4341

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

BACHELOR OF ARTS
(Art major with secondary teacher certification)

ACADEMIC MAJOR

Art 1321, 1322, 2301, 2302, 2311, 2312	18
Art 3321 or 3322, 3331 or 3341, 3361	9
Art (advanced)	9

OTHER REQUIREMENTS

Communication 2301 or 2311	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
English 1301, 1302, one sophomore literature	9
Sophomore Literature, Philosophy, or Western Civilization	3
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences selected from Biology, Chemistry, Geology, Physical Science.)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Modern Languages 2311, 2312 (also 1301, 1302 if necessary)*	6-12
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3

SECOND TEACHING FIELD

Second Teaching Field	24-27
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ELECTIVES

Electives	4
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with an Art major (with teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

ACADEMIC MAJOR

Music 1451, 1452, 2451, 2452, 3341, 3342 22
 Music 3251, 3252, 3263 or 3264, 4253, 4281, 4282 or 4381 12
 Music (applied - lower division) 2
 Music (applied - advanced) 1
 Music (Ensemble) 2

OTHER REQUIREMENTS

Communication 2301 or ~~2311~~ 3
 Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345) 3
 English 1301, 1302, one sophomore literature 9
 Sophomore Literature, Philosophy, or Western Civilization 3
 Government 2301, 2302 6
 History 1301, 1302 6
 Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332) 3
 Natural Science (two lab sciences selected from Biology, Chemistry, Geology, Physics, Physical Science) 8
 Physical Activity 1
 Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division 3
 Modern Languages 2311, 2312 (also 1301, 1302 if necessary)* 6-12

SUPPORTING CONCENTRATION

Supporting Concentration 18

ELECTIVES

Electives (minimum of 15 advanced semester credit hours) 16-22

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a music major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

DEPARTMENTAL REQUIREMENTS: Successful completion of sophomore upper-level exam and senior-level recital (consult with studio teacher) in the major instrument, concert/recital attendance, and participation in an ensemble during all semesters enrolled are required by the Department of Art and Music.

BACHELOR OF MUSIC
(Music major with all-level certification)

ACADEMIC MAJOR

Music 1451, 1452, 2343, 2344, 2451, 2452	22
Music 3163, 3164, 3251, 3252, 3263, 3264, 3341, 3342, 4281, 4282, 4253	22
Music (Diction -2 or Class Instrument -4)	2-4
Music (Major Instrument)	9
Music (Piano class or minor instrument)	3
Music (Major instrument - advanced)	2

OTHER REQUIREMENTS

Communication 2301 or 2311	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
English 1301, 1302, one sophomore literature	9
Sophomore Literature, Philosophy, or Western Civilization	3
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences selected from Biology, Chemistry, Geology, Physics, Physical Science)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Education 4315, 4317, 4321, 4395, 4397	15
Educational Psychology 3311	3
Reading 4320	3

ELECTIVES

Electives	4
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The above plan meets all core curriculum and Bachelor of Music degree requirements. The BM degree with a music major (with all-level teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Music degree requirements are presented on page 1 of the addendum.

DEPARTMENTAL REQUIREMENTS: Piano proficiency certification, successful completion of sophomore upper-level exam and senior-level recital in the major instrument, concert/recital attendance, and participation in an ensemble during all semesters enrolled except student teaching are required by the Department of Art and Music.

DEPARTMENT OF COMMUNICATIONS, DRAMA, AND JOURNALISM

**BACHELOR OF ARTS
(Communication major)**

ACADEMIC MAJOR

Communication 1351 or 1361, 2301, 2345	9
Communication (two sophomore level courses)	6
Communication (Specialization Area or advanced)	12*
Communication (advanced)	6

OTHER REQUIREMENTS

English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303,1311, 1312, 1321, 2331, or 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Physics, Physical Science, or Geology)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Visual and Performing Arts (select one of the following Art, Drama, or Music) lower division	3
Humanities (select one of the following: English-an additional sophomore literature, History 2331 or 2332, or Philosophy 2301 or 2311)	3
Modern Language 2311, 2312 (also 1301, 1302 if necessary)	6-12**

SUPPORTING CONCENTRATION

Supporting Concentration	18
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ELECTIVES

Electives	25-31
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a communication major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Communication specialization areas are designed to provide students with the opportunity to focus their studies in a limited way in a particular area of the communication discipline. However, these specialization areas do not constitute separate academic majors or degree programs. The student who does not wish to select one of the specialization areas should take twelve semester hours of advanced communication courses.

- Advertising: 3321, 3342, 4335, 4355
- Interpersonal: 3351, 3352, 3355, 4311
- Organizational: 3335, 3352, 4351, 4371
- Public Relations: 3321, 3335, 3342, 4335
- Radio-Television: 3361, 3363, 4338 or 4364, 4365

**Refer to the B.A. degree requirements for Modern Languages on page 1 of the addendum.

BACHELOR OF ARTS
(Communication major with secondary teacher certification)*

ACADEMIC MAJOR (FIRST TEACHING FIELD)

Communication 1361, 2301, 2311, 2331, 2345	15
Communication 3321, 3311 or 4311, 3331, 4361	12
Communication (advanced)	6

OTHER REQUIREMENTS

English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, or 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Physics, Physical Science, or Geology)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3
Humanities (select one of the following: English-an additional sophomore literature, History 2331 or 2332, or Philosophy 2301 or 2311)	3
Modern Language 2311, 2312 (also 1301, 1302 if necessary)	6-12**
Educational Psychology 3311, Reading 4320	6
Education 4321, 4322, 4323, 4630	15

SECOND TEACHING FIELD

Second Teaching Field	24***
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ELECTIVES

Electives	3
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a communication major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Degree and certification requirements often will exceed the normal 130-semester-hour minimum for a baccalaureate degree.

**Refer to the B.A. degree requirements for the Modern Languages on page 1 of the addendum.

***A minimum of 24 semester-credit-hours is required for the Second Teaching Field, but some programs exceed the minimum.

Secondary Teacher Certification: The student who chooses Communication as a second teaching field must complete the following courses: Communication 1361, 2301, 2311, 2331, 2345, 3321, 3311 or 4311, 3331, and 4361.

Elementary Teacher Certification: Communication as an academic specialization for elementary teacher certification requires Communication 1351, 2301, 2331, 3331, 4361, and three advanced semester hours.

**BACHELOR OF ARTS
(Drama major)**

ACADEMIC MAJOR

Drama 1311, 1321	6
Drama 2331, 2334	6
Drama 3311, 4311, 4312, 4321	12
Drama (advanced)	12

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Communication/Journalism 2345, Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, or Music 2353)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Physics, Physical Science, or Geology)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Humanities (select one of the following: English-an additional sophomore literature, History 2331 or 2332, or Philosophy 2301 or 2311)	3
Modern Language 2311, 2312 (also 1301, 1302 if necessary)	6-12*

SUPPORTING CONCENTRATION

Supporting Concentration	18
(Minimum six advanced semester hours in residence)	

ELECTIVES

Electives	19-25
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a drama major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the B.A. degree requirements for the Modern Languages on page 1 of the addendum.

**BACHELOR OF ARTS
(Drama major with secondary teacher certification)***

ACADEMIC MAJOR (FIRST TEACHING FIELD)

Drama 1311, 1321	6
Drama 2331, 2334	6
Drama 3334, 4311, 4312, 4321, 4341	15
Drama (advanced)	6

OTHER REQUIREMENTS

Communication 2301 or 2331	3
Computer Literacy (select one of the following: Communication/Journalism 2345, Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, or Music 2353)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Physics, Physical Science, or Geology)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Humanities (select one of the following: English-an additional sophomore literature, History 2331 or 2332, or Philosophy 2301 or 2311)	3
Modern Language 2311, 2312 (also 1301, 1302 if necessary)	6-12**
Educational Psychology 3311, Reading 4320	6
Education 4321, 4322, 4323, 4630	15

SECOND TEACHING FIELD

Second Teaching Field	24-27***
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ELECTIVES

Electives	3
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a drama major (with teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Degree and certification requirements often will exceed the normal 130-semester-hour minimum for a baccalaureate degree.

**Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

***A minimum of 24 semester-credit-hours is required for the second teaching field, but some programs exceed the minimum.

Secondary Teacher Certification: The student who chooses Drama as a second teaching field must complete the following courses: Drama 1311, 1321, 2331, 2334, 3334, 4311, 4312, 4321, and 4341.

Elementary Teacher Certification: Drama as an academic specialization for elementary teacher certification requires Drama 1311, 1321, 2331, and nine advanced semester hours.

**BACHELOR OF ARTS
(Journalism major)**

ACADEMIC MAJOR

Journalism 1301 or 1361, 1311, 2345	9
Journalism 2311, (and two other sophomore courses)	9
Journalism (specialization area or advanced)	12*
Journalism (advanced)	6

OTHER REQUIREMENTS

Communication 2301	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, or 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Physics, Physical Science, or Geology)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3
Humanities (select one of the following: English-an additional sophomore literature, History 2331 or 2332, or Philosophy 2301 or 2311)	3
Modern Language 2311, 2312 (also 1301, 1302 if necessary)	6-12**

SUPPORTING CONCENTRATION

Supporting Concentration	18
(Minimum six advanced semester hours in residence)	

ELECTIVES

Electives	19-25
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a journalism major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Journalism specialization areas are designed to provide students with the opportunity to focus their studies in a limited way in a particular area of the Journalism discipline. However, these specialization areas do not constitute separate academic majors or degree programs. The student who does not wish to select one of the specialization areas should take twelve semester hours of advanced Journalism courses.

