

# ANIMAL SCIENCE - BS, PRODUCTION/INDUSTRY OPTION

## Program Requirements

### First Year

Fall		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 ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> ) <sup>1</sup>		3
Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> ) <sup>1</sup>		3
Semester Credit Hours		15

### Spring

ANSC 111	Animal Production Systems	3
ANSC 113	Farm Animal Biosystems	2
BIOL 107 or BIOL 111	Zoology or Introductory Biology I	4
Communication ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> ) <sup>1</sup>		3
Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> ) <sup>1</sup>		3
Semester Credit Hours		15

### Second Year

Fall		Semester Credit Hours
ANSC 303/ NUTR 303	Principles of Animal Nutrition	3
CHEM 222	Elements of Organic and Biological Chemistry	3
Select one of the following:		3
AGEC 105	Introduction to Agricultural Economics	
ECON 202	Principles of Economics	
ECON 203	Principles of Economics	
Select one of the following:		3
ANSC 309	Applied Animal Record Keeping	
STAT 301	Introduction to Biometry	
STAT 302	Statistical Methods	
STAT 303	Statistical Methods	
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>1</sup>		3
Semester Credit Hours		15

### Spring

ACCT 209	Survey of Accounting Principles	3
ANSC 307/ FSTC 307	Meats	3
ANSC 333	Reproduction in Farm Animals	3
GENE 301	Comprehensive Genetics	3
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>1</sup>		3
Semester Credit Hours		15

### Third Year

Fall		Semester Credit Hours
ACCT 210	Survey of Managerial and Cost Accounting Principles	3
ANSC 305	Animal Breeding	3
ANSC 318	Animal Feeds and Feeding	3
Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> ) <sup>1</sup>		3
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> ) <sup>1</sup>		3
Semester Credit Hours		15

### Spring

ANSC 326/ FSTC 326 or BIOL 206	Food Bacteriology or Introductory Microbiology	3
Select one of the following:		3
AGEC 325	Principles of Farm and Ranch Management	
AGEC 340	Agribusiness Management	
MGMT 309	Survey of Management	
ANSC disciplinary focus <sup>2</sup>		4
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> ) <sup>1</sup>		3
Directed elective <sup>3</sup>		3
Semester Credit Hours		16

### Summer

ANSC 399	Animal Science Experience <sup>4</sup>	0
Semester Credit Hours		0

### Fourth Year

Fall		Semester Credit Hours
AGEC 330 or FINC 409	Financial Management in Agriculture or Survey of Finance Principles	3
ANSC disciplinary focus <sup>2</sup>		4
Agriculture elective <sup>5</sup>		3
Directed elective <sup>3</sup>		3
General elective		3
Semester Credit Hours		16

### Spring

ANSC 498	Animal Science Capstone	4
Communication ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> ) <sup>1</sup>		3

Directed elective <sup>3</sup>	3
General elective	3
<hr/>	
Semester Credit Hours	13
<hr/>	
Total Semester Credit Hours	120

- <sup>1</sup> 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 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.
- <sup>2</sup> Select from the following courses: ANSC 404, ANSC 406, ANSC 408, ANSC 412, ANSC 414, ANSC 420, ANSC 429, ANSC 434, ANSC 447, DASC 418. 8 total hours required.
- <sup>3</sup> Any ANSC (<http://catalog.tamu.edu/undergraduate/course-descriptions/ansc/>) course that is not fulfilling part of your "major coursework" category.
- <sup>4</sup> May include but is not limited to: undergraduate research, study abroad, internships, and competitive judging teams. At least one term enrollment in ANSC 399 required; can complete in Fall, Spring, or Summer.
- <sup>5</sup> Any course taught within the College of Agriculture and Life Sciences.

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

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