HORTICULTURE, B.S.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (http://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytext) section of the Guide.

General Education

• Breadth—Humanities/Literature/Arts: 6 credits
• Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
• Breadth—Social Studies: 3 credits
• Communication Part A & Part B *
• Ethnic Studies *
• Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS B.S. DEGREE PROGRAMS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation. Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree. First Year Seminar (<a href="http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext">http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext</a>)</td>
<td>1</td>
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</table>

International Studies (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext)

Physical Science Fundamentals

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 103</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>or CHEM 108</td>
<td>Chemistry in Our World</td>
<td></td>
</tr>
<tr>
<td>or CHEM 109</td>
<td>Advanced General Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

Biological Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Science (Biological, Physical, or Natural)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Science Breadth (Biological, Physical, Natural, or Social)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CALS Capstone Learning Experience: included in the requirements for each CALS major (see &quot;Major Requirements&quot;) (<a href="http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext">http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext</a>)</td>
<td></td>
<td></td>
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</tbody>
</table>

MAJOR REQUIREMENTS

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement. A minimum of 15 credits must be completed in the major that are not used elsewhere.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>
| Mathematics and Statistics

Select one of the following (or may be satisfied by placement exam):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 112</td>
<td>Algebra &amp; Trigonometry</td>
<td>5-6</td>
</tr>
<tr>
<td>&amp; MATH 113</td>
<td>and Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MATH 114</td>
<td>Algebra and Trigonometry</td>
<td>3-5</td>
</tr>
<tr>
<td>MATH 171</td>
<td>Calculus with Algebra and Trigonometry I</td>
<td>3-5</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>MATH 211</td>
<td>Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 217</td>
<td>Calculus with Algebra and Trigonometry II</td>
<td></td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus and Analytic Geometry 1</td>
<td></td>
</tr>
<tr>
<td>MATH 222</td>
<td>Calculus and Analytic Geometry 2</td>
<td></td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introduction to Statistical Methods</td>
<td></td>
</tr>
<tr>
<td>STAT 371</td>
<td>Introductory Applied Statistics for the Life Sciences</td>
<td></td>
</tr>
<tr>
<td>COMP SCI 300</td>
<td>Programming II</td>
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</table>

Chemistry

Select one of the following: 5-9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 103</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; CHEM 104</td>
<td>and General Chemistry II</td>
<td></td>
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<tr>
<td>CHEM 109</td>
<td>Advanced General Chemistry</td>
<td>3</td>
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</table>

Biology

Select one of the following options: 10-12

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOTANY/</td>
<td>General Botany</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY 130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZOOLOGY/</td>
<td>Animal Biology</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZOOLOGY/</td>
<td>Animal Biology Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY 102</td>
<td></td>
<td></td>
</tr>
</tbody>
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**Option 2:**

<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY/ BOTANY/ZOOLOGY 151</td>
<td>Introductory Biology</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY/ BOTANY/ZOOLOGY 152</td>
<td>Introductory Biology</td>
<td></td>
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</table>

**Option 3:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOCORE 381</td>
<td>Evolution, Ecology, and Genetics</td>
<td></td>
</tr>
<tr>
<td>BIOCORE 383</td>
<td>Cellular Biology</td>
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</table>

And select two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOCORE 382</td>
<td>Evolution, Ecology, and Genetics</td>
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</tr>
<tr>
<td>BIOCORE 384</td>
<td>Cellular Biology Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIOCORE 486</td>
<td>Principles of Physiology Laboratory</td>
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</table>