Advertising and Public Relations: 3314, 3335, 3342, 4335
 Corporate Communication: 3311, 3314, 4314, 4338
 Print: 3311, 3313, 3314, 3352 or 4364

Radio-Television: 3361, 3363, 4338 or 4364, 4365
 Visual Communication: 3322, 4314, 4322, 4325

**Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

BACHELOR OF ARTS
(Journalism major with secondary teacher certification)*

ACADEMIC MAJOR (FIRST TEACHING FIELD)

Journalism 1311, 1361, 2311, 2321, 2344, 2345	18
Journalism 3311, 3314, 3315, 4314, 4355, 4364	18

OTHER REQUIREMENTS

Communication 2301 or 2331	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, or 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Physics, Physical Science, or Geology)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3
Humanities (select one of the following: English-an additional sophomore literature, History 2331 or 2332, or Philosophy 2301 or 2311)	3
Modern Language 2311, 2312 (also 1301, 1302 if necessary)	6-12**
Educational Psychology 3311, Reading 4320	6
Education 4321, 4322, 4323, 4630	15

SECOND TEACHING FIELD

Second Teaching Field.	24-27***
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ELECTIVES

Electives	3
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a Journalism major (with teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Degree and certification requirements often will exceed the normal 130-semester-hour minimum for a baccalaureate degree.

**Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

***A minimum of 24 semester-credit-hours is required for the second teaching field, but some programs exceed the minimum.

Secondary Teacher Certification: The student who chooses Journalism as a second teaching field must complete the following courses: Journalism 1311, 1361, 2311, 2321, 2344, 3311, 3315, 4355, and 4364.

DEPARTMENT OF ENGLISH

BACHELOR OF ARTS (English Major)*

The English major requires a total of 36 semester hours, of which 24 must be advanced. The 24 advanced hours must include at least 3 hours from British literary period courses before 1800 (3301, 3302, 3303, or 3308), at least 3 hours from American Literature courses, and 3 hours in language studies (4358 or 4361). English majors may choose to specialize in professional writing (See English major with professional writing specialization). For majors who do not seek specialization, English 4353 is strongly recommended along with courses that have a strong literature base.

ACADEMIC MAJOR

English 1301, 1302, and sophomore literature	12
English (advanced)**	15
American Literature (advanced)	3
English 3301, 3302, 3303, or 3308	3
English 4358 or 4361 (advanced Language Studies)	3

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Geology, Physics, Physical Science)	8***
Physical Activity	1
Social Science (select one from the following: Economics, Geography, Psychology, Sociology) lower division ...	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3
Modern Languages 2311, 2312 (also 1301 and/or 1302 if necessary)	6-12****

SUPPORTING CONCENTRATION

Supporting Concentration	18
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ELECTIVES

Electives	28-34
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with an English major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Degree requirements often will exceed the 130 semester-credit-hour minimum for a baccalaureate degree.

**Students may take either 3351 or 3352 for advanced credit--not both.

***Lab Science courses may be taken in one or two of the designated disciplines.

****Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

Professional Writing Specialization

English majors may specialize in professional writing by selecting the following courses from the major program: English 3351 or 3352; English 4341, 4343, 4358, or Drama 4314; English 4361; English 4373; and at least 12 hours of advanced literature courses, preferably with a strong writing component. Additional requirements for a writing specialization include the following courses, either as part of a supporting concentration or as electives: Journalism 2311; Journalism 3313 or 3314; and Communication/Journalism 2345. More generally, the hours of elective and supporting concentration courses allowed in the English program may be used in conjunction with course work in other departments to plan a program in pre-law, business, or other professional areas. Students should work closely with advisors in respective major departments to plan a degree program that best fits individual needs and goals.

BACHELOR OF ARTS
(English major with secondary teacher certification)*

Students must have been admitted into the Teacher Education Student Teaching Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

A major in English with Secondary Teacher Certification requires a total of 36 semester hours of which 24 must be advanced. The 24 advanced hours must include 6 hours of American Literature, 3 hours of British Literature before 1800 (3301, 3302, 3303, or 3308), 4320, 4358, and 4361.

ACADEMIC MAJOR (FIRST TEACHING FIELD)

English 1301, 1302, and sophomore literature	12
English (advanced)**	6
American Literature (advanced)	6
English 3301, 3302, 3303, or 3308	3
English 4320	3
English 4358	3
English 4361	3

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
Government 2301, 2302	6
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Geology, Physics, Physical Science)	8***
Physical Activity	1
Social Science (select one from the following: Economics, Geography, Psychology, Sociology) lower division ...	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3
Modern Languages 2311, 2312 (also 1301 and/or 1302 if necessary)	6-12****
Education 4321, 4322, 4323, 4630	15
Educational Psychology	3
Reading 4320	3

SECOND TEACHING FIELD

Second Teaching Field	24*****
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ELECTIVES

Electives	1-7
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with an English major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Degree requirements often will exceed the 130 semester-credit-hour minimum for a baccalaureate degree.

**Students may take either 3351 or 3352 for advanced credit--not both.

***Lab science courses may be taken in one or two of the designated disciplines.

****Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

*****A minimum of 24 semester-credit-hours is required for the second teaching field, but some programs exceed the minimum.

Secondary Teacher Certification: The student who chooses English as a second teaching field must complete 27 semester hours in English from the following: English 1301 or its equivalent, 1302, 6 semester hours of sophomore literature, and 15 advanced semester hours, of which at least 3 hours must be in American literature (excluding English 3335), 3 hours in advanced language studies (4358 or 4361), and English 4320. Students may take either 3351 or 3352 for advanced credit, but not both courses.

Elementary Teacher Certification: English as an academic specialization for elementary teacher certification requires English 1301 or its equivalent, 1302, 6 semester hours of sophomore literature, and 12 advanced semester hours, including 3349.

ExCET Eligibility: To be eligible to take the Examination for the Certification of Educators in Texas (ExCET) in Secondary English, students must satisfy the applicable State and University minimum requirements as well as the following departmental requirements. Students must have completed English 4320 with a grade of C or better and must have satisfactorily completed the ExCET Preparation Workshop in Secondary English.

DEPARTMENT OF GOVERNMENT

BACHELOR OF ARTS (Government major)

ACADEMIC MAJOR

Government 2301, 2302	6
Government 3301	3
Government 3331, 3332, 4331, 4332	3
Government 3341, 3351, 4351, 4353, 4354	3
Government 3305, 4310, 4311	3
Government (advanced American Government exclusive of those listed above)	6
Government (advanced)	9

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345	3
English 1301, 1302, one sophomore literature	9
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Geology, Physics, Physical Science)	8
Physical Activity	1
Social Science (select one from the following: Economics, Geography, Psychology, Sociology) lower division ...	3
Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division	3
Modern Languages 2311, 2312 (also 1301 and 1302 if necessary)*	6-12
Humanities (Sophomore Literature, Philosophy, or Western Civilization)	3

SUPPORTING CONCENTRATION

Supporting Concentration	18
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ELECTIVES

Electives	25-31
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a government major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

BACHELOR OF ARTS
(Government major with secondary teacher certification)

ACADEMIC MAJOR

Government 2301, 2302	6
Government 3301	3
Government 3331, 3332, 4331, 4332	3
Government 3341, 3351, 4351, 4353, 4354	3
Government 3305, 4310, 4311	3
Government (advanced American government courses exclusive of those listed above)	6
Government (advanced)	9

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
English 1301, 1302, one sophomore literature	9
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Geology, Physics, Physical Science)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division	3
Modern Language 2311, 2312 (Also 1301 and 1302 if necessary)	6-12*
Humanities (Sophomore Literature, Philosophy, or Western Civilization)	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3

SECOND TEACHING FIELD

Second Teaching Field	24**
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ELECTIVES

Electives	3-4
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a government major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA requirements for the Modern Languages on page 1 of the addendum.

**A minimum of 24 semester credit hours is required for the second teaching field, but some programs exceed the minimum.

BACHELOR OF ARTS
(Government major with Criminal Justice Option)

ACADEMIC MAJOR

Government 2301, 2302	6
Government 3303, 3305, 3307, 3361, 4301, 4302, 4311	12
Government (advanced)	12
Criminal Justice 2302, 2304, 2306, 2308, 2310, 2312, 2314	21
Criminal Justice (advanced)	3
Criminal Justice 4371 (Internship)	3

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
English 1301, 1302, one sophomore literature	9
History 1301, 1302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Geology, Physics, Physical Science)	8
Physical Activity	1
Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division	3
Modern Language (The Criminal Justice Option requires Spanish 2311, 2312. Also 1301 and 1302 if necessary)*	6-12
Humanities (Sophomore Literature, Philosophy, or Western Civilization)	3

SUPPORTING CONCENTRATION IN PSYCHOLOGY AND SOCIOLOGY

Psychology 2301	3
Psychology 3307, 3309, 4301, 4305	6
Sociology 2301	3
Sociology 3341, 3343, 4341	9

ELECTIVES

Electives	3-7
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a government major (criminal justice option) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA requirements for the Modern Languages on page 1 of the addendum.

