

**Bachelor of Science in Agriculture
Major in Agriculture-Animal Science
Basic Science and Pre-Vet Specialization with minor in Biochemistry
2016**

(010) Communication (6hrs.)	
<input type="radio"/> ENG 1310 College Writing I	
<input type="radio"/> ENG 1320 College Writing II	
(020) Mathematics (3hrs.)	
<input type="radio"/> MATH 1315 College Algebra OR <input type="radio"/> MATH 1319 Mathematics for Business and Economics I	Select One
(030) Life and Physical Sciences (8hrs)	
<input type="radio"/> BIO 1330 Functional Biology	
<input type="radio"/> BIO 1130 Functional Biology Lab	
<input type="radio"/> CHEM 1341 General Chemistry I	
<input type="radio"/> CHEM 1141 General Chemistry I Lab	
(040) Language, Philosophy, and Culture (3hrs.)	
<input type="radio"/> PHIL 1305 Philosophy & Critical Thinking (WI) OR <input type="radio"/> PHIL 1320 Ethics in Society (WI)	Select One
(050) Creative Arts (3hrs.)	
<input type="radio"/> ART 2313 Introduction to Fine Arts OR DAN 2313 Introduction to Fine Arts OR MU 2313 Introduction to Fine Arts OR TH 2313 Introduction to Fine Arts	Select One
(060) American History (6hrs.)	
<input type="radio"/> HIST 1310 U.S. History to 1887 (WI)	
<input type="radio"/> HIST 1320 U.S. History to Date (WI)	
(070) Government/Political Science (6hrs.)	
<input type="radio"/> POSI 2310 Principles of American Government	
<input type="radio"/> POSI 2320 Functions of American Government	
(080) Social & Behavioral Science (3hrs.)	
<input type="radio"/> PSY 1300 Introduction to Psychology OR SOCI 1310 Introduction to Sociology OR ANTH 1312 Cultural Anthropology OR GEO 1310 World Geography	Select One
(090) Texas State Area Option (6 hrs.)	
<input type="radio"/> COMM 1310 Fundamentals of Human Communication	
<input type="radio"/> ENG 2310 British Literature Before 1785 OR ENG 2320 British Literature Since 1785 OR ENG 2330 World Literature Before 1600 OR ENG 2340 World Literature Since 1600 OR ENG 2359 American Literature Before 1865 OR ENG 2360 American Literature Since 1865	Select One
<input type="radio"/> US 1100 University Seminar-PACE Students Only	

Texas State GPA 2.0

Major GPA 2.25

Minor GPA 2.00

Course	Prerequisites
<input type="radio"/> AG 1110 Careers in Agriculture	
<input type="radio"/> AG 1445 Basic Animal Science	
<input type="radio"/> AG 2310 Applied Leadership Principles	AG 1110
<input type="radio"/> AG 3301 Genetics of Livestock and Plant Improvements (WI)	AG 1445 AND BIO 1330/1130
<input type="radio"/> AG 3314 Animal Health and Disease Control	AG 1445
<input type="radio"/> AG 3319 International Food and Fiber Systems	
<input type="radio"/> AG 3325 Animal Nutrition (WI)	CHEM 1341/1141 AND BIO 1330/1130
<input type="radio"/> AG 3331 Reproduction in Farm Animals	AG 1445 AND AG 3301, or BIO 2450
<input type="radio"/> AG 4307 Professional Development in Agriculture (WI)	Senior Standing
<input type="radio"/> AG 4325 Feeds and Feeding	AG 1445 AND CHEM 1341/1141 AND BIO 1330/1130
<input type="radio"/> AG 4330 Food Technology: Process Meats	AG 1445 AND BIO 1330/1130 AND CHEM 1341/1141
<input type="radio"/> AG 4326 Advanced Animal Science-Ruminants (WI) OR <input type="radio"/> AG 4328 Advanced Animal Science-Poultry and Swine (WI) OR AG 4185 (2 times/2 hours) Current Problems in Technical Agriculture (WI)	AG 4326 and AG 4328:AG 1445 AG 4185: Departmental Approval
Required Minor in Biochemistry	
<input type="radio"/> CHEM 1341 General Chemistry I <input type="radio"/> CHEM 1141 General Chemistry I Lab	Mathematics ACT score of at least 24 (SAT re-centered 520) or MATH 1315 with a grade of "C" or higher
<input type="radio"/> CHEM 1342 General Chemistry II <input type="radio"/> CHEM 1142 General Chemistry II Lab	CHEM 1341 with a grade of "C" or higher.
<input type="radio"/> CHEM 2341 Organic Chemistry I <input type="radio"/> CHEM 2141 Organic Chemistry I Lab	CHEM 2341: CHEM 1342 with a grade of "C" or higher. Prerequisite or Co-requisite: CHEM 1142 CHEM 2141: CHEM 1342 with a grade of "C" or higher, CHEM 1142. Prerequisite or Co-requisite: CHEM 2341.
<input type="radio"/> CHEM 2342 Organic Chemistry II <input type="radio"/> CHEM 2142 Organic Chemistry II Lab	CHEM 2342: CHEM 2341 with a grade of "C" or higher. Prerequisite or Co-requisite: CHEM 2141 CHEM 2142: CHEM 2341 with a grade of "C" or higher, CHEM 2141. Prerequisite or Co-requisite: CHEM 2342
<input type="radio"/> CHEM 3375 Principles of Biochemistry OR <input type="radio"/> CHEM 4375 Biochemistry	CHEM 2342 with a grade of "C" or higher
<input type="radio"/> CHEM 3276 Experimental Biochemistry	CHEM 3375 or 4375 with a grade of "C" or higher
<input type="radio"/> CHEM 4360 Biochemistry and Molecular Biology- FALL ONLY (WI)	CHEM 3375 or 4375
<input type="radio"/> CHEM 4385 Metabolism-SPRING ONLY	CHEM 3375 or 4375
Additional Requirements	
<input type="radio"/> BIO 2400 Microbiology	BIO 1330/1130 or 1430; BIO 1331/1131 or 1431; and CHEM 1341 with grades of "C" or higher
<input type="radio"/> PHYS 1315 General Physics I <input type="radio"/> PHYS 1115 General Physics I Lab	PHYS 1315:MATH 1315 with a grade of "C" or higher PHYS 1115: Co-requisite: PHYS 1315
<input type="radio"/> PHYS 1325 General Physics II <input type="radio"/> PHYS 1125 General Physics II Lab	PHYS 1325:PHYS 1315 and MATH 1315 with grades of "C" or higher PHYS 1125: PHYS 1315, PHYS 1115. Prerequisite or Co-requisite: PHYS1325
<input type="radio"/> ENG 3303 Technical Writing (WI)	
<input type="radio"/> COMM 2330 Small Group Communication OR <input type="radio"/> COMM 2338 Public Speaking	COMM 1310

Total Minimum Hour Requirement for Graduation: 120 semester hours

Minimum Advanced Hour Requirement for Graduation: 36 Advanced Hours (3000-4000 level classes)

Minimum Writing Intensive Hours Required for Graduation: 9

In the absence of high school foreign language credit, two semesters of the same modern language must be taken at the college level.

See the Texas State University undergraduate catalog for complete list of graduation requirements. The final responsibility for meeting all graduation requirements stated in the undergraduate catalog rests with the student. This form is only a guide to understanding the Texas State Undergraduate Catalog. This sheet is not meant to be a complete list of University graduation requirements.