ANIMAL SCIENCE: RANCH OPERATIONS, 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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</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>
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Select one of the following:

- ENGL 1213 Composition II
- ENGL 1413 Critical Analysis and Writing II
- ENGL 3323 Technical Writing

American History & Government

Select one of the following:

- HIST 1103 Survey of American History
- HIST 1483 American History to 1865 (H)
- HIST 1493 American History Since 1865 (DH)
- POLS 1113 American Government

Analytical & Quantitative Thought (A)

Select one of the following:

- MATH 1513 College Algebra (A)¹
- or MATH 1483 Mathematical Functions and Their Uses (A)

Select one of the following:

- MATH 1613 Trigonometry (A)¹
- STAT 2013 Elementary Statistics (A)¹
- STAT 2023 Elementary Statistics for Business and Economics (A)¹

Humanities (H)

Courses designated (H)

Natural Sciences (N)

Must include one Laboratory Science (L) course

Biology 1114 Introductory Biology (LN)¹

Any course designated (N)

Social & Behavioral Sciences (S)

AGEC 1113 Introduction to Agricultural Economics (S)¹

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

<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>or HORT 1013</td>
<td>Principles of Horticultural Science (LN)</td>
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<tr>
<td>or PLNT 1213</td>
<td>Introduction to Plant and Soil Systems</td>
<td></td>
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<tr>
<td>or SOIL 1113</td>
<td>Land, Life and the Environment (N)</td>
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<td>or SOIL 2124</td>
<td>Fundamentals of Soil Science (N)</td>
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<tr>
<td>or ANSI 1124</td>
<td>Introduction to the Animal Sciences</td>
<td>4</td>
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<tr>
<td>or ANSI 2111</td>
<td>Animal and Food Science Professional Development</td>
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<tr>
<td>or ANSI 2112</td>
<td>Live Animal Evaluation</td>
<td>2</td>
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<tr>
<td>or 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>or CHEM 1215</td>
<td>Chemical Principles I (LN)²</td>
<td>4</td>
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<td>or CHEM 1314</td>
<td>Chemistry I (LN)</td>
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<td>or CHEM 1225</td>
<td>Chemical Principles II (LN)²</td>
<td>5</td>
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<tr>
<td>or CHEM 1515</td>
<td>Chemistry II (LN)</td>
<td></td>
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Written and Oral Communications

AGCM 3103 Written Communications in Agricultural Sciences and Natural Resources³

Select one of the following: ³

- 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

29

Major Requirements

Core Courses

ANSI 3333 Meat Science

or ANSI 3623 Livestock Behavior and Environmental Interactions

ANSI 3423 Animal Genetics

ANSI 3433 Animal Breeding

ANSI 3443 Animal Reproduction

ANSI 3543 Principles of Animal Nutrition

ANSI 3653 Applied Animal Nutrition

ANSI 4863 Capstone for Animal Agriculture

Select 9 hours of the following:

- ANSI 4423 Horse Science
- ANSI 4553 Sheep Science
- ANSI 4613 Beef Cow-Calf Management
- ANSI 4633 Stocker and Feedlot Cattle Management
- ANSI 4703 Equine Enterprise Management
- ANSI 4713 Beef Seedstock Management and Sales

Select 9 hours of the following:

- ANSI 4203 Rangeland and Pasture Utilization
- ANSI 4973 Rangeland Resources Planning
- or NREM 4613 Rangeland Resources Planning
- PBIOS 4005 Field Botany
- NREM 3613 Principles of Rangeland Management
- NREM 4783 Prescribed Fire
- NREM 4793 Advanced Prescribed Fire

Additional Core Courses

AGCM 3003 Written Communications in Agricultural Sciences and Natural Resources

ANSI 3333 Meat Science

or ANSI 3623 Livestock Behavior and Environmental Interactions

ANSI 3423 Animal Genetics

ANSI 3433 Animal Breeding

ANSI 3443 Animal Reproduction

ANSI 3543 Principles of Animal Nutrition

ANSI 3653 Applied Animal Nutrition

ANSI 4863 Capstone for Animal Agriculture

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- NREM 4783 Prescribed Fire
- NREM 4793 Advanced Prescribed Fire
SOIL 2124  Fundamentals of Soil Science (N)  4
ACCT 2103  Financial Accounting  3
or ACCT 2003  Survey of Accounting

AGEC 3423  Farm and Agribusiness Management  3
or AGEC 3403  Agricultural Small Business Management

Related Courses
Select 2 hours of the following: 2
Any upper division: ACCT, AGEC, ANSI, BIOL, ENTO, EEE, FDSC, FIN, LSB, MGMT, MKTG, NREM, PLNT, SOIL

Hours Subtotal  51

Electives
Select 0 hours or hours to complete required total for degree  0
Total Hours  120

1. College & Departmental requirements that may be used to meet GE requirements.
2. If used for (N) requirement, hours in this block are reduced by CHEM course hours.
3. If ENGL 3323 Technical Writing is substituted for ENGL 1213 Composition II above; hours in this block are reduced by 3.
4. If used as (S) course above, hours in this block reduced by 3.

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.