DEPARTMENT OF HISTORY

BACHELOR OF ARTS (History major)

ACADEMIC MAJOR

History 1301 and 1302	6
History 2331 and 2332	6
Advanced United States History	9
Advanced non-United States History	9

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
English 1301, 1302, and sophomore literature	12
Government 2301, 2302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Geology, Physics, Physical Science)	8
Physical Activity	1
Social Science (select one from the following: Economics, Geography, Psychology, Sociology) lower division ...	3
Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division	3
Modern Languages 2311, 2312 (also 1301 and 1302 if necessary)*	6-12
Geography (in addition to any social science selection above)	3

SUPPORTING CONCENTRATION

Supporting Concentration	18
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ELECTIVES

Electives	25-31
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a history major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

BACHELOR OF ARTS
(History major with secondary teacher certification)

ACADEMIC MAJOR

History 1301 and 1302	6
History 2331 and 2332	6
History 3301 or 4302	3
History 4350	3
Advanced U. S. History (excluding 3301, 4302, & 4350)	6
Advanced non-United States History	9

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
English 1301, 1302, and sophomore literature	12
Government 2301, 2302	6
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science(two lab sciences from Biology, Chemistry, Geology, Physics, Physical Science)	8
Physical Activity	1
Social Science (select one from the following: Economics, Geography, Psychology, Sociology) lower division ...	3
Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division	3
Modern Languages 2311, 2312(also 1301 and 1302 if necessary)*	6-12
Geography 3303	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311 & Reading 4320	6

SECOND TEACHING FIELD

Second Teaching Field	24-27
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ELECTIVES

Electives	3
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a history major (with teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

BACHELOR OF ARTS
(History major with secondary composite social studies certification)

ACADEMIC MAJOR

History 1301 and 1302	6
History 2331 and 2332	6
History 3301 or 4302	3
History 4350	3
Advanced U. S. History (excluding 3301, 4302, & 4350)	6
Advanced non-United States History	9

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345)	3
English 1301, 1302, one sophomore literature	9
Math (select one of the following: 1302, 1303, 1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Geology, Physics, Physical Science)	8
Physical Activity	1
Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division	3
Modern Languages 2311, 2312 (also 1301 and 1302 if necessary)*	6-12
Sophomore Literature or Philosophy	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311 & Reading 4320	6

SECOND TEACHING FIELD

Government 2301 and 2302	6
Government (advanced)	12
Economics 2300	3
Economics 3331	3
Geography (select two of 2301, 3302, or 3303)	6

ELECTIVES

Electives	3-9
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a history major (with secondary composite social studies certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

DEPARTMENT OF MODERN LANGUAGES

BACHELOR OF ARTS (French, German or Spanish major)

ACADEMIC MAJOR

French, German, or Spanish (1301,1302,2311,2312)	12
French, German, or Spanish Advanced	18

OTHER REQUIREMENTS

Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics (select one of the following: 1302, 1303,1311, 1312, 1321, 2331, 2332)	3
Natural Science (two lab sciences from Biology, Chemistry, Physics, Physical Science, Geology)	8
Physical Activity	1
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division	3
Humanities: Sophomore English Lit, Hist 2331, 2332, Phil 2301, 2311 (select one of the following: English-an additional sophomore literature, History 2331 or 2332, Philosophy 2301 or 2311)	3

SUPPORTING CONCENTRATION

Supporting Concentration	18
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ELECTIVES

Electives	34
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a French, German, or Spanish major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

BACHELOR OF ARTS
(French major with secondary teacher certification)

ACADEMIC MAJOR

French 1301, 1302, 2311, 2312	12
Advanced 3311, and 5 additional advanced courses	18

OTHER REQUIREMENTS

Art, Drama, Music (lower division)	3
Biology, Chemistry, Geology, Physical Science (including two lab courses)	8
Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323)	3
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Philosophy, Western Civilization, or sophomore English literature	3
Reading 4320	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3

SECOND TEACHING FIELD

Second Teaching Field	24
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ELECTIVES

Electives	10
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a French major (with teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are found on page 1 of the addendum.

Secondary Teacher Certification: A student who chooses French for a second teaching field must complete the following courses: French 1301, 1302, 2311, 2312, 3311 and nine advanced semester hours.

Elementary Teacher Certification: The student who chooses French as an academic specialization for elementary teacher certification requires: French 1301, 1302, 2311, 2312, 3311, and six advanced semester hours.

Students seeking teacher certification will work closely with faculty in their preparation for the ExCET exam and TOPT (Texas Oral Proficiency Test) in French.

BACHELOR OF ARTS
(German major with secondary teacher certification)

ACADEMIC MAJOR

German 1301, 1302, 2311, 2312	12
Advanced 3311, and 5 additional advanced courses	18

OTHER REQUIREMENTS

Art, Drama, Music (lower division)	3
Biology, Chemistry, Geology, Physical Science (including two lab courses)	8
Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323,)	3
Social Science: (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Philosophy, Western Civilization, or sophomore English literature	3
Reading 4320	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3

SECOND TEACHING FIELD

Second Teaching Field	24
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ELECTIVES

Electives	10
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a German major (with teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are found on page 1 of the addendum.

Secondary Teacher Certification: A student who chooses German for a second teaching field must complete: the following courses: German 1301, 1302, 2311, 2312, 3311 and nine advanced semester hours.

Elementary Teacher Certification: German as an academic specialization for elementary teacher certification requires must complete: German 1301, 1302, 2311, 2312, 3311, and six advanced semester hours.

BACHELOR OF ARTS
(Spanish major with secondary teacher certification)

ACADEMIC MAJOR

Spanish 1301, 1302, 2311, 2312	12
Spanish Advanced (two courses each from)	
a) 3311, 3312, 3313, and 3315	
b) 3314, 3332, 3333, and 4381	
c) 3321, 3323, 3325, and 3327	18

OTHER REQUIREMENTS

Art, Drama, Music (lower division)	3
Biology, Chemistry, Geology, Physical Science, (including two lab courses)	8
Communication 2301	3
Computer Literacy (select one of the following: Computer Science 1331, Finance 2323, University Studies 2323, Education 2323,)	3
Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Philosophy, Western Civilization, or sophomore English literature	3
Reading 4320	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3

SECOND TEACHING FIELD

Second Teaching Field	24
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ELECTIVES

Electives	10
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a Spanish major (with teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are found on page 1 of the addendum.

Secondary Teacher Certification: A student who chooses Spanish for a second teaching field must complete: the following courses: Spanish 1301, 1302, 2311, 2312, 3311 and nine advanced semester hours.

Elementary Teacher Certification: Spanish as an academic specialization for elementary teacher certification requires Spanish 1301, 1302, 2311, 2312, 3311, and six advanced semester hours.

Students seeking teacher certification will work closely with faculty in their preparation for the ExCET exam and TOPT (Texas Oral Proficiency Test) in Spanish.

DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

BACHELOR OF ARTS (Psychology major)

ACADEMIC MAJOR

Psychology 2301	3
Psychology 1303, 2304, 2305	6
Psychology 3305	3
Psychology 3303, 3307, 4301, 4303, 4305, 4313	9
Psychology (advanced)	6
Psychology	36

OTHER REQUIREMENTS

Communication 2301	3
Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Math 1302, 1303, 1311, 1312, 1321, 2331, 2332	3
Natural Science (two lab sciences from Biology, Chemistry, Physics, Physical Science, Geology)	8
Physical Activity	1
Art, Drama, Music (lower division course)	3
History 2331, 2332; Philosophy 2301, 2311, sophomore literature	3
Modern Language 1301, 1302, 2311, 2312*	6-12

SUPPORTING CONCENTRATION**

Supporting Concentration	18
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ELECTIVES

Electives	19-25***
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a psychology major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

**All multiple area concentrations must include at least 9 semester credit hours in each discipline of which at least 6 semester credit hours must be advanced (3000 or 4000 level courses). Thus a supporting concentration from two disciplines would have 9 hours from each discipline with 6 advanced for each discipline. A supporting concentration from three disciplines would total 27 hours with 18 advanced hours.

**BACHELOR OF SCIENCE
(Psychology major)**

ACADEMIC MAJOR

Psychology 2301	3
Psychology 1303, 2304, 2305	6
Psychology 3305, 4321	6
Psychology 3303, 3307, 4301, 4303, 4305, 4313	9
Psychology (advanced)	6
Psychology	3

OTHER REQUIREMENTS

Art, Drama, Music (lower division course)	3
Biology 2324 & 2424	8
Chemistry, Physics, Physical Science	8
Communication 2301	3
Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
History 2331, 2332; Philosophy 2301, 2311, sophomore literature	3
Math 1302, 1303, 1311, 1312, 1321, 2331, 2332	3
Physical Activity	1

SUPPORTING CONCENTRATION*

Supporting Concentration	18
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ELECTIVES

Electives	26
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The above plan meets all core curriculum and Bachelor of Science degree requirements. The BS degree with a psychology major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Science degree requirements are presented on page 1 of the addendum.

*All multiple area concentrations must include at least 9 semester credit hours in each discipline of which at least 6 semester credit hours must be advanced (3000 or 4000 level courses). Thus a supporting concentration from two disciplines would have 9 hours from each discipline with 6 advanced for each discipline. A supporting concentration from three disciplines would total 27 hours with 18 advanced hours.

**BACHELOR OF ARTS
(Sociology major)**

ACADEMIC MAJOR

Sociology 2301	3
Sociology 3301, 3325	3
Sociology 4301	3
Sociology (advanced)	12
Sociology	9

OTHER REQUIREMENTS

Art, Drama, Music (lower division course)	3
Biology, Chemistry, Geology, Physics, Physical Science	8
Communication 2301	3
Computer Science 1331, Finance 2323, University Studies 2323, Education 2323, Animal Science 1351, Music 2353, Communication/Journalism 2345	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
History 2331, 2332; Philosophy 2301, 2311, sophomore literature	3
Math 1302, 1303, 1311, 1312, 1321, 2331, 2332	3
Modern Language 2311, 2312 (also 1301 and 1302 if necessary)*	6-12
Physical Activity	1

SUPPORTING CONCENTRATION**

Supporting Concentration	18
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ELECTIVES

Electives	25-31
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a sociology major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*Refer to the BA degree requirements for the Modern Languages on page 1 of the addendum.

**All multiple area concentrations must include at least 9 semester credit hours in each discipline of which at least 6 semester credit hours must be advanced (3000 or 4000 level courses). Thus a supporting concentration from two disciplines would have 9 hours from each discipline with 6 advanced for each discipline. A supporting concentration from three disciplines would total 27 hours with 18 advanced hours.

