

# Animal Science-Biosciences Option B.S.

<b>Core Curriculum Courses</b>		<b>42</b>
See the Core Curriculum Requirements ( <a href="http://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/">http://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/</a> )		
<b>Required courses in the major</b>		
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 *	
ANS 319	Anatomy and Physiology of Domestic Animals	3
ANS 320	Anatomy and Physiology of Domestic Animals 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 317	Livestock Management Techniques	3
FDSC 318	Meat Technology	3
<b>Required Support Courses (with a minimum grade of D)</b>		
AEC 2317	Agricultural Economics	3
AEC 380	Agricultural Statistics	3
or BSC 412	Fundamentals of Biostatistics	
or MATH 453	Essentials of Statistics	
AG 405	Internship Agri-Industries	3-6
BSC 1406	Introductory Biology I *	
BSC 1407	Introductory Biology II *	
MATH 1314	College Algebra *	
PHIL 360	General Ethics *	
<b>Biosciences Concentration</b>		
AG 408	Nutritional Biochemistry	3
or CHEM 314	General Biochemistry	
or CHEM 414	Biochemistry	
ANS electives †		6
ANS, AG, ANZ, BSC, CHEM, EQSC, PLS or VETT electives (300-400 level) †		9
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 *	
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
MATH 2312	Pre-Calculus	3

**Total Hours** **120-123**

\*  
These courses can be used to fulfill both the Core Curriculum Requirements and courses in the major.

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Please seek advice from your advisor regarding electives