ANIMAL SCIENCE: PRODUCTION AND OPERATIONS, BSAG

Requirements for Students Matriculating in or before Academic Year 2022-2023. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00
Total Hours: 120

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
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American History & Government
Select one of the following:
- HIST 1103 | Survey of American History | 3
- HIST 1483 | American History to 1865 (H) | 3
- HIST 1493 | American History Since 1865 (DH) | 3
- POLS 1113 | American Government | 3

Analytical & Quantitative Thought (A)
Select one of the following:
- MATH 1513 | College Algebra (A) | 3
- or MATH 1483 | Mathematical Functions and Their Uses (A) | 3
- STAT 2013 | Elementary Statistics (A) | 3
- STAT 2023 | Elementary Statistics for Business and Economics (A) | 3

Humanities (H)
Courses designated (H) | 6

Natural Sciences (N)
Must include one Laboratory Science (L) course
Select four hours from the following:
- BIOL 1111 | Introductory Biology (N) | 4
- & BIOL 1111 | and Introductory Biology Laboratory (LN) | 4
- BIOL 1114 | Introductory Biology (LN) | 4
Any course designated (N) | 3

Social & Behavioral Sciences (S)
AGEC 1113 | Introduction to Agricultural Economics (S) | 3

Additional General Education
Courses designated (A), (H), (N), or (S) | 6

Hours Subtotal | 40

Diversity (D) & International Dimension (I)
May be completed in any part of the degree plan

Select at least one Diversity (D) course
Select at least one International Dimension (I) course

College/Departmental Requirements

Agricultural Sciences and Natural Resources
AG 1011 | First Year Seminar | 5

Select one of the following: | 5
- HORT 1013 | Principles of Horticultural Science (LN) | 5
- PLNT 1213 | Introduction to Plant and Soil Systems | 5
- SOIL 1113 | Land, Life and the Environment (N) | 5
- SOIL 2124 | Fundamentals of Soil Science (N) | 5

Select four hours from the following:
- ANSI 1023 | Introduction to the Animal Sciences | 5
- & ANSI 1021 | Introduction to the Animal Sciences Lab | 5
- ANSI 1124 | Introduction to the Animal Sciences | 5
- ANSI 2111 | Animal and Food Science Professional Development | 5
- ANSI 2253 | Meat Animal and Carcass Evaluation | 5
- or ANSI 2233 | The Meat We Eat | 5
- CHEM 1215 | Chemical Principles I (LN) | 2
- or CHEM 1314 | Chemistry I (LN) | 2

Written and Oral Communications
Select 3 hours of the following courses:
- AGCM 3103 | Written Communications in Agricultural Sciences and Natural Resources | 5
- ENGL 3323 | Technical Writing | 3
- BCOM 3113 | Written Communication | 5

Select one of the following: | 4
- AGCM 3203 | Oral Communications in Agricultural Sciences & Natural Resources (S) | 5
- SPCH 2713 | Introduction to Speech Communication (S) | 5
- SPCH 3733 | Elements of Persuasion (S) | 5
- ANSI 3423 | Animal Genetics | 5
- ANSI 3433 | Animal Breeding | 5
- ANSI 3444 | Animal Reproduction | 5
- ANSI 3543 | Principles of Animal Nutrition | 5
- ANSI 3653 | Applied Animal Nutrition | 5

Hours Subtotal | 38

Major Requirements

Core Courses
- ANSI 2112 | Live Animal Evaluation | 2
- ANSI 3414 | Form and Function of Livestock and Poultry | 4
- ANSI 3651 | Applied Animal Nutrition Lab | 1
- ANSI 4863 | Capstone for Animal Agriculture | 3

Select 6 hours from the following:
- ANSI 3123 | Livestock Health and Diseases | 6
- ANSI 3333 | Meat Science | 3
- ANSI 3533 | Equine Management and Production | 3
- ANSI 3623 | Livestock Behavior and Environmental Interactions | 3
- ANSI 3753 | Basic Nutrition for Pets | 3

Hours Subtotal | 38
Select 9 hours from the following:  
<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ANSI 4023</td>
<td>Poultry Science</td>
</tr>
<tr>
<td>ANSI 4203</td>
<td>Rangeland and Pasture Utilization</td>
</tr>
<tr>
<td>ANSI 4423</td>
<td>Horse Science</td>
</tr>
<tr>
<td>ANSI 4523</td>
<td>Pet and Companion Animal Management</td>
</tr>
<tr>
<td>ANSI 4543</td>
<td>Dairy Cattle Science</td>
</tr>
<tr>
<td>ANSI 4553</td>
<td>Sheep Science</td>
</tr>
<tr>
<td>ANSI 4613</td>
<td>Beef Cow-Calf Management</td>
</tr>
<tr>
<td>ANSI 4633</td>
<td>Stocker and Feedlot Cattle Management</td>
</tr>
<tr>
<td>ANSI 4643</td>
<td>Swine Science</td>
</tr>
<tr>
<td>ANSI 4703</td>
<td>Equine Enterprise Management</td>
</tr>
<tr>
<td>ANSI 4713</td>
<td>Beef Seedstock Management and Sales</td>
</tr>
<tr>
<td>ANSI 4803</td>
<td>Animal Growth and Performance</td>
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**Additional Core Courses**

Select 3 hours from the following:  
<table>
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<tbody>
<tr>
<td>ANSI 3310</td>
<td>Advanced Competitive Evaluation</td>
</tr>
<tr>
<td>ANSI 3312</td>
<td>Advanced Meat Animal Evaluation</td>
</tr>
<tr>
<td>ANSI 3322</td>
<td>Applied Meat Animal Selection</td>
</tr>
<tr>
<td>ANSI 3410</td>
<td>Peer-Led Team Learning in Animal Science</td>
</tr>
<tr>
<td>ANSI 3420</td>
<td>Undergraduate Research in Animal and Food Science</td>
</tr>
<tr>
<td>ANSI 4910</td>
<td>Animal Industry Internship</td>
</tr>
<tr>
<td>AG 3080</td>
<td>International Experience</td>
</tr>
<tr>
<td>ENTO 3003</td>
<td>Livestock Entomology</td>
</tr>
<tr>
<td>SOIL 2124</td>
<td>Fundamentals of Soil Science (N)</td>
</tr>
</tbody>
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**Related Courses**

Selected 7 hours from any ANSI course or from Ferguson College of Agriculture

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<tbody>
<tr>
<td></td>
<td>Hours Subtotal</td>
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<tr>
<td></td>
<td>42</td>
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</table>

**Electives**

Select 0 hours or hours to complete required total for degree

<table>
<thead>
<tr>
<th>Code</th>
<th>Hours</th>
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<tr>
<td></td>
<td>0</td>
<td>120</td>
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</table>

1

College and Departmental requirements that may be used to meet General Education requirements.

2

If used for (N) requirement, hours in this block are reduced by CHEM course hours and related courses increased.

3

If ENGL 3323 is substituted for ENGL 1213 above, hours in this block are reduced by 3.

4

If used as (S) course above, hours in this block reduced by 3.

5

Hours meeting the major common core.

**Other Requirements**

- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above.
- A 2.00 GPA or higher in upper-division hours.

**Additional State/OSU Requirements**

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2028.