**Agricultural Breadth**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTOM/ZOOLOGY 302</td>
<td>Introduction to Entomology</td>
<td>3-4</td>
</tr>
<tr>
<td>or ENTOM 351</td>
<td>Principles of Economic Entomology</td>
<td></td>
</tr>
<tr>
<td>GENETICS 466</td>
<td>Principles of Genetics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOTANY 300</td>
<td>Plant Anatomy</td>
<td></td>
</tr>
<tr>
<td>BOTANY 305</td>
<td>Plant Morphology and Evolution</td>
<td></td>
</tr>
<tr>
<td>BOTANY 500</td>
<td>Plant Physiology</td>
<td></td>
</tr>
<tr>
<td>PL PATH 300</td>
<td>Introduction to Plant Pathology</td>
<td>3-4</td>
</tr>
<tr>
<td>or PL PATH/F&amp;W ECOL/HORT/LAND ARC 309</td>
<td>Diseases of Trees and Shrubs</td>
<td></td>
</tr>
<tr>
<td>SOIL SCI 301</td>
<td>General Soil Science</td>
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</table>

**Horticultural Core**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 120</td>
<td>Survey of Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>HORT 121</td>
<td>Horticulture Colloquium</td>
<td>1</td>
</tr>
<tr>
<td>HORT 227</td>
<td>Propagation of Horticultural Plants</td>
<td>3</td>
</tr>
<tr>
<td>HORT 320</td>
<td>Environment of Horticultural Plants</td>
<td>3</td>
</tr>
<tr>
<td>HORT/AGRONY/SOIL SCI 326</td>
<td>Plant Nutrition Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 334 &amp; HORT 335</td>
<td>Greenhouse Cultivation and Greenhouse Cultivation Lab</td>
<td>3</td>
</tr>
<tr>
<td>HORT 375</td>
<td>Special Topics (Organic Vegetable Production)</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 234</td>
<td>Ornamental Plants</td>
<td></td>
</tr>
<tr>
<td>HORT/PL PATH 261 &amp; HORT/PL PATH 262</td>
<td>Sustainable Turfgrass Use and Management and Turfgrass Management Laboratory</td>
<td></td>
</tr>
<tr>
<td>HORT 375</td>
<td>Special Topics (Arboriculture and Landscape Maintenance)</td>
<td></td>
</tr>
<tr>
<td>or HORT/LAND ARC 263</td>
<td>Landscape Plants I</td>
<td></td>
</tr>
<tr>
<td>HORT 345</td>
<td>Fruit Crop Production (alternate years)</td>
<td>2</td>
</tr>
<tr>
<td>HORT 370</td>
<td>World Vegetable Crops</td>
<td></td>
</tr>
</tbody>
</table>

**Electives**

Select 5 elective credits (see list below)

**Capstone**

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A course as approved by advisor and chair of the curriculum committee, usually taken as the following:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT/AGRONY 376</td>
<td>Tropical Horticultural Systems and Tropical Horticultural Systems</td>
<td></td>
</tr>
<tr>
<td>&amp; HORT 378</td>
<td>International Field Study</td>
<td></td>
</tr>
<tr>
<td>HORT 399</td>
<td>Coordinative Internship/Cooperative Education</td>
<td></td>
</tr>
<tr>
<td>HORT 699</td>
<td>Special Problems</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits** 70-84

1. If MATH 171 is taken, MATH 217 must also be taken.
2. Alternate years.
3. Example activities include broad-based internships or broad-based international study.

