

## DEGREES AND PROGRAMS

Texas State University-San Marcos offers a full range of specialized programs in business administration, education, the liberal arts, the fine arts, sciences, applied arts, and health professions. This section of the catalog gives basic information about the undergraduate degrees, majors, minors, and alternative curricula available at Texas State. All specialized programs rest on the broad foundation of general education core curriculum required of all students. For information about Texas State's general education core curriculum, see the University College section of this catalog.

All undergraduate degrees require a minimum of 128 semester hours, including 39 advanced hours. Any degree program of 130 hours or more may be considered a five-year program. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the 128 and/or the 39 advanced total hours required.

### Undergraduate Degrees Offered at Texas State

Bachelor of Applied Arts and Sciences (BAAS)  
 Bachelor of Arts (BA)  
 Bachelor of Arts in International Studies (BAIS)  
 Bachelor of Business Administration (BBA)  
 Bachelor of Exercise and Sports Science (BESS)  
 Bachelor of Fine Arts (BFA)  
Bachelor of General Studies (BGS)  
 Bachelor of Health and Wellness Promotion (BHWP)  
 Bachelor of Healthcare Administration (BHA)  
 Bachelor of Music (BM)  
 Bachelor of Public Administration (BPA)  
 Bachelor of Science (BS)  
 Bachelor of Science in Agriculture (BSAG)  
 Bachelor of Science in Applied Sociology (BSAS)  
 Bachelor of Science in Clinical Laboratory Science (BSCLS)  
 Bachelor of Science in Communication Disorders (BSCD)  
 Bachelor of Science in Criminal Justice (BSCJ)  
 Bachelor of Science in Health Information Management (BSHIM)  
 Bachelor of Science in Family and Consumer Sciences (BSFCS)  
 Bachelor of Science in Radiation Therapy (BSRT)  
 Bachelor of Science in Recreational Administration (BSRA)  
 Bachelor of Science in Respiratory Care (BSRC)  
 Bachelor of Science in Technology (BST)  
 Bachelor of Social Work (BSW)

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### Bachelor of Arts

The following requirements apply to all Bachelor of Arts majors.

**Minor Requirement.** A minor is required and may be selected from any of the Texas State approved minors.

**Science Requirement.** In addition to completing the mathematics and natural science requirements of the general education core curriculum, students must complete one additional science course (3-4 hours) from anthropology (physical anthropology only), biology, chemistry, computer science, geography (physical geography only), mathematics, philosophy (logic only), and physics.

**Modern Language Requirement.** A proficiency level of successful completion of Arabic, French, German, Italian, Japanese, Latin, Portuguese, or Spanish 2310 and 2320. Most students will need to complete 1410 and 1420 as prerequisites before attempting 2310.

**English Requirement.** Two semesters of literature selected from ENG 2310, 2320, 2330, 2340, 2359, or 2360.

## Bachelor of Science

The following requirement applies to all Bachelor of Science majors.

**Minor Requirement.** A minor is required and may be selected from any of the Texas State approved minors.

### Undergraduate Majors Offered at Texas State

The table on the following pages lists all undergraduate majors as they would appear on a diploma and/or transcript; please note that a number of these programs have additional emphases, specializations, or concentrations available.

