

**Bachelor of Science in Agriculture
Major in Agriculture-Animal Science
Basic Science and Pre-Vet Specialization with minor in Biochemistry
2015**

(10) Communication (6 hours)

- ENG 1310 College Writing I
- ENG 1320 College Writing II

(30) Life & Physical Sciences (8 hours)

- BIO 1330 Functional Biology
 - BIO 1130 Functional Biology Lab
- AND**
- CHEM 1341 General Chemistry I
 - CHEM 1141 General Chemistry I LAB

(050) Creative Arts (3 hours)

- ART 2313 Introduction to Fine Arts, Art
Or DAN 2313 Introduction to Fine Arts, Dance
Or MU 2313 Introduction to Fine Arts, Music
Or TH 2313 Introduction to Fine Arts, Theater

(070) Government/Political Science (6 hours)

- POSI 2310 Principles of American Government
- POSI 2320 Functions of American Government

(90) Texas State- Communication (3 hours)

- COMM 1310 Fundamentals of Human Communication

University Requirement (1 hour)

- US 1100 University Seminar-
PACE Only

(020) Mathematics (3 hours)

- MATH 1315 College Algebra

(040) Language, Philosophy and Culture (3 hours)

- PHIL 1305 Philosophy & Critical Thinking (WI)
- Or**
- PHIL 1320 Ethics in Society (WI)

(060) American History (6 hours)

- HIST 1310 U.S. History to 1887 (WI)
- HIST 1320 U.S. History to Date (WI)

(080) Social & Behavioral Science (3 hours)

- PSY 1300 Introduction to Psychology
Or SOCI 1310 Introduction to Sociology
Or ANTH 1312 Cultural Anthropology
Or GEO 1310 World Geography

(090) Texas State- Language, Philosophy and Culture (3 hours)

- 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

Texas State GPA 2.0

Major GPA 2.25

Minor GPA 2.00

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