**ELECTIVE COURSES**

Students may not double count courses within the major requirements (Agricultural Breadth, Horticultural Core, Electives, Capstone)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A A E 215</td>
<td>Introduction to Agricultural and Applied Economics</td>
<td>4</td>
</tr>
<tr>
<td>A A E/ENVIR ST 244</td>
<td>The Environment and the Global Economy</td>
<td>4</td>
</tr>
<tr>
<td>A A E 246</td>
<td>Climate Change Economics and Policy</td>
<td>3</td>
</tr>
<tr>
<td>A A E 319</td>
<td>The International Agricultural Economy</td>
<td>3</td>
</tr>
<tr>
<td>A A E 320</td>
<td>Farming Systems Management</td>
<td>3</td>
</tr>
<tr>
<td>A A E 323</td>
<td>Cooperatives and Alternative Forms of Enterprise Ownership</td>
<td>3</td>
</tr>
<tr>
<td>A A E/ECON/ENVIR ST 343</td>
<td>Environmental Economics</td>
<td>3-4</td>
</tr>
<tr>
<td>GEN BUS 310</td>
<td>Fundamentals of Accounting and Finance for Non-Business Majors</td>
<td>3</td>
</tr>
<tr>
<td>GEN BUS 311</td>
<td>Fundamentals of Management and Marketing for Non-Business Majors</td>
<td>3</td>
</tr>
<tr>
<td>BOTANY/F&amp;W ECOL/ZOOLOGY 460</td>
<td>General Ecology</td>
<td>4</td>
</tr>
<tr>
<td>F&amp;W ECOL/C&amp;E SOC/SOC 248</td>
<td>Environment, Natural Resources, and Society</td>
<td>3</td>
</tr>
<tr>
<td>F&amp;W ECOL/ENVIR ST/ZOOLOGY 360</td>
<td>Extinction of Species</td>
<td>3</td>
</tr>
<tr>
<td>F&amp;W ECOL/BOTANY 455</td>
<td>The Vegetation of Wisconsin</td>
<td>4</td>
</tr>
<tr>
<td>F&amp;W ECOL 550</td>
<td>Forest Ecology</td>
<td>3</td>
</tr>
<tr>
<td>F&amp;W ECOL/LAND ARC/ZOOLOGY 565</td>
<td>Principles of Landscape Ecology</td>
<td>2</td>
</tr>
<tr>
<td>Course Code</td>
<td>Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>F&amp;W ECOL/</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>BOTANY/ENVIR ST/</td>
<td>120 Introduction to the Earth System</td>
<td>3</td>
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<tr>
<td>ZOOLOGY</td>
<td></td>
<td>651</td>
</tr>
<tr>
<td>GEOG/ENVIR ST</td>
<td>127 Physical Systems of the Environment</td>
<td>5</td>
</tr>
<tr>
<td>GEOG/ENVIR ST</td>
<td>139 Global Environmental Issues</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/BOTANY</td>
<td>338 Environmental Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/ENVIR ST</td>
<td>339 Environmental Conservation</td>
<td>4</td>
</tr>
<tr>
<td>GEOSCI/</td>
<td>Environmental Geology</td>
<td>3</td>
</tr>
<tr>
<td>ENVIR ST</td>
<td>106</td>
<td>651</td>
</tr>
<tr>
<td>HISTORY/ENVIR ST/</td>
<td>American Environmental History</td>
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<tr>
<td>GEOG</td>
<td>460</td>
<td>651</td>
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<tr>
<td>LAND ARC/</td>
<td>Wetlands Ecology</td>
<td>3</td>
</tr>
<tr>
<td>ENVIR ST</td>
<td>361</td>
<td>651</td>
</tr>
<tr>
<td>ZOOLOGY/ENVIR ST/</td>
<td>315 Limnology-Conservation of Aquatic Resources</td>
<td>2</td>
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<tr>
<td>ZOOLOGY</td>
<td>316 Laboratory for Limnology-Conservation of Aquatic Resources</td>
<td>2-3</td>
</tr>
<tr>
<td>Food, Health and Human Well-being:</td>
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<td></td>
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<tr>
<td>A A E/C&amp;E SOC/SOC</td>
<td>340 Issues in Food Systems</td>
<td>3-4</td>
</tr>
<tr>
<td>AGRONOMY/ENTOM/NUTR SCI</td>
<td>203 Introduction to Global Health</td>
<td>3</td>
</tr>
<tr>
<td>AGRONOMY</td>
<td>300 Cropping Systems</td>
<td>3</td>
</tr>
<tr>
<td>AGRONOMY/A A E/INTER-AG/NUTR SCI</td>