Major	Degree	Minimum Hours	Minor	Teacher Cert.	Catalog Page(s)
Accounting	BBA	128			132-133
Agriculture-Animal Science	BSAG	129			89
Agriculture-Business and Management	BSAG	128			88
Agriculture	BSAG	132		Optional	87
Anthropology	BA	128	Required		281-282
Anthropology	BS	128	Required		282-283
Applied Arts and Sciences	BAAS	128		Optional	120-121
Applied Mathematics	BS	129	Required		399-400
Applied Sociology	BSAS	128			352-353
Art	BA	128	Required		188-189
Athletic Training	<del>BESSBS*</del>	140	Required		169-170
Biochemistry	BS	130	Required		372
Biology	BA	128	Required		361
Biology	BS	128	Required		362
Biology-Aquatic Biology	BA	128	Required		361-363
Biology-Aquatic Biology	BS	128	Required		361-363
Biology-Botany	BA	129	Required		361-363
Biology-Botany	BS	129	Required		361-363
Biology-General Physiology	BA	128	Required		361-363
Biology-General Physiology	BS	128	Required		361-363
Biology-Microbiology	BA	128	Required		361-363
Biology-Microbiology	BS	128	Required		361-363
Biology-Wildlife Biology	BA	137	Required		361-363
Biology-Wildlife Biology	BS	137	Required		361-363
Biology-Zoology	BA	128	Required		361-363
Biology-Zoology	BS	128	Required		361-363
Chemistry	BA	128	Required		370-371
Chemistry	BS	128	Required		371-372
Clinical Laboratory Science	BSCLS	137			240
Communication Design	BFA	128			186-187
Communication Disorders	BSCD	132			243
Communication Studies	BA	128	Required	Optional	199-200
Computer Information Systems	BBA	128			135-136
Computer Science	BA	128	Required	Optional	379
Computer Science	BS	128	Required	Optional	378
Criminal Justice	BSCJ	128			97
Criminal Justice-Corrections	BSCJ	128			97-98
Criminal Justice-Law Enforcement	BSCJ	128			98
Dance	BS	129	Required	Optional	228-229
Digital and Photographic Imaging	BFA	128			187
Economics	BA	128	Required		140-141
Economics	BBA	128			140
<u>Electrical Engineering*</u>	<u>BS</u>	<u>137</u>			<u>TBD</u>
Engineering Technology	BST	139			388-389
English	BA	128	Required	Optional	288-292
Exercise and Sports Science	BESS	128	Required	Optional	167-169
Family and Child	BSFCS	128		Optional	105-106

Development					
Family and Consumer Sciences	BSFCS	128		Optional	102-104
Fashion Merchandising	BSFCS	128	Required		106-107
Finance	BBA	128			139-140
French	BA	128	Required	Optional	320-321
<u>General Studies</u>	<u>BGS</u>	<u>128</u>			<u>TBD</u>
Geography	BA	129	Required		299
Geography	BS	129	Required	Optional	299-301
Geography-Geographic Information Science	BS	129	Required		302
Geography-Physical Geography	BS	129	Required		303
<del>Geography-Resource and Environmental Studies</del>	<del>BA</del>	<del>129</del>	<del>Required</del>		<del>301-302</del>
Geography-Resource and Environmental Studies	BS	129	Required		301-302
<del>Geography-Urban and Regional Planning</del>	<del>BA</del>	<del>129</del>	<del>Required</del>		<del>302-303</del>
Geography-Urban and Regional Planning	BS	129	Required		302-303
Geography-Water Studies	BS	128	Required		304
German	BA	128	Required	Optional	322-323
Healthcare Administration	BHA	128			246-247
Health and Fitness Management	BESS	128	Required		171
Health and Wellness Promotion	BHWP	132	Required	Optional	171-172
Health Information Management	BSHIM	130			251-252
History	BA	128	Required	Optional	311-314
Industrial Engineering	BS	136	Required		384
Industrial Technology	BST	130		Optional	387-388
Industrial Technology-Construction Technology	BST	133			387
Industrial Technology-Manufacturing Technology	BST	130			387
Interdisciplinary Studies	BS	128		Yes	158-160
Interior Design	BSFCS	128			107-108
International Studies	BAIS	128	Required		272-273
International Studies-Asian Studies	BAIS	128	Required		274
International Studies-European Studies	BAIS	128	Required		274-275
International Studies-Interamerican Studies	BAIS	128	Required		275
International Studies-International Relations	BAIS	128	Required		273
International Studies-Middle East/African Studies	BAIS	128	Required		275-276
Management	BBA	128		Optional	145-146
Manufacturing Engineering	BS	136	Required		385-386
Marketing	BBA	128			149
Mass Communication	BA	128	Required	Optional	205-207
Mass Communication-Advertising	BA	128	Required		206-207
Mass Communication-Electronic Media	BA	128	Required		206-207
Mass Communication-Print Journalism	BA	128	Required		206-207
Mass Communication-Public Relations	BA	128	Required		206-207
Mathematics	BA	128	Required	Optional	398
Mathematics	BS	128	Required	Optional	398-399
Music	BA	128	Required		216-217
Music	BM	138		Yes	213