**BACHELOR OF SCIENCE
(Sociology major)**

ACADEMIC MAJOR

Sociology 2301	3
Sociology 3301, 3325	3
Sociology 4301	3
Sociology (advanced)	12
Sociology	9

OTHER REQUIREMENTS

Art, Drama, Music (lower division course)	3
Biology 1410, 1411	8
Chemistry, Physics, Physical Science	8
Communication 2301	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
History 2331, 2332; Philosophy 2301, 2311, sophomore literature	3
Math 1302, 1303, 1311, 1312, 1321, 2331, 2332	3
Math 3321	3
Physical Activity	1
University Studies 2323	3

SUPPORTING CONCENTRATION*

Supporting Concentration	18
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ELECTIVES

Electives	26
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The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a sociology major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours. All Bachelor of Arts degree requirements are presented on page 1 of the addendum.

*All multiple area concentrations must include at least 9 semester credit hours in each discipline of which at least 6 semester credit hours must be advanced (3000 or 4000 level courses). Thus a supporting concentration from two disciplines would have 9 hours from each discipline with 6 advanced for each discipline. A supporting concentration from three disciplines would total 27 hours with 18 advanced hours.

COLLEGE OF PROFESSIONAL STUDIES

Robert K. Hegglund, Ph.D., Dean

Department of Accounting, Economics and Finance

Department of Aerospace Studies

**Department of Business Administration
(Business, Management, and Marketing)**

Department of Computer Science

Department of Education

Department of Kinesiology

DEPARTMENT OF ACCOUNTING, ECONOMICS AND FINANCE

BACHELOR OF BUSINESS ADMINISTRATION

(Accounting major)

ACADEMIC MAJOR

Accounting 2301, 2302, 3303, 3304, 3305, 3331, 3361, 4303, 4311, and one advanced accounting elective	30
Business Administration 1301, 2331, 3345, 4303	12
Economics 2301, 2302	6
Finance 2323, 3361	6
Management 3301, 3305	6
Marketing 3321	3

OTHER REQUIREMENTS

English 1301, 1302, sophomore literature, 3352	12
Math 1302 or 1311, 1312	6
Science (two lab courses)	8
History 1301, 1302	6
Government 2301, 2302	6
Communication 2301	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3
Physical Activity	2
Psychology	3

SUPPORTING CONCENTRATION (optional)	0
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Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES	9
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Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

FREE ELECTIVES	9
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**BACHELOR OF BUSINESS ADMINISTRATION
AND
MASTER OF BUSINESS ADMINISTRATION
(BBA/MBA in Accounting)**

ACADEMIC MAJOR

Accounting 2301, 2302, 3303, 3304, 3305, 3331, 3361, 4303, 4311, 4312, 6303, 6313, 6317, 6361, 6362	45
Business Administration 2331, 3345, 3346, 6301	12
Economics 2301, 2302, 6311	39
Finance 2323, 3361, 6301	9
Management 3301, 6311, 6312, 6313	12
Marketing 3321, 6301	6

OTHER REQUIREMENTS

English 1301, 1302, sophomore literature, 3352	12
Math 1302 or 1311, 1312	6
Science (two lab courses)	8
History 1301, 1302	6
Government 2301, 2302	6
Communication 2301	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3
Physical Activity	2
Psychology	3

SUPPORTING CONCENTRATION (optional) 0

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES 9

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

FREE ELECTIVES 3

BACHELOR OF BUSINESS ADMINISTRATION
(Finance major)

ACADEMIC MAJOR

Finance 2323, 3360, 3361, 3365, 4361, 4363, 4364, 4366, 4367, and two electives from Accounting, Economics, Finance, or Marketing	33
Accounting 2301, 2302, 3303, 3305	12
Business Administration 1301, 2331, 3345, 4303	12
Economics 2301, 2302	6
Management 3301, 3305	6
Marketing 3321	3

OTHER REQUIREMENTS

English 1301, 1302, sophomore literature, 3352	12
Math 1302 or 1311, 1312	6
Science (two lab courses)	8
History 1301, 1302	6
Government 2301, 2302	6
Communication 2301	3
Visual and Performing Arts (select one of the following: Art, Drama,, or Music) lower division	3
Physical Activity	2
Psychology	3

SUPPORTING CONCENTRATION (optional) 0

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES 9

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

**BACHELOR OF BUSINESS ADMINISTRATION
(Finance with Real Estate Option)**

ACADEMIC MAJOR

Finance 2323, 3361, 3371, 3372, 3373, 3374, 4371, 4372 and three advanced electives from Accounting, Economics, Finance, or Marketing	33
Accounting 2301, 2302, and 3301, 3303, or 3331	9
Business Administration 1301, 2331, 3345, 4303	12
Economics 2301, 2302	6
Management 3301, 3305	6
Management Information Systems 3343	3
Marketing 3321	3

OTHER REQUIREMENTS

English 1301, 1302, sophomore literature, 3352	12
Math 1302 or 1311, 1312	6
Science (two lab courses)	8
History 1301, 1302	6
Government 2301, 2302	6
Communication 2301	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3
Physical Activity	2
Psychology	3

SUPPORTING CONCENTRATION (optional)	0
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Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES	9
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Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

The above plan meets all core curriculum and BBA requirements.

DEPARTMENT OF BUSINESS ADMINISTRATION

BACHELOR OF BUSINESS ADMINISTRATION (General Business Major)

ACADEMIC MAJOR

Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 3332, 4303 and one advanced course	18
Business electives: Any combination of three advanced courses from Accounting, Business Administration, Computer Science, Economics, Finance, Management, Management Information Systems, Marketing ..	9
Economics 2301, 2302, one advanced course	9
Finance 2323, 3361, one advanced course	9
Management 3301, 3305, 3307	9
Management Information Systems 3343	3
Marketing 3321 and 3322, 4325 or 4326	6

OTHER REQUIREMENTS

Communication 2301	3
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Math 1302 or 1311, 1312	6
Natural Science (two lab courses)	8
Physical Activity (two courses)	2
Psychology	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3

SUPPORTING CONCENTRATION (optional) 0

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments

ELECTIVES 9

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

The above plan meets all core curriculum and general BBA requirements.

BACHELOR OF BUSINESS ADMINISTRATION
(General Business with an International Option major)

ACADEMIC MAJOR

Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 3311, 3332, 4303	18
Business electives: Any combination of two advanced courses from Accounting, Business Administration, Economics, Finance, Management, Management Information Systems or Marketing	6
Economics 2301, 2302, 3331, 4307	12
Finance 2323, 3361, 4367	9
Management 3301, 3305	6
Management Information Systems 3343	3
Marketing 3321	3

OTHER REQUIREMENTS

Communication 2301	3
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
Geography, Government and/or History: (select two courses from the following: Geography 3303, Government 3351, 4331, 4351, 4353, 4354, 4381, History 4333, 4341, 4351, 4355, 4381)	6
History 1301, 1302	6
Math 1302 or 1311, 1312	6
Modern Language 2311, 2312	6
Natural Sciences	8
Physical Activity (two courses)	2
Psychology	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3

SUPPORTING CONCENTRATION (Optional)	0
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Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES	3
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Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

The above plan meets all core curriculum and general BBA requirements.

**BACHELOR OF BUSINESS ADMINISTRATION
(Management major)**

ACADEMIC MAJOR

Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 4303 and one course from 3332, 4319 or MIS 4344	15
Business electives any combination of three advanced courses from Accounting, Business Administration, Computer Science, Economics, Finance, Management, Management Information Systems or Marketing .	9
Economics 2301, 2302	6
Finance 2323, 3361	6
Management 3301, 3303, 3305, 3307, 4301	15
Management, Business Administration, or Management Information Systems (any combination of two advanced courses)	6
Management Information Systems 3343	3
Marketing 3321	3

OTHER REQUIREMENTS

Communication 2301	3
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Math 1302 or 1311, 1312	6
Natural Science (two lab courses)	8
Physical Activity (two courses)	2
Psychology	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3

SUPPORTING CONCENTRATION (optional)	0
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Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments

ELECTIVES	9
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Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

The above plan meets all core curriculum and general BBA requirements.

BACHELOR OF BUSINESS ADMINISTRATION
(General Business with a Management Information Systems Option major)

ACADEMIC MAJOR

Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 4303, and 3332 or 4319	15
Business electives: Any combination of two advanced courses from Accounting, Business Administration, Computer Science, Economics, Finance, Management, Management Information Systems or Marketing .	6
Economics 2301, 2302	6
Finance 2323, 3361, 4366	9
Management 3301, 3303 or 4301, 3305, 3307 or 4306	12
Management Information Systems 3303, 3343, 4336, 4344	12
Marketing 3321	3

OTHER REQUIREMENTS

Communication 2301	3
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Math 1302 or 1311, 1312	6
Natural Science (two lab courses)	8
Physical Activity (two courses)	2
Psychology	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3

SUPPORTING CONCENTRATION (optional) 0

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments

ELECTIVES 9

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

The above plan meets all core curriculum and general BBA requirements.

**BACHELOR OF BUSINESS ADMINISTRATION
(Marketing major)**

ACADEMIC MAJOR

Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 3332, 4303	15
Business electives: Any combination of three advanced courses from Accounting, Business Administration, Computer Science, Economics, Finance, Management, Management Information Systems, or Marketing	9
Economics 2301, 2302	6
Finance 2323, 3361	6
Management 3301, 3305	6
Management Information Systems 3343	3
Marketing 3321, 3322, 4325, 4326, (two other advanced Marketing courses)	18

OTHER REQUIREMENTS

Communication 2301	3
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Math 1302 or 1311, 1312	6
Natural Science (two lab courses)	8
Physical Activity (two courses)	2
Psychology	3
Visual and Performing Arts (select one of the following: Art, Drama, or Music) lower division	3

SUPPORTING CONCENTRATION (optional) 0

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES 9

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

The above plan meets all core curriculum and general BBA requirements.

