

# ANIMAL SCIENCE - BS, PRODUCTION/INDUSTRY OPTION

## Program Requirements

### First Year

	Semester Credit Hours
<b>Fall</b>	
ANSC 101 Introductory Seminar for Animal Science	1
ANSC 107 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
<b>Semester Credit Hours</b>	<b>15</b>

### Spring

ANSC 111 Animal Production Systems	3
ANSC 113 Farm Animal Biosystems	2
BIOL 107 Zoology or BIOL 111 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
<b>Semester Credit Hours</b>	<b>15</b>

### Second Year

	Semester Credit Hours
<b>Fall</b>	
ANSC 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
<b>Semester Credit Hours</b>	<b>15</b>

### Spring

ACCT 209 Survey of Accounting Principles	3
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ANSC 307 Meats	3
ANSC 333 & ANSC 334 Reproduction in Farm Animals and Reproduction in Farm Animals Laboratory	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

	Semester Credit Hours
<b>Fall</b>	
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
<b>Semester Credit Hours</b>	<b>15</b>

### 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
<b>Semester Credit Hours</b>	<b>16</b>

### Summer

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

### Fourth Year

	Semester Credit Hours
<b>Fall</b>	
AGEC 330 Financial Management in Agriculture or FINC 409 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
<b>Semester Credit Hours</b>	<b>16</b>

### 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
<b>Semester Credit Hours</b>	<b>13</b>
<b>Total Semester Credit Hours</b>	<b>120</b>

- <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 437, ANSC 447, ANSC 451; 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> 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.
- <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.

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

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