Music-Jazz Studies	BM	132			215
Music-Performance	BM	128			214
Music-Sound Recording Technology	BM	136			215-216
Musical Theatre	BFA	131			227-228
Nutrition & Foods	BSFCS	128		Optional	108-109
Philosophy	BA	128	Required		330-332
Physics	BA	128	Required		405
Physics	BS	128	Required		404-405
Political Science	BA	128	Required	Optional	335-337
Psychology	BA	128	Required		344-345
Psychology	BS	128	Required		345-347
Public Administration	BPA	128	Required		337-338
Radiation Therapy	BSRT	137			258
Recreational Administration	BSRA	128			173-174
Respiratory Care	BSRC	139			261-262
Social Work	BSW	135			266
Sociology	BA	128	Required		351-352
Spanish	BA	128	Required	Optional	323-324
Studio Art	BFA	128		Optional	187-189
Theatre	BA	128	Required		225-226
Theatre	BFA	128		Optional	226-227

[\\*Pending approval from the Texas Higher Education Coordinating Board](#)

### Undergraduate Minors Offered at Texas State

Minor	Minimum Hours	Catalog Page(s)
Aerospace Studies	19	84
Agriculture	19	89
Animal Science	19	89
Anthropology	20	283
Art and Design	24	189
Biochemistry	24	373
Biology	21	362
Business Administration	18	130
Chemistry	23	373
Coaching Athletics	<del>24</del> 25	174
Communication Studies	21	201
Computer Science	23	380
Consumer Science	18	109
Criminal Justice	18	98
Dance	<del>29</del> 21	230
Early Childhood Intervention	21	109
Economics	18	141
English	24	292
Exercise and Sports Science	25	174
Family and Child Development	21	109
Family and Consumer Sciences	18	110
Fashion Merchandising	18	110
Forensic Psychology	21	347
French	15	324
Geography	19	304
Geology	19	362
German	15	324
Health & Wellness Promotion	24	174
Health Information Management	21	252
Healthcare Administration	18	247
History	24	314
Horticulture	18	89
Honors Studies	21	76
International Studies	33	276
Japanese	15	324
Journalism	18	207
Leadership Studies	21	201
Mass Communication	18	207
Mathematics	17	400
Media Studies	18	292
Medieval and Renaissance Studies	24	293
Military Science	23	118
Music	22	217
Nature and Heritage Tourism	24	305
Philosophy	18	331

Photography	24	189
Physics	21	406
Plant and Soil Science	20	89
Political Communication	24	201
Political Science	24	338
Psychology	18	347
Public Administration	24	338
Recreational Administration	21	174
Religious Studies	18	331
Social Gerontology	18	353
Social Work	18	266
Sociology	18	353
Southwestern Studies	18	280
Spanish	15	324
Sports Psychology	21	347
Special Education	21	160
Studies in Popular Culture	18	353
Technology	18	389
Theatre	<del>24</del> 18	230
U.S. Ethnic Studies	18	277
Value Studies	18	331
Women's Studies	18	278
Writing	24	292

## Pre-Professional Curricula

Students preparing to study architecture, pharmacy, physical therapy, medicine, dentistry, veterinary medicine, engineering, or law should enroll in the degree plan as suggested by the advisors listed below. Before each registration, the student should consult his or her advisor.

**Architecture.** Architectural degree programs are offered as four, five and/or six year options. Schools offering Architectural programs in Texas include The University of Texas at Austin, The University of Texas at San Antonio, The University of Texas at Arlington, Texas Tech University, The University of Houston, Rice University, and Texas A&M University. Majors include areas associated with architectural design, architectural engineering, regional and city planning, and landscape architecture.