DEPARTMENT OF COMPUTER SCIENCE

BACHELOR OF BUSINESS ADMINISTRATION (Computer Science major)

ACADEMIC MAJOR

Computer Science 2301, 2311, 2323, 3302, 3324, 3341, 4302, 4341, and six advanced hours
in Computer Science 30

OTHER REQUIREMENTS

Communication 2301 3
 Computer Science 1331 3
 Economics 2301, 2302 6
 English 1301, 1302, one sophomore literature 9
 Government 2301, 2302 6
 History 1301, 1302 6
 Mathematics 1321, 2331, (including 2332) 9
 Natural Science (two lab science courses) 8
 Physical Activity 2
 Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division 3
 English 3352 3
 Psychology 3
 Accounting 2301, 2302, and 3301 9
 Business Administration 1301, 2331, 2345, and 4303 12
 Finance 3361 3
 Management 3301, 3305 6
 Marketing 3321 3

SUPPORTING CONCENTRATION (optional for BBA degree) 18

ELECTIVES (must be taken outside of two business departments) 6

The above plan meets all core curriculum and general BBA requirements.

**BACHELOR OF SCIENCE
(Computer Science major)**

ACADEMIC MAJOR

Computer Science 2301, 2311, 2323, 3302, 3324, 3341, 4301, 4302, and six advanced hours
in Computer Science 30

OTHER REQUIREMENTS

Communication 2301 3
 Computer Science 1331 3
 English 1301, 1302, one sophomore literature 9
 Government 2301, 2302 6
 History 1301, 1302 6
 Mathematics (including 2332) 9
 Biology or Geology* 8
 Physical Activity 1
 Social Science (select one of the following: Economics, Geography, Psychology, Sociology) lower division 3
 Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division 3
 English 3351 3
 Chemistry, Physical Science or Physics (including Physics 3444)* 6-8

SUPPORTING CONCENTRATION 18

ELECTIVES (Including 12 advanced hours) 20-22

The above plan meets all core curriculum and general BS requirements.

*At least two of the science courses completed for this degree must include a lab component.

BACHELOR OF SCIENCE WITH TEACHER CERTIFICATION
(Computer Science major and secondary teacher certification with
Mathematics for the second teaching field)*

ACADEMIC MAJOR

Computer Science 2301, 2311, 2323, 3302, 3324, 3341, 4301, 4302, and six advanced hours
in Computer Science 30

OTHER REQUIREMENTS

Communication 2301 or 2331 3
Computer Science 1331 3
English 1301, 1302, one sophomore literature 9
Government 2301, 2302 6
History 1301, 1302 6
Mathematics 1302 3
Biology or Geology ** 8
Physical Activity 1
Social Science (select one of the following: Economics, Geography, Psychology or Sociology) lower division ... 3
Visual and Performing Arts (select one of the following: Art, Drama, Music) lower division 3
English 3351 3
Chemistry, Physical Science or Physics (including Physics 3444)** 6-8
Education 4321, 4322, 4323, 4630 15
Educational Psychology 3311 3
Reading 4320 3

SECOND TEACHING FIELD

Mathematics 1303, 1321, 2331, 2332, 3301, 3307, 3333, 4322 21

ELECTIVES 3

*If a second teaching field other than Mathematics is chosen, Mathematics courses through (including Mathematics 2332) must be completed and more than 130 semester hours may be required for the degree.

**At least two of the science courses completed for this degree must include a lab component.

The above plan meets all core curriculum and general BS requirements.

DEPARTMENT OF EDUCATION

BACHELOR OF SCIENCE (Interdisciplinary Child Development and Learning major elementary certification program)

ACADEMIC MAJOR

Reading 2306, 2307, 3331, 3332, 4301, 4302	18
Educational Psychology 3301	3
Special Education 2361	3
Mathematics 1341, 1342	6

OTHER REQUIREMENTS

Communication 2301 or 2331	3
Education 2323	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302	3
Biology and/or Geology*	8
Chemistry, Physics, and/or Physical Science*	6
Economics, Geography, Psychology, Sociology (lower division)	3
Art, Music, Drama (lower division)	3
Physical Activity	1

ACADEMIC SPECIALIZATION	18-24
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PROFESSIONAL EDUCATION

Students must have passed all sections of the TASP test before enrolling in the Education courses listed below.

Education 4311, 4313, 4315, 4317	12
Student Teaching	6
The student must choose the appropriate student teaching option:	
1. Elementary Grades 1-6, Ed 4614	
2. Elementary and Early Childhood Endorsement, Ed 4392, Ed 4395	
3. Elementary and ESL Endorsement, Ed 4394, Ed 4395	
4. Elementary and Generic Special Education, Ed 4393, Ed 4395	
5. Elem., Early Childhood. and ESL Endorsements, Ed 4392, Ed 4394	
6. Elem., Early Childhood., and Gen. Spec. Ed ., Ed 4392, Ed 4393	

ELECTIVES	7-13
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Elective hours may be used to complete requirements for endorsements.

*At least two of the science courses completed for this degree must include a lab component.

The above plan meets all core curriculum and general BS requirements.

DEPARTMENT OF KINESIOLOGY

BACHELOR OF SCIENCE (Kinesiology major)

ACADEMIC MAJOR

Kinesiology 1311, 1363, 2341, 3341, 3361, 4351, 4370, 4372, two advanced courses and one of the following courses: 2321, 2322, 2323, 2324, 2325, 2355 or 2363 33

OTHER REQUIREMENTS

Chemistry, Physics and/or Physical Science 6-8
 Communication 2301 3
 Computer Science 1331, Finance 2323, University Studies 2323, or Education 2323 3
 English 1301, 1302, one sophomore literature 9
 History 1301, 1302 6
 Government 2301, 2302 6
 Mathematics 1302, 1303, 1311, 1312, or 1321 3
 Biology 2423, 2424 8
 Economics, Geography, Psychology, or Sociology (lower level) 3
 Art, Drama, or Music (lower level) 3
 Physical Activity 4
 [Physical Activity 1112* and three additional PA courses (courses may not be repeated).
 PA 2101 may be used once for credit]

*A swimming proficiency test may be taken *prior to the accumulation of 90 sch.* This is a proficiency test only. Credit is not given for PA 1112.

SUPPORTING CONCENTRATION

Eighteen hours, six of which must be advanced and in residence 18

ELECTIVES

Certain supporting academic specializations may require additional electives 25-27

The above plan meets all core curriculum and general BS requirements.

BACHELOR OF SCIENCE
(Kinesiology major with teacher certification)

ACADEMIC MAJOR

Kinesiology 1311, 1363, 2341, 3341, 3361, 4351, 4370, 4372, one advanced course and one of the following courses: 2321, 2322, 2323, 2324, 2325, 2355 or 2363 30

OTHER REQUIREMENTS

Art, Drama or Music (lower level) 3
 Chemistry, Physics and/or Physical Science 6-8
 Communication 2301 or 2331 3
 Computer Science 1331, Finance 2323, University Studies 2323, or Education 2323 3
 English 1301, 1302, one sophomore literature 9
 Government 2301, 2302 6
 History 1301, 1302 6
 Mathematics 1302 3
 Biology 2423, 2424 8
 Economics, Geography, Psychology, or Sociology (lower level) 3
 Physical Activity 4
 [Physical Activity 1112* and three additional PA courses (courses may not be repeated).
 PA 2101 may count once for credit].

*A swimming proficiency test may be taken *prior to the accumulation of 90 sch.* This is a proficiency test only. Credit is not given for PA 1112.

SECOND TEACHING FIELD

Twenty-four hours, twelve of which must be advanced and in residence 24

ELECTIVES

Certain second teaching fields may require additional electives. 3

PROFESSIONAL EDUCATION

Students must have passed all sections of the TASP test before enrolling in the courses listed below.

Kinesiology 3357 3
 Education 4321, 4322, 4323 and 4630 15
 Reading 4320 3

The above plan meets all core curriculum and general BS requirements.

COLLEGE OF SCIENCES

David H. Loyd, Jr., Ph.D., Dean

Department of Agriculture

Department of Biology (including Medical Technology)

Department of Chemistry and Biochemistry

Department of Mathematics

Department of Nursing

Department of Physics (including Astronomy, Geology and Physical Science)

DEPARTMENT OF AGRICULTURE

BACHELOR OF SCIENCE (Animal Science major)

This degree is designed to meet the needs of individual students desiring a program of study in all aspects of the livestock industries including commercial production and management, animal feeding, health, nutrition, reproductive physiology, genetics, range and wildlife and live animal evaluation as well as other areas of the livestock, range and wildlife industries. In addition, students are involved in ongoing faculty research and livestock production practices that prepare graduates for careers in animal science production and business areas. This program is designed to meet the needs of individual students desiring an animal science degree along with a choice of supporting concentration between Range and Wildlife Management, Biology, Chemistry, Journalism, Communication, Criminal Justice, or all areas of Business.

ACADEMIC MAJOR

Animal Science 1351	3
Animal Science 1341, 2241 or 3241	5
Animal Science 3342, 3349, 3441, 3443, 4181, 4342, 4343, 4344, 4345, 4346	30

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology 1410, 1411; or 1301/1101, 2401; or 1301/1101, 2402	8
Chemistry 1411, 2153, 2353, 3331	11
Communication 2301	3
Economics, Geography, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Mathematics 1302 or 1311	3
Agriculture, Animal Science (3 SCH max) or Range and Wildlife Management Electives	6
Range and Wildlife Management 3331, 3332	6

SUPPORTING CONCENTRATION 18

ELECTIVES 9

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

SUPPORTING CONCENTRATIONS

Students may select a Supporting Concentration from any of those listed for a Bachelor of Science degree at Angelo State University. Students must take 18 SCH in their Supporting Concentration with at least 6 of those hours at an advanced level and in residence. Students desiring a Multiple Area Concentration must have 9 SCH in each area with at least 6 of those hours in each area at an advanced level and in residence. **Students must be counseled by the Department of Agriculture on Supporting Concentration requirements.** Supporting Concentrations of interest to Animal Science majors are as follows:

Students interested in careers in **Production Agriculture** and **Animal Husbandry** are encouraged to have a Supporting Concentration in either or a combination of:

Range and Wildlife Management
Biology
Chemistry

Students interested in careers in **Animal Research** or **Agricultural Research** are encouraged to have a supporting concentration in either or a combination of:

Range and Wildlife Management

Biology
Chemistry

Students interested in careers in **Agricultural Business** including sales of feed, pharmaceuticals, equipment, real estate or any other business or commerce should have a supporting concentration in either or a combination of up to three for a multiple area concentration:

Finance
Accounting
Management
Marketing
Economics
Business Administration (The Business Administration supporting concentration is a multiple-discipline concentration in which students must choose one course each from Accounting, Business Administration, Economics, Finance, Management, and Marketing.)

