ANIMAL SCIENCE: ANIMAL BIOTECHNOLOGY, BSAG

Requirements for Students Matriculating in or before Academic Year 2020-2021. 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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<tbody>
<tr>
<td>AG 1011</td>
<td>First Year Seminar</td>
<td>1</td>
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<tr>
<td>ANSI 1124</td>
<td>Introduction to the Animal Sciences</td>
<td>4</td>
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<tr>
<td>ANSI 2111</td>
<td>Animal and Food Science Professional</td>
<td>1</td>
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<tr>
<td>ANSI 2233</td>
<td>The Meat We Eat</td>
<td>3</td>
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<tr>
<td>or ANSI 2253</td>
<td>Meat Animal and Carcass Evaluation</td>
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<tr>
<td>Select one of the following:</td>
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<td>3</td>
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<tr>
<td>HORT 1013</td>
<td>Principles of Horticultural Science (LN)</td>
<td></td>
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<tr>
<td>PLNT 1213</td>
<td>Introduction to Plant and Soil Systems</td>
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<tr>
<td>SOIL 1113</td>
<td>Land, Life and the Environment (N)</td>
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<tr>
<td>SOIL 2124</td>
<td>Fundamentals of Soil Science (N)</td>
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<tr>
<td>CHEM 1314</td>
<td>Chemistry I (LN)</td>
<td>4</td>
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<tr>
<td>or CHEM 1215</td>
<td>Chemical Principles I (LN)</td>
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Written and Oral Communications
AGCM 3103 Written Communications in Agricultural Sciences and Natural Resources 3
or ENGL 3323 Technical Writing
Select one of the following: 4
AGCM 3203 Oral Communications in Agricultural Sciences & Natural Resources (S)
SPCH 2713 Introduction to Speech Communication (S)
SPCH 3733 Elements of Persuasion (S)

Hours Subtotal 22

Major Requirements
Core Courses
ANSI 3423 Animal Genetics 3
ANSI 3443 Animal Reproduction 3
ANSI 3543 Principles of Animal Nutrition 3
ANSI 4843 Applications of Biotechnology in Animal Science 3
ANSI 4863 Capstone for Animal Agriculture 3
Choose Option 1 or 2 from below: (p. 2) 9

Additional Core Courses
CHEM 1225 Chemical Principles II (LN) 5
or CHEM 1515 Chemistry II (LN) 5
MICR 2123 Introduction to Microbiology 3
MICR 2132 Introduction to Microbiology Laboratory 2
PHYS 1014 Descriptive Physics (N) 4
or PHYS 1114 College Physics I (LN) 4
MICR 3033 Cell and Molecular Biology 3
or BIOL 4215 Mammalian Physiology 3
Select one of the following: 4
ANSI 3414 Form and Function of Livestock and Poultry 3
PHYS 1604 Animal Biology 5
BIOL 3204 Physiology 5
Select 5 hours of upper division organic chemistry 5

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
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 2026.