

Animal Science-Pre-Veterinary Medicine Option B.S.

Core Curriculum Courses

42

See the Core Curriculum Requirements (<https://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/>)

Required courses in the major

AG 1131	Intro To Agriculture	1
AG 300	Professional Agricultural Communications	1
AG 400	Seminar	1
ANS 1119	Introduction to Animal Science Laboratory	1
ANS 1319	Introduction to Animal Science *	3
ANS 319	Anatomy and Physiology of Domestic Animals	3
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

Support Courses (with a minimum grade of C)

AEC 2317	Agricultural Economics *	3
AEC 380	Agricultural Statistics	3
or BSC 412	Fundamentals of Biostatistics	
or MATH 453	Essentials of Statistics	
BSC 1406	Introductory Biology I *	
BSC 1407	Introductory Biology II *	
PHIL 360	General Ethics *	3
or ANS 417	Domestic Animal Behavior and Welfare	

PreVet Concentration +

Animal Management Elective (select one of the following)		3
ANS 312	Artificial Breeding of Domestic Animals	
ANS 411	Sheep and Goat Management	
ANS 413	Swine Management	
ANS 412	Beef Cattle Management	
ANS, AG, ANZ, BSC, CHEM, EQSC, VETT electives (300-400)		6
BIOL 2420	General Microbiology	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
CHEM 314	General Biochemistry	3
or AG 408	Nutritional Biochemistry	
or CHEM 414	Biochemistry	
COMS 1321	Business/Professional Speaking *	
or COMS 1315	Fundamentals of Public Speaking	
or BAAS 303	Interpersonal Relationships and Communication in Organizations	

PHYS 1401	College Physics I	4
PHYS 1402	College Physics II	4
Total Hours		120

- * These courses can be used to fulfill the Core Curriculum Requirements and courses in the major.
- + Consult academic advisor to ensure you meet the prerequisites for the veterinary school you wish to apply to.

Course	Title	Hours
First Year		
Fall		
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	Hours	0
	Total Hours	0