Students interested in careers in the area of **Agricultural Communications** or **Journalism** should have a Supporting Concentration in either or a combination of:

Communications
Journalism

Students interested in a career in **Natural Resource Management** and **Law Enforcement** should have a supporting concentration in:

Range and Wildlife Management
Criminal Justice

BACHELOR OF SCIENCE
(ASU-TAMU Cooperative Program in Agricultural Education at ASU)

This program is a dual degree plan that combines the Animal Science degree at Angelo State University with a degree in Agricultural Education at Texas A&M University. Upon completion of a minimum of 95 hours at ASU and 55 hours at TAMU in Agricultural Education, students will receive an Animal Science degree from ASU and an Agricultural Education degree from TAMU.

ACADEMIC MAJOR

Animal Science 1351	3
Animal Science 1341, 2241	5
Animal Science 3342, 3441, 3443, 4342, 4343, 4344, 4345	23

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology 1410, 1411	8
Chemistry 1411, 2153, 2353	8
Communication 2301	3
Economics 2301	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Mathematics 1311, 1312	6
Range and Wildlife Management 2321 or 3335, 3331, 3332	9
Special Education 2361	3
Educational Psychology 3311	3
Electives	3

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

Courses taken at Texas A&M University**4th Year**

Agronomy 301	4
Agricultural Education 301, 340 or 440, 427	7
Agricultural Economics 105, 314, 315, or 325*	3
Agricultural Systems Management Electives*	7
Interdisciplinary studies 210 or Educational Technology 305*	2-3
English Literature Elective*	3
English 210 or 310*	3
Kinesiology 199	3
Teacher Education 323	3

5th Year (Fall or Spring Only)

Agricultural Systems Management 412	2
Animal Science 484	1
Poultry Science 402	1
Agricultural Education 425, 426, 436, 481, 484	13

*Depends on course(s) selected at ASU & requirement of 36 credits at junior or senior level taken at TAMU.

**BACHELOR OF SCIENCE
(Pre-Veterinary Medicine Curriculum)**

Angelo State University offers a series of courses designed to qualify students for entrance to schools of veterinary medicine. It is the responsibility of the student to make all applications for admittance and to check admittance requirements of the school chosen. Before enrolling in the pre-veterinary medicine curriculum, the student should report to the Agriculture Department for advisement. If a student desires to earn a degree before entering a school of veterinary medicine, the student is advised to major in animal science and take a supporting concentration in Biology and Chemistry.

REQUIREMENTS

Animal Science 1341, 3441	7
Biology 1301, 2402, 3301, 3411	14
Chemistry 1411, 1412, 3151, 3351, 3152, 3352, 4331	19
Communication 2301	3
English 1301, one sophomore literature, 3351	9
Electives	2
Mathematics 1312 or 2331	3
Physics 1103, 1311, 1104, 1312	8

DEPARTMENT OF BIOLOGY

BACHELOR OF SCIENCE (Biology major with a supporting concentration in Chemistry*)

ACADEMIC MAJOR

Biology 1301, 2401, 2402; 2403 or 4423	15
Biology 3301, 3403, 4181, 4303, 4451	15
Biology (advanced)	12

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Chemistry 1411, 1412	8
Chemistry 3151, 3351, 3152, 3352; 4331 or 4332	11
Communication 2301	3
Animal Science 1351, Finance 2323, or University Studies 2323	3
Economics, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1321, 2331, 2332	6**
Physics 1103, 1311, 1104, 1312	8
Physical Activity	1

SUPPORTING CONCENTRATION

Chemistry	0*
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ELECTIVES	21***
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The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

*If second supporting concentration is chosen in addition to the 19 hours of required chemistry this degree may require additional hours.

**Many graduate programs, medical schools, and optometry schools require one semester of calculus.

***Many graduate programs require competence in a research tool (i.e., modern languages, statistics, computer language).

PREMEDICAL AND PREDENTAL STUDENTS
(Students planning to apply to medical or dental school)

A student interested in applying for admission to medical (including podiatry, optometry, chiropractic, or physician's assistant program) or dental school may major in any undergraduate discipline. Health professional school admission committees do not have a preference about an undergraduate major field or degree, so the student should select a major and degree plan consistent with career interests should medical or dental school plans not materialize. Selecting such an academic major, rather than a major in "Premedicine" or "Pre dentistry", will provide the student with all course requirements for health professions school and with an optional or alternative career choice as well.

Many health professions students major in Biology, but majors in all fields are given equal consideration for admission to medical and dental schools. For example, a student wishing to apply to either medical or dental school, may prepare for an alternative career in biology or pursue graduate work in biology by following the biology major/chemistry minor degree plan. Or if the alternative career is teaching at the public school level, then the student should follow any teacher certification degree with a first and second teaching field (i.e. biology and chemistry). Students may also pursue career options of medical technology by following the medical technology degree plan or in nursing by following the nursing degree program. However, the student must contact the Chairperson of the Health Professions Advisory Committee as soon as possible to discuss major field selection, and the student must work closely with this advisor to develop an academic program which will satisfy the requirements of both the major field and the professional schools to which the student wants to apply. Information concerning majors and admission requirements of health profession schools is available from the advisor, and regular conferences with this advisor are essential.

A student may qualify for the Bachelor of Science degree from Angelo State University by satisfactorily completing all of the specified course work for the Biology major with Chemistry supporting concentration as listed in the degree plan of the University Bulletin and at least one full year at an accredited American medical, dental, optometry, or podiatry school. That is, the only Angelo State courses for which the one year of health professions would substitute are general elective hours. Before considering this option, the student should consult with both the health professions advisor and with the Dean of Sciences. Final permission to pursue this option must be obtained from the Dean of Sciences.

PREPHYSICAL THERAPY AND PREOCCUPATIONAL THERAPY STUDENTS
(Students planning to apply for admission to physical therapy
or occupational therapy school)

Students interested in applying for admission to physical therapy or occupational therapy school can complete all required preadmission coursework as well as participate in suggested professional experiences while attending Angelo State University. Students attending ASU with the intent to fulfill required academic prerequisites for admission may do so without declaring a specific academic major; however, because admission to professional training programs is highly competitive, students are urged to select an academic major for an alternative career and work toward fulfillment of the requirements in conjunction with meeting the specific requirements of the physical therapy or occupational therapy schools. Many allied health professions students major in biology or psychology, but majors in all fields are given equal consideration for admission to physical therapy and occupational therapy schools. Students interested in these careers must meet with the prephysical therapy and preoccupational therapy advisor in the Biology Department to receive information pertinent to current program requirements and advising for course selection during the enrollment period prior to each semester. Students must work closely with this advisor to develop an academic program which will satisfy both the requirements of the professional program to which they are seeking admission and those of the chosen academic major. Regular conferences with the advisor are essential.

BACHELOR OF SCIENCE
(Biology major with secondary teaching certification - 130 semester hours)

ACADEMIC MAJOR (First Teaching Field)

Biology 1301, 2401, 2402, 2403	15
Biology 3301, 4181, 4303, 4451	11
Biology (advanced)	13

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Communication 2301 or 2331	3
Animal Science 1351, Finance 2323, University Studies 2323 or Education 2323	3
Chemistry 1411, 1412	8
Chemistry 3151, 3351, 3152, 3352	8
Economics, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature	9
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1321, 2331, 2332	6
Physical Activity	1
Reading 4320	3

SECOND TEACHING FIELD 10-24*

ELECTIVES 4

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

*A second teaching field may be selected from any of the disciplines listed in the Requirements for the Bachelor of Science Degree section on supporting concentrations, with the exceptions noted. However, if a second teaching field other than chemistry or life-earth science is chosen, more than 130 semester hours will be required for the degree.

Biology as a Teaching Field with Secondary Certification: A student who chooses biology for a second teaching field must complete the following courses: Biology 1301, 2401, 2402, 3301, 4181, 4303, 4451 and two additional advanced semester hours in biology.

Life-Earth Science as a Teaching Field with Secondary Certification : A student who chooses life-earth science for a second teaching field with biology as the first must complete the following courses: Geology 1401, Geology 1402 , Physics 1302, Biology 4412, and nine additional hours of advanced biology.

Life-Earth Science as a Teaching Field with Secondary Certification : A student who chooses life-earth science for a second teaching field with a first teaching field other than biology must complete the following courses: Geology 1401, Geology 1402, Physics 1302, Biology 1301, 2401 or 2402, 4412, and 4451.

Chemistry as a Teaching Field with Secondary Certification: A student who chooses chemistry for a second teaching field with biology as the first must complete the following additional courses: Chemistry 2421, 3201, 4181, one advanced hour.

Requirements for secondary certification in other second teaching field areas may be obtained under Department of Education Secondary Teacher Certification Second Teaching Field Areas on page 255 of the *Angelo State University 1999-2001 Bulletin*.