Those courses accepted by most architecture schools are: ENG 1310, 1320, MATH 1315, 1317, HIST 1310, 1320, POSI 2310, 2320, PHYS 1410, 1420 and physical education activities, two semester hours. Other courses could be selected based on the selected school, architectural major, and student's background. Selected options in architecture use a broad based general academic or liberal arts program as a foundation to build the degree plan, while others will use only a minimum of these courses.

Because of the many choices of curricula in the field of architecture, all pre-architecture students, from the time they first enroll, should regularly consult with their advisor in selecting courses. Failure to do so may result in loss of transfer credit. Even courses accepted for transfer credit by another university may not apply toward a degree in architecture. Only those courses acceptable by the dean of the student's elected architecture school may be counted toward the corresponding degree. For more information contact the Department of ~~Engineering and~~ Technology.

**Health Professions Programs.** Students interested in health professions programs should visit or contact the College of Health Professions Academic Advising Center. Information about the following fields is available: clinical laboratory science, communication disorders, healthcare administration, health information management, radiation therapy, respiratory care and social work. Although the College does not offer degrees in nursing or occupational therapy, it does provide pre-professional advising for these fields, as well as for physical therapy.

**Combination Degree in Medicine or Dentistry.** After completing at least 96 hours of prescribed work at Texas State, a student who is later certified by an approved medical or dental school as having satisfactorily completed one year's work at that institution may be granted a bachelor's degree by Texas State University-San Marcos. The student must meet all catalog requirements for the degree and must earn the last 30 of the 96 undergraduate hours at Texas State. Included in the required courses are the following: CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; BIO 1430, 1431, 2450, 2400 or 2411, 3421 and 4416; PHYS 1410, 1420; ENG 1310, 1320. For more information contact the Department of Biology pre-medical/dental advisor, departmental advisor, or the College of Science Advising Center.

**Dentistry.** Dental schools require two years of college work for entrance; however, most students accepted by dental schools have more than this. A bachelor's degree is preferred. Included in the required courses are the following: CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; BIO 1430, 1431, 2450, 2400 or 2411, 3421 and 4416; PHYS 1410, 1420; ENG 1310, 1320, and 3303. It is recommended that the students complete, in addition to the above courses, the general education core curriculum requirements and the requirement for the Combination Degree leading to a B.S. in Biology with a minor in Chemistry or Biochemistry. The Combination Degree is more rigorous than the minimal courses required by most dental schools. An early admission program agreement between Texas State and UTHSCSA Dental School is also available. For more information contact the

Department of Biology pre-medical/dental advisor, departmental advisor, or the College of Science Advising Center.

**Engineering.** The ~~Department-School~~ of Engineering ~~and Technology~~ offers [degree programs in an Electrical Engineering\\*](#), Industrial Engineering, and a Manufacturing Engineering ~~degree program~~. Also, there are two pre-engineering options offered through the Departments of Chemistry and Biochemistry, Mathematics, and Physics. Students taking the first option (called a 3-2 option) spend approximately six semesters in a mathematics or physics curriculum or, for chemical engineering, a chemistry curriculum. After the completion of at least 96 hours of prescribed work, the last 30 of which must be earned in residence, a student in the 3-2 pre-engineering program who later earns an engineering degree from an approved engineering school may be granted a bachelor's degree by Texas State. The student must (1) satisfy all general education core curriculum requirements, (2) satisfy all prescribed coursework for the major and minor, and (3) request a degree audit in the College of Science Advising Center before leaving Texas State. After completing the entire program, students receive both an engineering degree from the school they attended and a BS in chemistry, mathematics, or physics from Texas State. With the second option, students spend three to six semesters taking courses basic to the field of engineering they intend to enter and then transfer to the engineering school to pursue a degree.

Because of the many choices of curricula in the field of engineering, all pre-engineering students, from the time they first enroll, should regularly consult with their advisor in selecting courses. Failure to do so may result in loss of transfer credit. Even courses accepted for transfer credit by another university may not apply toward a degree in engineering. Only those courses acceptable by the dean of the student's elected engineering school may be counted toward the corresponding degree.

