# Animal Science: Ranch Operations, BSAG

Requirements for Students Matriculating in or before Academic Year 2019-2020. 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>General Education Requirements</td>
<td>ENGL 1113</td>
<td>Composition I</td>
</tr>
<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td></td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td></td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
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American History & Government

Select one of the following: 3

| HIST 1103 | Survey of American History | |
| HIST 1483 | American History to 1865 (H) | |
| HIST 1493 | American History Since 1865 (DH) | |
| POLS 1113 | American Government | 3 |

Analytical & Quantitative Thought (A)

Select one of the following: 3

| MATH 1513 | College Algebra (A) | 3 |
| or MATH 1483 | Mathematical Functions and Their Uses (A) | |
| 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) | 6 |

Natural Sciences (N)

Must include one Laboratory Science (L) course

| 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 | 1 |
PLNT 1213 | Introduction to Plant and Soil Systems | 3 |
ANSI 1124 | Introduction to the Animal Sciences | 4 |
ANSI 2111 | Animal and Food Science Professional Development | 1 |
ANSI 2112 | Live Animal Evaluation | 2 |
ANSI 2233 | The Meat We Eat | 3 |
or ANSI 2253 | Meat Animal and Carcass Evaluation | |
CHEM 1215 | Chemical Principles I (LN) | 2 |
or CHEM 1314 | Chemistry I (LN) | |

Additional Requirements

CHEM 1225 | Chemical Principles II (LN) | 2 |
or CHEM 1515 | Chemistry II (LN) | |

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 | 29 |

Major Requirements

Core Courses

ANSI 3333 | Meat Science | 3 |
or ANSI 3623 | Livestock Behavior Handling | |
ANSI 3423 | Animal Genetics | 3 |
ANSI 3433 | Animal Breeding | 3 |
ANSI 3443 | Animal Reproduction | 3 |
ANSI 3543 | Principles of Animal Nutrition | 3 |
ANSI 3653 | Applied Animal Nutrition | 3 |
ANSI 4863 | Capstone for Animal Agriculture | 3 |
Select 9 hours of the following: 9

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: 9

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

Additional Core Courses

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**

<table>
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<tr>
<th>Select 2 hours of the following:</th>
<th>2</th>
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<tbody>
<tr>
<td>Any upper division: ACCT, AGEC, ANSI, BIOL, ENTO, EEE, FDSC, FIN, LSB, MGMT, MKTG, NREM, PLNT, SOIL</td>
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**Hours Subtotal** 51

**Electives**

<table>
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<tr>
<th>Select 0 hours or hours to complete required total for degree</th>
<th>0</th>
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**Total Hours** 120

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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.

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**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.

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**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 2025.