BACHELOR OF SCIENCE
(Medical Technology major with supporting concentrations in Biology and Chemistry)

ACADEMIC MAJOR

Medical Technology 4101, 4201, 4303, 4601, 4605, 4607, 4609 30*

OTHER REQUIREMENTS

Art, Drama, or Music (lower division) 3
 Communication 2301 3
 Finance 2323, or University Studies 2323, Education 2323, Animal Science 1351,
 Communication/Journalism 2345 or Music 2353 3
 Economics, Psychology, or Sociology (lower division) 3
 English 1301, 1302, one sophomore literature 9
 Government 2301, 2302 6
 History 1301, 1302 6
 Mathematics 1302 3
 Physics 1103, 1311, 1104, 1312 8
 Biology 2423, 2424, 3411, 3412, 3413, 4480 24
 Biology (advanced, 3421 or 4441 recommended) 7
 Chemistry 1411, 1412 8
 Chemistry 3151, 3351, 3152, 3352; 4331 or 4332 or 2421 11
 Physical Activity 1

SUPPORTING CONCENTRATIONS

Biology and Chemistry 0

ELECTIVES 5

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

*All medical technology courses are taken during the senior year. The following requirements must be met before enrolling in medical technology courses:

- C All degree course work other than medical technology courses must be completed.
- C To register for the medical technology program during the senior year, a student must have completed three years of the University degree program in medical technology with a grade point average of not less than 2.50 overall and 2.50 in biology and 2.50 in chemistry.
- C The student must apply for admission and be accepted by a hospital with which Angelo State University has an affiliation agreement. Admission requirements for the hospitals differ; therefore, it is important students interested in medical technology contact the medical technology advisor as soon as possible to discuss admission policies. Regular conferences with this advisor are essential.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

BACHELOR OF SCIENCE (Chemistry major)

The minimum standards for a professional chemistry degree as set forth by the American Chemical Society include: Chemistry 1411, 1412, 2421, 3151, 3152, 3262, 3351, 3352, 3361, 3362, 4521, and two advanced courses in chemistry. It is recommended that these standards be satisfied by choosing the appropriate chemistry courses as advanced electives. A supporting concentration must be taken in another academic field; biology, computer science, mathematics or physics is recommended.

ACADEMIC MAJOR

Chemistry 1411, 1412, 2421	12
Chemistry 3151, 3152, 3201, 3262, 3351, 3352, 3361, 3362, 4181	19
Chemistry (advanced)	10

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology	8
Communication 2301	3
Computer Science 1331, 2301	6
Economics, Geography, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature, 3351	12
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Physics 1103, 1104, 1331, 2342	8
Mathematics 1321, 2331, 2332	9*

SUPPORTING CONCENTRATION 18

ELECTIVES 6

*The student is expected to have completed two years of high school algebra and one-half year of high school trigonometry. If not, Mathematics 1302 or 1303 should be completed as applicable before enrollment in Mathematics 1321.

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

BACHELOR OF SCIENCE
(Biochemistry major with mandatory biology minor)

The minimum requirements for a Bachelor of Science degree in biochemistry stipulated by the American Chemical Society include: two semesters of biochemistry; cell biology; genetics; one semester of a laboratory in biochemical methods; and at least three semester hours of an advanced course that may be research culminating in a comprehensive written report. The proposed curriculum meets and exceeds these requirements.

ACADEMIC MAJOR

Chemistry 1411, 1412, 2421	12
Chemistry 3151, 3152, 3201, 3351, 3352, 4181, 4233, 4331, 4332, 4333, 4391	25
Chemistry (advanced)	4

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology 1301, 3301, 3403, 8 hrs advanced*	18
Communication 2301	3
Computer Science 1331	3
Economics, Geography, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature, 3351	12
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Physics 1103, 1104, 1311, 1312	8
Mathematics 1321, 2331, 2332	9**

SUPPORTING CONCENTRATION

Biology

ELECTIVES 17

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

*Biology 3411 and 4350 are recommended.

**The student is expected to have completed two years of high school algebra and one-half year of high school trigonometry. If not, Mathematics 1302 or 1303 should be completed as applicable before enrollment in Mathematics 1321.

BACHELOR OF SCIENCE
(Chemistry major with teacher certification)

ACADEMIC MAJOR (First Teaching Field)

Chemistry 1411, 1412, 2421	12
Chemistry 3151, 3152, 3201, 3351, 3352, 4181	11
Chemistry (advanced)	9

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology	8
Communication 2301 or 2331	3
Computer Science 1331	3
Economics, Geography, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Physics 1103, 1104, 1311, 1312	8
Mathematics 1302	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3

SECOND TEACHING FIELD 24*

ELECTIVES 3

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 semester hours of course work with a minimum of 39 advanced hours.

*Second teaching field requirements vary from one academic discipline to another.

Secondary Teacher Certification. Students electing a second teaching field in chemistry must take: Chemistry 1411, 1412, 2421, 3151, 3152, 3201, 3351, 3352, 4181, and three additional hours of advanced chemistry.

DEPARTMENT OF MATHEMATICS

BACHELOR OF ARTS (Mathematics major)

A prospective mathematics major should enter the University with a minimum of two full years of high school algebra, one full year of high school geometry, and one-half year of trigonometry.

ACADEMIC MAJOR

Mathematics 1302, 1303, 1321, 2331, 2332	15
Mathematics 3301, 3307, 3333, 4301, 4331, 4351	18
Mathematics (advanced)	3

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology, Chemistry, Geology, Physical Science, Physics (two lab courses)*	8
Communication 2301	3
Computer Science 1331, Finance 2323, or University Studies 2323	3
Economics, Psychology or Sociology (lower division)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Humanities: History 2331, History 2332, Philosophy 2301, Philosophy 2311, or sophomore literature offered by the English Department	3
Modern Language 2311, 2312 (also 1301, 1302 if necessary)**	6-12
Physical Activity	1

SUPPORTING CONCENTRATION 18

ELECTIVES 19-25

The above plan meets all core curriculum and general Bachelor of Arts degree requirements.

This degree requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

*Students may take the laboratory science courses in one or more disciplines.

**Refer to page 1 in this supplement for modern language requirements.

**BACHELOR OF ARTS
(Mathematics major with teacher certification)***

A prospective mathematics major should enter the University with a minimum of two full years of high school algebra, one full year of high school geometry, and one-half year of trigonometry.

ACADEMIC MAJOR (First Teaching Field)

Mathematics 1302, 1303, 1321, 2331, 2332	15
Mathematics 3301, 3307, 3333, 4301, 4322	15
Mathematics 4331 or 4351	3

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology, Chemistry, Geology, Physical Science, Physics (two lab courses)**	8
Communication 2301 or 2331	3
Computer Science 1331, Education 2323, Finance 2323, or University Studies 2323	3
Economics, Psychology, or Sociology (lower division)	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Humanities: History 2331, History 2332, Philosophy 2301, Philosophy 2311, or sophomore literature offered by the English Department	3
Modern Language 2311, 2312 (also 1301, 1302 if necessary)***	6-12
Physical Activity	1
Reading 4320	3

SECOND TEACHING FIELD

ELECTIVES

The above plan meets all core curriculum and general Bachelor of Arts degree requirements.

This degree requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

*Degree and teacher certification requirements will often exceed the 130 semester hour minimum.

**Students may take the laboratory science courses in one or more disciplines.

***Refer to page 1 in this supplement for modern language requirements.

Secondary Teacher Certification: A student who chooses mathematics for a second teaching field must complete the following courses: Mathematics 1302, 1303, 1321, 2331, 2332, 3301, 3307, 3333, and 4322.

**BACHELOR OF SCIENCE
(Mathematics major)**

A prospective mathematics major should enter the University with a minimum of two full years of high school algebra, one full year of high school geometry, and one-half year of trigonometry.

ACADEMIC MAJOR

Mathematics 1302, 1303, 1321, 2331, 2332	15
Mathematics 3301, 3307, 3333, 4301, 4331, 4351	18
Mathematics (advanced)	3

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology or Geology	8
Chemistry 1411, 1412	8
Communication 2301	3
Computer Science 1331, Finance 2323, or University Studies 2323	3
Economics, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature, 3351	12
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Physics 1103, 1331, 1104, 2342	8

SUPPORTING CONCENTRATION	18
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ELECTIVES	15
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The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

**BACHELOR OF SCIENCE
(Mathematics major with teacher certification)***

A prospective mathematics major should enter the University with a minimum of two full years of high school algebra, one full year of high school geometry, and one-half year of trigonometry.

ACADEMIC MAJOR (First Teaching Field)

Mathematics 1302, 1303, 1321, 2331, 2332	15
Mathematics 3301, 3307, 3333, 4301, 4322	15
Mathematics 4331 or 4351	3

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology or Geology	8
Chemistry 1411, 1412 or Physics 1103, 1331, 1104, 2342	8
Communication 2301 or 2331	3
Computer Science 1331, Education 2323, Finance 2323, or University Studies 2323	3
Economics, Psychology, or Sociology (lower division)	3
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Reading 4320	3

SECOND TEACHING FIELD 24

ELECTIVES 3

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

*Degree and teacher certification requirements will often exceed the 130 semester hour minimum.

Secondary Teacher Certification: A student who chooses mathematics for a second teaching field must complete the following courses: Mathematics 1302, 1303, 1321, 2331, 2332, 3301, 3307, 3333, and 4322.

DEPARTMENT OF NURSING
ASSOCIATE IN APPLIED SCIENCE IN NURSING

The associate degree nursing curriculum is designed to prepare a graduate with a liberal and technical education which facilitates provision and coordination of nursing care through the correlation of theoretical knowledge and application of clinical knowledge. Application of knowledge takes place in structured settings and through the utilization of the nursing process. The associate degree nurse is prepared to provide/coordinate care for a limited number of clients across the life span who may have predictable or unpredictable health care needs.

The primary purpose of the associate degree program is to prepare graduates to assume responsible and accountable roles as members of a health care team by (1) providing levels of skills, knowledge, and attitudes that will enable graduates to enter the nursing professional at a beginning practitioner level; (2) preparing the graduates with the knowledge base to write the National Council Licensing Examination for registered nurse (NCLEX-RN); and (3) providing a foundation for baccalaureate education in nursing.

