AGRICULTURAL SCIENCES AND NATURAL RESOURCES

AGRICULTURAL SCIENCE AND ENGINEERING

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>
</tr>
</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></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
<td></td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td></td>
</tr>
<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td></td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 1103</td>
<td>Survey of American History</td>
<td></td>
</tr>
<tr>
<td>HIST 1483</td>
<td>American History to 1865 (H)</td>
<td></td>
</tr>
<tr>
<td>HIST 1493</td>
<td>American History Since 1865 (DH)</td>
<td></td>
</tr>
<tr>
<td>POLS 1113</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
<td></td>
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<tr>
<td>MATH 2103</td>
<td>Business Calculus (A)</td>
<td>1</td>
</tr>
<tr>
<td>MATH 2123</td>
<td>Calculus for Technology Programs I (A)</td>
<td>1</td>
</tr>
<tr>
<td>MATH 2144</td>
<td>Calculus I (A)</td>
<td></td>
</tr>
<tr>
<td>STAT 2023</td>
<td>Elementary Statistics for Business and Economics (A) (or equivalent STAT course designated A)</td>
<td>1</td>
</tr>
</tbody>
</table>

Humanities (H)
Courses designated (H) 6
Natural Sciences (N)
Must include one Laboratory Science (L) course
Select one of the following: 4
CHEM 1314 | Chemistry I (LN)                     | 1     |
CHEM 1215 | Chemical Principles I (LN)           | 1     |
CHEM 1014 | Chemistry In Civilization (LN)       |       |
Any course designated (N) 3
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
AG 1011 | First Year Seminar                   | 1     |
From two of the following groups, select one course: 6

Group 1
PLNT 1213 | Introduction to Plant and Soil Systems |       |
HORT 1013 | Principles of Horticultural Science (LN) |       |
NREM 1113 | Elements of Forestry                 |       |

Group 2
SOIL 1113 | Land, Life and the Environment (N)   |       |
SOIL 2124 | Fundamentals of Soil Science (N)     |       |

Group 3
ANSI 1124 | Introduction to the Animal Sciences  |       |
FDSC 1133 | Fundamentals of Food Science          |       |
ENTO 2993 | Introduction to Entomology (LN)       |       |

Group 4
NREM 1014 | Introduction to Natural History (LN)  |       |
NREM 2013 | Ecology of Natural Resources          |       |
NREM 3013 | Applied Ecology and Conservation      |       |
ENVR 1113 | Elements of Environmental Science     |       |
BIOC 2344 | Chemistry and Applications of Biomolecules |       |
BIOC 3713 | Biochemistry I                        |       |
LA 1013 | Introduction to Landscape Architecture and Landscape Management |       |

Written & Oral Communications
Select one of the following: 3
AGCM 3003 | Written Communications in Agricultural Sciences and Natural Resources |       |
BCOM 3113 | Written Communication                 |       |
BCOM 3443 | Business Communication for International Students |       |
ENGL 3323 | Technical Writing                     | 2     |
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                |       |

Hours Subtotal 13

Major Requirements
Core Courses
Select from one of the following pairs of courses: 6
ACCT 2103 | Financial Accounting                 |       |
ACCT 2203 | Managerial Accounting                |       |
or
ACCT 2003 | Survey of Accounting                 |       |
ACCT 3004 | Foundational Accounting and Data Skills |       |
AGEC 1101 | Agricultural Economics and Agribusiness Experience |       |
AGEC 3101 | Professional Career Development      |       |
AGEC 3213 | Quantitative Methods in Agricultural Economics |       |
AGEC 3333 | Agricultural Marketing and Price Analysis |       |
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AGEC 3423</td>
<td>Farm and Agribusiness Management</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 3603</td>
<td>Agricultural Finance</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 3713</td>
<td>Agricultural Law</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2203</td>
<td>Introduction to Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3113</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 3023</td>
<td>Managerial Economics</td>
<td></td>
</tr>
<tr>
<td>Select 9 hours from AGEC 4000 level excluding AGEC 4990</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>Select 6 upper division hours from the following:</td>
<td></td>
<td>6</td>
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<tr>
<td>AGEC, ECON, AGCM 3213, MKTG 3213 or MGMT 3013</td>
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**Related Courses**

Check with your Advisor about using these hours and electives to minor in an area in Ferguson College of Agriculture or Spears School of Business (SSB)

12 hours from Ferguson College of Agriculture or SSB courses not used elsewhere with at least 9 of the 12 hours upper division

<table>
<thead>
<tr>
<th>Hours Subtotal</th>
<th>56</th>
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**Electives**

Select 11 hours or hours to complete required total for degree

<table>
<thead>
<tr>
<th>Hours Subtotal</th>
<th>11</th>
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<table>
<thead>
<tr>
<th>Total Hours</th>
<th>120</th>
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1 College & Departmental requirements that may be used to meet GE requirements.

2 If ENGL 3323 Technical Writing is substituted for ENGL 1213 Composition II above; hours in this block are reduced by 3.

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

4 MATH 1483 Mathematical Functions and Their Uses (A) or MATH 1513 College Algebra (A) may need to be taken as prerequisite to required Calculus course.

**Other Requirements**

- Exit interview with Head of Department of Agricultural Economics.
- 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.