Animal Science B.A./B.S.

The purpose of the Animal Science program is to prepare students for careers in positions such as ranch management, county extension agents, technical and sales representatives with agricultural businesses such as feed and pharmaceutical companies, agricultural civil service, regulatory agencies, technical consultants, and laboratory technicians. A graduate with this major should possess competencies in animal reproductive physiology and genetics, animal nutrition, animal health management, production, utilization, and marketing of animal products, and business management.

Core Curriculum Courses		
See the Core Curriculum Requirements (http://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/)		42
Required courses in the major		
AG 1131	Intro To Agriculture	1
AG 300	Professional Agricultural Communications	1
AG 400	Seminar	1
ANS 1319	Introduction to Animal Science	3
ANS 1119	Introduction to Animal Science Laboratory	1
ANS 307	Animal Feeds and Feeding	3
ANS 308	Animal Nutrition	3
ANS 309	Animal Breeding	3
ANS 310	Animal Genetics	3
ANS 311	Reproductive Physiology of Domestic Animals	3
ANS 319	Anatomy and Physiology of Domestic Animals	3
ANS 419	Diseases and Parasites of Livestock	3
ANS Management Courses: select 2 of the following		**6**
ANS 313	Dairy Cattle Management	
or ANS 312	Artificial Breeding of Domestic Animals	
or ANS 317	Livestock Management Techniques	
or ANS 411	Sheep and Goat Management	
or ANS 412	Beef Cattle Management	
or ANS 413	Swine Management	
or ANS 415	Companion Animal Management	
Electives [+]		**12**
Choose from any of the options listed below		
Any course with ANS or AG prefix including AG 405 and/or EQSC 441		
Required support courses (with a minimum grade of D) [*]		
AEC 2317	Agricultural Economics	3
FDSC 1329	Principles of Food Science	3
or FDSC 318	Meat Technology	
AEC 380	Agricultural Statistics	3
or MATH 453	Essentials of Statistics	
BSC 1406	Introductory Biology I	4
BIOL 2420	General Microbiology	3
or BSC 1413	Zoology	
or PLS 2313	Economic Entomology	
or AG 335	Wildlife Management I	
or AG 336	Wildlife Management II	
CHEM 1307 & CHEM 1107	Survey of Organic and Biochemistry and Experimental Survey of Organic and Biochemistry: Laboratory Section	4
CHEM 1311 & CHEM 1111 & CHEM 101	General and Quantitative Chemistry I and General and Quantitative Chemistry Laboratory I and General Chemistry Tutorial I	5
PLS 1307 & PLS 1107	Introduction to Plant Science and Introduction to Plant Science Lab	4
PLS Elective		**3**

Choose any PLS course	
Total Hours	**120**

* These courses may be counted toward a minor.

\+ Additional electives may be required to meet the overall 120 semester hour requirement. See your advisor to discuss your options.

A grade of “C” or higher must be earned in all courses in this Major with the exception of the Support Course a grade of “D” is acceptable.