Concerning transfer of courses, Texas State has entered into transfer articulation agreements with The University of Texas at Austin, Texas A&M, Texas Tech University, and the University of Texas at San Antonio. These agreements specify suggested equivalences of courses. For additional information, contact your academic advisor.

If their mathematics background is inadequate to enroll in MATH 2471, first semester freshmen are advised to earn credit in MATH 1315, 1317, or 2417 in the summer session immediately preceding the regular session in which they plan to enroll. (See the catalog description for the proper prerequisites.) If this suggestion is not followed, the student's program is usually delayed by at least one semester. Students making a "D" in a technical course that serves as a prerequisite to another course are strongly urged to repeat the course. For more information contact the College of Science Advising Center or the departmental advisors for the Departments of Chemistry and Biochemistry, Mathematics, Physics, and [School of Engineering-and-Technology](#). For information on engineering technology, [electrical engineering\\*](#), industrial engineering, and manufacturing engineering see the [School of Engineering and](#) Department of ~~Engineering and~~ Technology sections of this catalog.

**Law.** All accredited law schools in the state-Baylor University, Southern Methodist University, South Texas School of Law, St. Mary's University, Texas Southern University, Texas Tech University, The University of Houston, and The University of Texas at Austin-require the following from applicants prior to admission: (1) a bachelor's degree, (2) superior grades, and (3) a satisfactory score on the Law School Admission Test (LSAT).

It is strongly recommended that as many of the following courses be taken during the junior and senior years as the major curriculum permits: ECO 2314, 2315; FIN 3301, BLAW 2361, 3362; GEO 3320, 4338; HIST 3315, 3316, 3344, 3349; PHIL 2330, 3320-3321, 3331-3332, 3340; POSI 3310, 3311, 3314, 4302, 4303, 4304, 4311, 4361; COMM 4331; and SOCI 3307 (or POSI 3377), 3308, 3343.

Pre-law students are urged to consult the pre-law advisor and a pre-law representative, as appropriate, from the various colleges: Dr. David Perkins, Department of Criminal Justice; Dr.

[\\*Pending approval from the Texas Higher Education Coordinating Board.](#)



~~John McGee~~ Alexis Stokes, Department of Finance and Economics; Dr. Vincent Luizzi, Department of Philosophy; and Dr. Paul Kens and Dr. Ken Ward, Department of Political Science. The pre-law student should also become familiar with the services available through the Student Learning Assistance Center. For more information contact Dr. Paul Kens, Department of Political Science (512) 245-2143.

**Medicine.** Medical schools recommend an appropriate bachelor's degree for entrance. A suggested program that will satisfy pre-medical requirements is as follows: CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; BIO 1430, 1431, 2400 or 2411, 2450; PHYS 1410, 1420; MATH 2321 and 2331 (or 2417 and 2471); ENG 1310, 1320. Students who anticipate applying for the Combination Degree leading to a B.S. with a major in Biology and a minor in Chemistry should include the general education core curriculum requirements and BIO 3421 and 4416. For more information contact the Department of Biology pre-medical/dental advisor.

**Pharmacy.** Pharmacy is a six-year program, two years of which may be taken at Texas State. The following courses are required for the ~~four~~ six pharmacy schools in Texas: ~~(The University of Texas at Austin, ¶The University of Houston, Texas Southern University, Texas A&M University-Kingsville, and Texas Tech University Health Science Center, and Incarnate Word University);~~ BIO 1430, 1431; CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; HIST 1310, 1320; PHYS 1410; POSI 2310, 2320. Requirements for mathematics, English and other courses vary according to the pharmacy school. Consequently, it is imperative that pre-pharmacy students consult with the advisor prior to and during their pre-pharmacy program. For more information contact the Department of Chemistry and Biochemistry.

