### Requirements for Students Matriculating in or before Academic Year 2024-2025

Learn more about University Academic Regulation 3.1 ([http://catalog.okstate.edu/university-academic-regulations/#matriculation](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>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Education Requirements</strong></td>
<td></td>
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<tr>
<td>English Composition</td>
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<tr>
<td>See Academic Regulation 3.5 (<a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition/">http://catalog.okstate.edu/university-academic-regulations/#english-composition/</a>)</td>
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<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td>3</td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
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<tr>
<td>American History &amp; Government</td>
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<td></td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>HIST 1103</td>
<td>Survey of American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1483</td>
<td>American History to 1865 (H)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1493</td>
<td>American History Since 1865 (DH)</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1113</td>
<td>American Government</td>
<td>3</td>
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<tr>
<td>Analytical &amp; Quantitative Thought (A)</td>
<td></td>
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<tr>
<td>MATH 1513</td>
<td>College Algebra (A)</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 1483</td>
<td>Mathematical Functions and Their Uses (A)</td>
<td>3</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>STAT 2013</td>
<td>Elementary Statistics (A)</td>
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<tr>
<td>STAT 2023</td>
<td>Elementary Statistics for Business and Economics (A)</td>
<td>3</td>
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<tr>
<td>Humanities (H)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Courses designated (H)</td>
<td></td>
<td>6</td>
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<tr>
<td>Natural Sciences (N)</td>
<td></td>
<td></td>
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<tr>
<td>Must include one Laboratory Science (L) course</td>
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<tr>
<td>Select four hours from the following:</td>
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<tr>
<td>BIOL 1113 &amp; BIOL 1111</td>
<td>Introductory Biology (N) and Introductory Biology Laboratory (LN)</td>
<td>1</td>
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<tr>
<td>BIOL 1114</td>
<td>Introductory Biology (LN)</td>
<td>3</td>
</tr>
<tr>
<td>Any course designated (N)</td>
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<td>3</td>
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<tr>
<td>Social &amp; Behavioral Sciences (S)</td>
<td></td>
<td></td>
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<tr>
<td>AGEC 1113</td>
<td>Introduction to Agricultural Economics (S)</td>
<td>3</td>
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<tr>
<td>Additional General Education</td>
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<tr>
<td>Courses designated (A), (H), (N), or (S)</td>
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<tr>
<td><strong>Hours Subtotal</strong></td>
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<td>40</td>
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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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>College/Departmental Requirements</strong></td>
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<tr>
<td><strong>Agricultural Sciences and Natural Resources</strong></td>
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<tr>
<td>AG 1011</td>
<td>First Year Seminar</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>HORT 1013</td>
<td>Principles of Horticultural Science (LN)</td>
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<tr>
<td>PLNT 1213</td>
<td>Introduction to Plant and Soil Systems</td>
<td>5</td>
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<tr>
<td>SOIL 1113</td>
<td>Land, Life and the Environment (N)</td>
<td>5</td>
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<tr>
<td>SOIL 2124</td>
<td>Fundamentals of Soil Science (N)</td>
<td>5</td>
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<tr>
<td>Select four hours from the following:</td>
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<tr>
<td>ANSI 1023 &amp; ANSI 1021</td>
<td>Introduction to the Animal Sciences and Introduction to the Animal Sciences Lab</td>
<td>5</td>
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<tr>
<td>ANSI 1124</td>
<td>Introduction to the Animal Sciences</td>
<td>5</td>
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<tr>
<td>ANSI 2111</td>
<td>Animal and Food Science Professional Development</td>
<td>5</td>
</tr>
<tr>
<td>ANSI 2253</td>
<td>Meat Animal and Carcass Evaluation</td>
<td>5</td>
</tr>
<tr>
<td>or ANSI 2233</td>
<td>The Meat We Eat</td>
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<tr>
<td>CHEM 1215</td>
<td>Chemical Principles I (LN)</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1314</td>
<td>Chemistry I (LN)</td>
<td>5</td>
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<tr>
<td><strong>Written and Oral Communications</strong></td>
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<tr>
<td>Select 3 hours of the following courses:</td>
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<tr>
<td>AGCM 3103</td>
<td>Written Communications in Agricultural Sciences and Natural Resources</td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
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<tr>
<td>BCOM 3113</td>
<td>Written Communication</td>
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<td>Select one of the following:</td>
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<tr>
<td>AGCM 3203</td>
<td>Oral Communications in Agricultural Sciences &amp; Natural Resources (S)</td>
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<tr>
<td>SPCH 2713</td>
<td>Introduction to Speech Communication (S)</td>
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<tr>
<td>SPCH 3733</td>
<td>Elements of Persuasion (S)</td>
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<tr>
<td>ANSI 3423</td>
<td>Animal Genetics</td>
<td>5</td>
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<tr>
<td>ANSI 3433</td>
<td>Animal Breeding</td>
<td>5</td>
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<tr>
<td>ANSI 3444</td>
<td>Animal Reproduction</td>
<td>5</td>
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<tr>
<td>ANSI 3543</td>
<td>Principles of Animal Nutrition</td>
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<tr>
<td>ANSI 3653</td>
<td>Applied Animal Nutrition</td>
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<tr>
<td><strong>Hours Subtotal</strong></td>
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<td>38</td>
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<tr>
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<tbody>
<tr>
<td><strong>Major Requirements</strong></td>
<td></td>
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</tr>
<tr>
<td>Core Courses</td>
<td></td>
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<tr>
<td>ANSI 2112</td>
<td>Live Animal Evaluation</td>
<td>2</td>
</tr>
<tr>
<td>ANSI 3414</td>
<td>Form and Function of Livestock and Poultry</td>
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</tr>
<tr>
<td>ANSI 3651</td>
<td>Applied Animal Nutrition Lab</td>
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<tr>
<td>ANSI 4863</td>
<td>Capstone for Animal Agriculture</td>
<td>3</td>
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<tr>
<td>Select 6 hours from the following:</td>
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<tr>
<td>ANSI 3123</td>
<td>Livestock Health and Diseases</td>
<td>3</td>
</tr>
<tr>
<td>ANSI 3333</td>
<td>Meat Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSI 3533</td>
<td>Equine Management and Production</td>
<td>3</td>
</tr>
<tr>
<td>ANSI 3623</td>
<td>Livestock Behavior and Environmental Interactions</td>
<td>3</td>
</tr>
<tr>
<td>ANSI 3753</td>
<td>Basic Nutrition for Pets</td>
<td>3</td>
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</tbody>
</table>
Select 9 hours from the following:  
9  
ANSI 4023 Poultry Science  
ANSI 4203 Rangeland and Pasture Utilization  
ANSI 4423 Horse Science  
ANSI 4523 Pet and Companion Animal Management  
ANSI 4543 Dairy Cattle Science  
ANSI 4553 Sheep Science  
ANSI 4613 Beef Cow-Calf Management  
ANSI 4633 Stocker and Feedlot Cattle Management  
ANSI 4643 Swine Science  
ANSI 4703 Equine Enterprise Management  
ANSI 4713 Beef Seedstock Management and Sales  
ANSI 4803 Animal Growth and Performance  

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

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

Hours Subtotal: 42  

Electives  
Select 0 hours or hours to complete required total for degree  
0  

Total Hours: 120  

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 2030.