AGRICULTURAL SYSTEMS TECHNOLOGY, BSAG

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>
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</thead>
<tbody>
<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></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>ENGL 1213</td>
<td>Composition II</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)

- MATH 2123 | Calculus for Technology Programs I (A)                      | 3     |
- or MATH 2103 | Business Calculus (A)                                      |       |
- STAT 2013 | Elementary Statistics (A)                                   | 3     |
- or STAT 2023 | Elementary Statistics for Business and Economics (A)        |       |

Humanities (H)

Courses designated (H) 6

Natural Sciences (N)

Must include one Laboratory Science (L) course

- PHYS 1114 | College Physics I (LN)                                      | 4     |

Course designated (N) 2

Social & Behavioral Sciences (S)

- SPCH 2713 | Introduction to Speech Communication (S)                    | 3     |
- or AGCM 3203 | Oral Communications in Agricultural Sciences & Natural Resources (S) |       |

Additional General Education

Courses designated (A), (H), (N), or (S) 7

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

UNIV 1111 | First Year Seminar (or other approved first year seminar course) | 1     |
SOIL 2124 | Fundamentals of Soil Science (N)                             | 4     |
Select one of the following: 3

- PLNT 1213 | Introduction to Plant and Soil Systems                       |       |
- ENVR 1113 | Elements of Environmental Science (N)                        |       |
- FDSC 1133 | Fundamentals of Food Science                                  |       |
- AGEC 1113 | Introduction to Agricultural Economics (S)                    | 3     |
- or ECON 2103 | Introduction to Microeconomics (S)                           |       |

Written and Oral Communications

Select one of the following: 3

- AGCM 3103 | Written Communications in Agricultural Sciences and Natural Resources |       |
- BCOM 3113 | Written Communication                                         |       |
- ENGL 3323 | Technical Writing                                             |       |
- CHEM 1314 | Chemistry I (LN)                                              | 4     |

Hours Subtotal: 18

Major Requirements

Core Courses

- AST 1413 | Introduction to Engineering in Agriculture                  | 3     |
- AST 2313 | Surveying                                                    | 3     |
- AST 3102 | Principles of Agricultural Electrification                  | 2     |
- AST 4101 | Ag Electrification                                           | 1     |
- AST 4213 | Safety and Health in Agriculture                             | 3     |
- AST 4203 | Agricultural Water Management                                | 3     |
- AST 4303 | Automation, Sensors and Controls for Agricultural Systems    | 3     |
- AST 4013 | Capstone for Agricultural Systems Technology                 | 3     |
- AGEC 3213 | Quantitative Methods in Agricultural Economics              | 3     |
- AGEC 3423 | Farm and Agribusiness Management                            | 3     |

Select from one of the following pairs of courses: 6

- ACCT 2103 | Financial Accounting                                         |       |
- ACCT 2203 | Managerial Accounting                                       |       |

Technical Agriculture Electives

Select 21 hours from the following: 21

- ANSI 1124 | Introduction to the Animal Sciences                         |       |
- ANSI 2112 | Live Animal Evaluation                                      |       |
- ANSI 2123 | Livestock Feeding                                            |       |
- ANSI 2253 | Meat Animal and Carcass Evaluation                          |       |
- ANSI 3333 | Meat Science                                                 |       |
- ANSI 3423 | Animal Genetics                                              |       |
- ENTO 2003 | Insects and Society (N)                                     |       |
- ENTO 2143 | Global Agricultural Biosecurity and Forensics               |       |
- ENTO 2223 | Insects in Global Public Health (N)                         |       |
- ENTO 2993 | Introduction to Entomology (LN)                             |       |
- ENTO 3003 | Livestock Entomology                                        |       |


### Other Requirements

- A minimum of 40 semester credit hours and 100 grade points 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.