The Associate in Applied Science in Nursing degree is a two-year program in nursing. The curriculum is fully accredited by the Board of Nurse Examiners for the State of Texas and the National League for Nursing.

Board of Nurse Examiners
P.O. Box 430
Austin, Texas 78767-0430
512-305-7400

National League for Nursing Accrediting Commission (NLNAC)
61 Broadway, New York, NY 10006
Telephone: 212-363-5555 ext. 153
Facsimile: 212-812-0390 Website: www.nlnac.org

ACADEMIC MAJOR

Nursing 1601, 1101, 1102, 1103, 1201, 1602	17
Nursing 2102, 2830, 2831	17

OTHER REQUIREMENTS

Biology 2411*, 2423, 2424	12
Chemistry 1101, 1301	4
Psychology 1303, 2304	6
Sociology 2301	3
English 1301, sophomore literature	6
Physical Activity	1
Mathematics 1302 or 1311**	3

ALTERNATE TRACK FOR THE LVN STUDENT***

ACADEMIC MAJOR

Nursing 1401****	18
Nursing 2102, 2830, 2831	17

OTHER REQUIREMENTS

Biology 2411*, 2423, 2424	12
Chemistry 1101, 1301	4
Psychology 1303, 2304	6
Sociology 2301	3
English 1301, sophomore literature	6
Physical Activity	1
Mathematics 1302 or 1311**	3

*Biology 2411 must be taken on or before the Fall semester of the second year.

**Recommended math course for nursing majors.

***To follow the Alternate Track, the LVN applicant must meet deadlines for admission.

****Upon completion of N 1401 with a grade of C or better, the LVN student is given credit for Nursing 1601, 1602, 1102, and 1103.

The plan meets all of the requirements for an Associate in Applied Science of Nursing and a portion of the core curriculum requirements for a Bachelor of Science degree.

BACHELOR OF SCIENCE IN NURSING

The Bachelor of Science in Nursing degree program at Angelo State is designed for the registered nurse who has earned either an associate degree in nursing or a diploma from a hospital school of nursing. The baccalaureate program provides a broadened base in the biological and behavioral sciences as well as in-depth nursing skills needed to promote and provide professional nursing care. Community health nursing, research, and full length courses in leadership and management are content areas addressed in the baccalaureate core curriculum that are not addressed in the preceding levels of education. Baccalaureate education builds and enhances clinical scholarship preparing graduates to advance to an area of specialized nursing practice.

The Bachelor of Science in Nursing degree program at Angelo State University has received full accreditation from the Board of Nurse Examiners for the State of Texas and the National League for Nursing. The baccalaureate program is designed for the registered nurse who has earned either an associate degree in nursing or a diploma from a hospital school of nursing.

Board of Nurse Examiners
P.O. Box 430
Austin, Texas 78767-0430
512-305-7400

National League for Nursing Accrediting Commission (NLNAC)
61 Broadway, New York, NY 10006
Telephone: 212-363-5555 ext. 153
Facsimile: 212-812-0390
Website: www.nlnac.org

ACADEMIC MAJOR

Nursing 3301, 3303, 3402, 3601, 4301, 4302, 4601	28
Nursing Elective	3

OTHER REQUIREMENTS

Biology 3324	3
English 1302	3
Mathematics 3321, Psychology 3305, or Nursing 4337	3
Art, Drama, or Music (lower division)	3
History 1301, 1302	6
Government 2301, 2302	6
Communication 2301	3
Computer Science 1331 or Finance 2323 or University Studies 2323	3

ELECTIVE	3
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For the student who has completed the associate degree program, the above plan meets all core curriculum and general requirements for the Bachelor of Science in Nursing degree.

DEPARTMENT OF PHYSICS

BACHELOR OF SCIENCE

(Physics major with a supporting concentration in Mathematics-Chemistry*)

The American Association of Physics Teachers recommends students planning to do physics graduate work take Physics 2331 and Physics 4363. Those students who contemplate graduate studies in other disciplines will want to choose appropriate supporting concentrations. For students who plan to work in industry, the Applied Physics degree is recommended.

ACADEMIC MAJOR

Physics 1103, 1104, 1331, 2331, 2342	11
Physics 3331, 3341, 3443, 3461, 4362, 4363, 4391**, 4452, 4462	31

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology 1410, 1411	8
Chemistry 1411, 1412, 3362	11
Communication 2301	3
Computer Science 1331, 2301	6
Economics, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature	9
French, Russian, or German 1301, 1302, 2311	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 2331***, 2332, 3333, 3335	12
Physical Activity	1

SUPPORTING CONCENTRATION

Supporting Concentration in Mathematics-Chemistry
(Each discipline requires a minimum of 9 hours with 6 advanced hours in residence)

ELECTIVES	11
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The above plan meets all core curriculum and general Bachelor of Science degree requirements.

The degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

*If a supporting concentration other than Mathematics-Chemistry is chosen, this degree may require additional hours.

**The student must complete this course during the last fall semester prior to graduation. No substitution will be allowed.

***The student is expected to have completed two years of high school algebra, one-half year of high school trigonometry, and a pre-calculus course. If not, the student will be advised whether Mathematics 1302, 1303, or 1321 should be completed before enrollment in Mathematics 2331. The student must complete Mathematics 2331 and 2332 prior to the second year of study and must complete Mathematics 3333 and 3335 prior to the third year of study.

BACHELOR OF SCIENCE

(Physics major with a secondary teacher certification and second teaching field in Mathematics*)

The American Association of Physics Teachers recommends students planning to teach physics at the secondary level complete a minimum of 32 hours of physics, 24 hours of additional science, and 16 hours of mathematics. Students planning to teach Advanced Placement courses should pursue graduate study in physics and professional education to the master's degree.

ACADEMIC MAJOR (First Teaching Field)

Physics 1103, 1104, 1331, 2331, 2342	11
Physics 3331, 3332, 3341, 3461, 4452, 4462	21

OTHER REQUIREMENTS

Art, Drama, or Music (lower division)	3
Biology 1410 and 1411 or Geology 1401 and 1402	8
Chemistry 1411, 1412	8
Communication 2301 or 2331	3
Economics, Geography, Psychology, or Sociology (lower division)	3
Education 2323**, 4321, 4322***, 4323***, 4630	18
Educational Psychology 3311	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1321, 2331, 2332, 3301, 3307, 3333, 3335, 4322	30
Physical Activity	1
Reading 4320	3

SECOND TEACHING FIELD

Second Teaching Field in Mathematics

ELECTIVES 3

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

The degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

*If a second teaching field other than mathematics is chosen, this degree may require additional hours. The student should seek advice from the Department of Physics concerning the scheduling of mathematics courses as soon as possible. Mathematics courses through 3335 must be completed for certification in second teaching field.

**This course meets the computer literacy requirement for students seeking teacher certification.

***Students must have been admitted into the Teacher Education Program and currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

Secondary Teacher Certification. A student who chooses physics for a teaching field must complete the following courses: Physics 1103, 1104, 1331, 2331, 2342, 3461, 3331, 3341, and 4452.

BACHELOR OF SCIENCE
(Applied Physics major with a supporting concentration in Mathematics*)

The American Association of Physics Teachers recommends students planning to do physics graduate work take Physics 2331 and Physics 4363. Those students who contemplate graduate studies in other disciplines will want to choose appropriate supporting concentrations. For students who plan to work in industry, the Applied Physics degree is recommended.

ACADEMIC MAJOR

Physics 1103, 1104, 1331, 2331, 2333, 2342	14
Physics 3331, 3341, 3342, 3443, 3461, 4391**, 4452, 4462	28

OTHER REQUIREMENTS

Art, Drama, Music (lower division)	3
Chemistry 1411, 1412	8
Communication 2301	3
Computer Science 1331, 2301	6
Economics, Psychology, or Sociology (lower division)	3
English 1301, 1302, one sophomore literature	9
Geology 1401, 1402	8
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1321***, 2331, 2332, 3333, 3335 and 3 hours advanced	18
Physical Activity	1

SUPPORTING CONCENTRATION

Supporting Concentration in Mathematics

ELECTIVES

Electives	17
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The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

*If a supporting concentration other than Mathematics is chosen this degree may require additional hours.

**The student must complete this course during the last fall semester prior to graduation. No substitution will be allowed.

***The student is expected to have completed two years of high school algebra, one-half year of high school trigonometry, and a pre-calculus course. If not, the student will be advised whether Mathematics 1302, 1303, or 1321 should be completed before enrollment in Mathematics 2331. The student must complete Mathematics 2331 and 2332 prior to the second year of study and must complete Mathematics 3333 and 3335 prior to the third year of study.

**PRE-ENGINEERING
(Pre-Engineering program)**

This program is intended for students who plan to transfer to a School or College of Engineering at the end of their second year of study. Students should acquire a catalog from the school they are transferring to for proper advising of electives.

ACADEMIC PROGRAM

Physics 1103, 1104, 1331, 2333, 2342 11

OTHER REQUIREMENTS

Chemistry 1411, 1412 8

Computer Science 1331, 2301 6

Electives 8

English 1301, 1302, one sophomore literature 9*

Government 2301, 2302 6

History 1301, 1302 6

Mathematics 2331, 2332, 3333 9**

Physical Activity courses 2

*A semester of sophomore literature is required in some engineering schools. It is recommended that the requirements of the school of engineering which the student plans to enter be followed closely.

**The student is expected to have completed two years of high school algebra, one half year of high school trigonometry, and a pre-calculus course. If not, the student will be advised whether Mathematics 1302, 1303, or 1321 should be completed before enrollment in Mathematics 2331. Since the student must complete Mathematics 3333 prior to the third year of study. Mathematics 2331 and 2332 must be completed prior to the second year.