HORTICULTURE:
HORTICULTURAL SCIENCE, 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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<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>3</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>3</td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
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American History & Government
Select one of the following:

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

Analytical & Quantitative Thought (A)
Select one of the following:

- MATH 1583 | Applied Geometry and Trigonometry (A) | 3 |
- MATH 1613 | Trigonometry (A) | 3 |
- 3 hours STAT 1 | designated (A) | 3 |

Humanities (H)
Courses designated (H) | 6 |

Natural Sciences (N)
Must include one Laboratory Science (L) course
- BIOL 1114 | Introductory Biology (LN) | 4 |
- CHEM 1314 | Chemistry I (LN) | 4 |
- or CHEM 1215 | Chemical Principles I (LN) | 4 |
- PBIO 1404 | Plant Biology (LN) | 4 |

Social & Behavioral Sciences (S)
Course designated (S) | 3 |

Additional General Education
Courses designated (A), (H), (N), or (S) | 6 |

Hours Subtotal | 42 |

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 |
| AGEC 1113 | Introduction to Agricultural Economics (S) | 3 |
| or ECON 2103 | Introduction to Microeconomics (S) | 3 |
| HORT 1013 | Principles of Horticultural Science (LN) | 3 |
| SOIL 2124 | Fundamentals of Soil Science (N) | 4 |

Written and Oral Communications

| ENGL 3323 | Technical Writing | 3 |

Select one of the following:

- AGCM 3203 | Oral Communications in Agricultural Sciences & Natural Resources (S) | 3 |
- SPCH 2713 | Introduction to Speech Communication (S) | 3 |
- SPCH 3733 | Elements of Persuasion (S) | 3 |

Hours Subtotal | 17 |

Major Requirements
Core Courses
Select one of the following:

- HORT 4953 | Plant Growth and Development | 3 |
- HORT 4963 | Horticulture Physiology | 3 |
- PBIO 4463 | Plant Physiology | 3 |
- CHEM 1225 | Chemical Principles II (LN) | 5 |
| or CHEM 1515 | Chemistry II (LN) | 5 |
- ENTO 2993 | Introduction to Entomology (LN) | 3 |
- HORT 2010 | Internship in Horticulture or Landscape Management (3 hours) | 3 |
- HORT 3084 | Plant Propagation | 4 |
- HORT 3113 | Greenhouse Management | 3 |
- PLP 3343 | Principles of Plant Pathology | 3 |
- ANSI 3423 | Animal Genetics | 3 |
| or BIOL 3023 | General Genetics | 3 |
- CHEM 3013 | Survey of Organic Chemistry | 3 |
| or BIOL 2344 | Chemistry and Applications of Biomolecules | 3 |

Related Courses
Select 12 upper-division hours from:

- BIOC, ENTO, HORT, NREM, PBIO, PLNT, PLP, or SOIL | 12 |
Select 18 hours from HORT (12 hours must be upper division) excluding HORT 2010: 4

Hours Subtotal | 60 |

Electives
Select 1 hour to complete required total for degree | 1 |

Hours Subtotal | 1 |

Total Hours | 120 |

1 College & Departmental requirements that may be used to meet GE requirements.
2 If used as (S) course above, hours in this block are reduced by three.
3 If ENGL 3323 Technical Writing is substituted for ENGL 1213 Composition II above, then hours in this block are reduced by three.
4 12 hours must be upper-division.
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.
• A 2.25 GPA or higher is required in courses listed in the Major Requirements column above.

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.