**Physical Therapy.** The physical therapy profession requires a post-baccalaureate degree in order to practice; Texas State offers a Master of Science in Physical Therapy. [A proposal to transition from the current master's program to a Doctor of Physical Therapy \(DPT\) program is pending final approval from the Texas Higher Education Coordinating Board. If approved, the first cohort for the DPT will be admitted October 2007 for Summer 2008 enrollment. For more information, contact the Department of Physical Therapy or visit <http://www.health.txstate.edu/pt>.](#) The Department of Physical Therapy does not require a specific undergraduate degree in order to gain entrance into their program. However, the Department of Health, Physical Education, and Recreation (HPER) offers an undergraduate degree program that will prepare students to enter the application process for a physical therapy graduate program. The main focus of this program is to combine the background courses required for entrance to physical therapy programs with quality support courses from the Athletic Training and the Health and Fitness Management majors. This program provides a strong academic degree and a pre-physical therapy program that will enable students to be competitive as they apply to master level physical therapy graduate programs.

Students will be required to take existing courses used as pre-requisites for the Texas State Physical Therapy Graduate Program and other courses from Texas State programs in Athletic Training or Health and Fitness Management. Pre-Requisite Courses for Texas State PT Program are: PSY 1300; PSY 2315 or 3315; HP 3102, 3302; HIM 2360; BIO 2430, 3421; CHEM 1141, 1341, 1142, 1342; and PHYS 1410, 1420. Courses from the Athletic Training major are: PE 2156, 2356, 3256, 3258, 3117, 3317, 3320, 3126, 3326, 3128, 3328, 3329, 3136, 3236, 3146, 3246, 3356, 4360; H ED 2338 or 3348, 2354; NUTR 3362 or 3364; and PT 3400. Courses from the Health and Fitness Management major are: PE 4323 and 4317 or 4318.

Curriculum Requirements: 1) Students will declare Athletic Training as their undergraduate major and Pre-Physical Therapy as their emphasis; 2) Students will register with the College of Education Office of Academic Advising and in order to seek degree advice; and 3) Students will follow the degree plan formulated by the HPER Department, with exceptions approved by the College of Education Office of Academic Advising upon advice from the HPER Department.

**Veterinary Medicine.** The only College of Veterinary Medicine in Texas is at Texas A&M University. Prior to admission, students must complete at least 64 hours of course work, which constitutes a pre-veterinary program. At Texas State, all students must choose a major in one of the 4-year bachelor's programs. While any major is acceptable, majors in

Agriculture/Animal Science, Biology or Chemistry most nearly parallel the courses required in the pre-veterinary program, which are as follows: AG 3301 or BIO 2450; AG 3325 or 4325; BIO 1430, 2400; CHEM 1141/1341, 1142/1342, 2141/2341, 3375 or 4375; ENG 1310, 3 hours literature, 3303; COMM 2330 or 2338; MATH 1329 or 2321 or 2331 or 3305 or AG 3352; and PHYS 1410, 1420.

Formal application, on a special form supplied on or around July 15 each year by the Office of the Dean at the Veterinary School of Texas A&M University, must be filed with that office before October 1. A complete and official transcript from each college or university the applicant has attended must accompany the application forms. A record of courses in progress (and a record of courses planned for the following spring term and summer terms if the applicant will be enrolled) must also be submitted. The application must be accompanied by a non-refundable fee of \$35.00 (check or money order payable to Texas A&M University), which is used to partially defray the cost of processing the application.

The applicant must have an overall GPA of 2.75 or better or a 3.00 GPA or better for the last 45 semester credits completed (“A”=4.00 grade points).

Each applicant must submit scores for the Graduate Record Examination (GRE). It is recommended that the applicant take the spring testing. However, the September testing date will be acceptable. The GRE will be given at various centers throughout the United States, including Texas State. To determine the most convenient location, prospective applicants should write to the GRE, General Test Coordinator, Educational Testing Service, P.O. Box 6000, Princeton, N.J., 08541-6000. Students may also call (609) 951-6505 or contact the Texas State Placement Center.

Advising for students who wish to qualify for the professional curriculum in veterinary medicine is available at Texas State by contacting the Texas State Pre-Veterinary Advisor or by appointment with the Office of the Dean, College of Veterinary Medicine, Texas A&M University, College Station, Texas 77843, (409) 845-5054. For more information, contact the Department of Agriculture.