

ANIMAL SCIENCE - BS, SCIENCE OPTION

Program Requirements

First Year

		Semester Credit Hours
ANSC 101	Introductory Seminar for Animal Science	1
ANSC 107 & ANSC 108	General Animal Science and General Animal Science Laboratory	4
CHEM 119	Fundamentals of Chemistry I	4
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) ¹		3
Mathematics (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics) ¹		3
Semester Credit Hours		15

Spring

ANSC 111	Animal Production Systems	3
ANSC 113	Farm Animal Biosystems	2
CHEM 120	Fundamentals of Chemistry II	4
ENGL 104	Composition and Rhetoric	3
Mathematics (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics) ¹		3
Semester Credit Hours		15

Second Year

ANSC 303	Principles of Animal Nutrition	3
BIOL 111	Introductory Biology I	4
CHEM 257	Organic Chemistry I - Structure and Function	4
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ¹		3
Semester Credit Hours		14

Spring

ANSC 307	Meats	3
BIOL 112	Introductory Biology II	4
CHEM 258	Organic Chemistry II - Reactivity and Applications	4
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ¹		3
Social and behavioral sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences) ¹		3
Semester Credit Hours		17

Third Year

ANSC 318	Animal Feeds and Feeding	3

BICH 410 or BICH 409	Comprehensive Biochemistry I or Principles of Biochemistry	3
GENE 301 & GENE 312	Comprehensive Genetics and Comprehensive Genetics Laboratory	4
Select one of the following:		3
STAT 301	Introduction to Biometry	
STAT 302	Statistical Methods	
STAT 303	Statistical Methods	
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)		3

Semester Credit Hours 16

Spring		
ANSC 305	Animal Breeding	3
ANSC 333 & ANSC 334	Reproduction in Farm Animals and Reproduction in Farm Animals Laboratory	3
Select one of the following:		4
ANSC 326/ FSTC 326 & ANSC 327/ FSTC 327	Food Bacteriology and Food Bacteriology Lab	
BIOL 206	Introductory Microbiology	
BIOL 351	Fundamentals of Microbiology	
VTPB 405	Biomedical Microbiology	
General elective ²		6

Semester Credit Hours 16

Summer		
Animal science experience ³		0
ANSC 399	Animal Science Experience	
Semester Credit Hours		0

Fourth Year

Fall		
ANSC disciplinary focus ⁴		4
ANSC disciplinary focus ⁴		4
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) ¹		3
General elective ²		3
Semester Credit Hours		14

Spring		
ANSC 498	Animal Science Capstone	4
COMM 203 or ENGL 210	Public Speaking or Technical and Professional Writing	3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) ¹		3
General elective ²		3
Semester Credit Hours		13
Total Semester Credit Hours		120

¹ To be selected from the University Core Curriculum. The University Core Curriculum includes a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural->

diversity-requirements/) and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>). Refer to the the University Core Curriculum (<http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/>) catalog page for a list of acceptable courses. A course satisfying another Core category, a college/department requirement or taken as a general elective can be used to satisfy these requirements. Select in consultation with an academic advisor.

² Students may choose to use general electives to complete a concentration in a pre-professional program, a pre-graduate study area, and/or a certificate program.

³ All students are required to complete an animal science experience in order to graduate. May include but is not limited to: undergraduate research, study abroad, internships, and competitive judging teams. To be selected in consultation with your academic advisor.

⁴ Select from the following courses: ANSC 404, ANSC 406, ANSC 408, ANSC 412, ANSC 414, ANSC 420, ANSC 429, ANSC 434, ANSC 437, ANSC 447, ANSC 451; DASC 418. 8 total hours required.

Students are required to make a C or better for each of their courses in the major (ANSC) coursework area.

All undergraduate students must take at least two (2) specific courses in their major designated as writing or communication intensive (W or C). To be chosen in consultation with your academic advisor.

Maximum of 4 hours of ANSC 485 may be used in this program.

Maximum of 5 hours of ANSC 494 may be used in this program.