

Animal Science-Biosciences 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	
AEC 380	Agricultural Statistics	3
or BSC 412	Fundamentals of Biostatistics	
or MATH 453	Essentials of Statistics	
PLS 1307 & PLS 1107	Introduction to Plant Science & Agronomy and Applied Plant Science Lab	4
BSC 1406	Introductory Biology I *	
BSC 1407	Introductory Biology II *	
PHIL 360	General Ethics *	3
or ANS 417	Domestic Animal Behavior and Welfare	

Biosciences Concentration

ANS electives ^{†^}		6
ANS, AG, ANZ, BSC, CHEM, EQSC, PLS or VETT electives (300-400 level) ^{†^}		7
Animal Management Elective (select from one of the following)		3
ANS 313	Dairy Cattle Management	
or ANS 411	Sheep and Goat Management	
or ANS 412	Beef Cattle Management	
or ANS 413	Swine Management	
or ANS 415	Companion Animal Management	
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
AG 408	Nutritional Biochemistry	3
or CHEM 314	General Biochemistry	

or CHEM 414	Biochemistry
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Total Hours	120
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- * These courses can be used to fulfill both the Core Curriculum Requirements and courses in the major.
- † Please seek advice from your advisor regarding electives
- ^ ANS 317 Livestock Management may not be used as an elective in the Biosciences concentration.

Course	Title	Hours
First Year		
Fall		
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	Hours	0
	Total Hours	0