

# Animal Science-Pre-Veterinary Medicine Option B.A./B.S.

## 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 310	Animal Genetics	3
ANS 311	Reproductive Physiology of Domestic Animals	3
ANS 317	Livestock Management Techniques	3
ANS 319	Anatomy and Physiology of Domestic Animals	3

## Required Support Courses (with a minimum grade of D)

AEC 2317	Agricultural Economics *	3
AEC 380	Agricultural Statistics	3
or BSC 412	Quantitative Biology	
or MATH 453	Essentials of Statistics	
BSC 1406	Introductory Biology I *	4
BSC 1407	Introductory Biology II *	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
CHEM 1312 & CHEM 1112 & CHEM 102	General and Quantitative Chemistry II and General and Quantitative Chemistry Laboratory II and General Chemistry Tutorial II	5
CHEM 2323 & CHEM 2123 & CHEM 201	Organic Chemistry I and Organic Chemistry Laboratory I and Organic Chemistry Tutorial I	5
CHEM 2325 & CHEM 2125 & CHEM 202	Organic Chemistry II and Organic Chemistry Laboratory II and Organic Chemistry Tutorial II	5
COMS 1321	Business/Professional Speaking *	3
or COMS 1315	Fundamentals of Public Speaking	

Select one of the following sequences.\* 4

PLS 1307  
& PLS 1107  
Introduction to Plant Science  
and Introduction to Plant Science Lab \*

Or

PLS 1315  
& PLS 1115  
Introduction to Horticulture  
and Introduction to Horticulture Laboratory \*

## PreVet Concentration

Science Elective + 3-4

300-400 level BSC, CHEM, or ANS course, or FDSC 1329 or 318

BIOL 2420	General Microbiology	4
CHEM 314	General Biochemistry	3
or AG 408	Nutritional Biochemistry	
or CHEM 414	Biochemistry	
PHYS 1401	College Physics I	4

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**Total Hours**

**126-127**

\* These courses can be used to fulfill the Core Curriculum Requirements

+ Consult academic advisor to ensure you meet the prerequisites for the veterinary school you wish to apply to.

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.