<td>350 World Hunger and Malnutrition</td>
<td>3</td>
</tr>
<tr>
<td>AGRONOMY</td>
<td>377 Global Food Production and Health</td>
<td>3</td>
</tr>
<tr>
<td>AGRONOMY/</td>
<td>401 Vascular Flora of Wisconsin</td>
<td>4</td>
</tr>
<tr>
<td>C&amp;E SOC/SOC</td>
<td>222 Food, Culture, and Society</td>
<td>3</td>
</tr>
<tr>
<td>C&amp;E SOC/SOC</td>
<td>650 Sociology of Agriculture</td>
<td>3</td>
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<tr>
<td>FOOD SCI/</td>
<td>321 Food Laws and Regulations</td>
<td>1</td>
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<tr>
<td>AN SCI</td>
<td></td>
<td>321</td>
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<tr>
<td>GEOG/ENVIR ST</td>
<td>309 Comparative Study of Agriculture Systems</td>
<td>3</td>
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<tr>
<td>HORT</td>
<td>345 Fruit Crop Production</td>
<td>3</td>
</tr>
<tr>
<td>HORT</td>
<td>350 Plants and Human Wellbeing</td>
<td>2</td>
</tr>
<tr>
<td>HORT/A A E/</td>
<td>367 Introduction to Organic Agriculture: Production, Markets, and</td>
<td>3</td>
</tr>
<tr>
<td>AGRONOMY/PL PATH</td>
<td>367 Global Food Security (Food Systems, Sustainability, and Climate Change)</td>
<td>3</td>
</tr>
<tr>
<td>HORT</td>
<td>370 World Vegetable Crops</td>
<td>3</td>
</tr>
<tr>
<td>HORT</td>
<td>375 Special Topics (Organic Vegetable Production)</td>
<td>3</td>
</tr>
<tr>
<td>HORT</td>
<td>380 Indigenous Foodways: Food and Seed Sovereignty</td>
<td>2</td>
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<tr>
<td>NUTR SCI</td>
<td>132 Nutrition Today</td>
<td>3</td>
</tr>
<tr>
<td>PL PATH</td>
<td>311 Global Food Security (Food Systems, Sustainability, and Climate</td>
<td>3</td>
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<td>PL PATH</td>
<td>375 Special Topics</td>
<td>1-4</td>
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<tr>
<td>PL PATH</td>
<td>375 Special Topics</td>
<td>1-4</td>
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<tr>
<td>Landscape Horticulture</td>
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<tr>
<td>BSE 201</td>
<td>Land Surveying Fundamentals</td>
<td>1</td>
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<tr>
<td>BSE 243</td>
<td>Operating and Management Principles of Off-Road Vehicles</td>
<td>3</td>
</tr>
<tr>
<td>F&amp;W ECOL</td>
<td>Special Topics (Tree Risk Assessment and Decay Detection)</td>
<td>1-4</td>
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<tr>
<td>HORT</td>
<td>234 Ornamental Plants</td>
<td>3</td>
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<tr>
<td>HORT/PL PATH</td>
<td>261 Sustainable Turfgrass Use and Management</td>
<td>2</td>
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<tr>
<td>HORT/PL PATH</td>
<td>262 Turfgrass Management Laboratory</td>
<td>1</td>
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<tr>
<td>HORT/</td>
<td>LAND ARC 263</td>
<td>3</td>
</tr>
<tr>
<td>HORT/</td>
<td>SOIL SCI 332</td>
<td>3</td>
</tr>
<tr>
<td>HORT/</td>
<td>334 Greenhouse Cultivation</td>
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<tr>
<td>HORT/</td>
<td>335 Greenhouse Cultivation Lab</td>
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<td>HORT</td>
<td>375 Special Topics (Arboriculture and Landscape Maintenance)</td>
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<tr>
<td>LAND ARC</td>
<td>250 Survey of Landscape Architecture Design</td>
<td>3</td>
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<tr>
<td>LAND ARC</td>
<td>260 History of Landscape Architecture</td>
<td>3</td>
</tr>
<tr>
<td>LAND ARC</td>
<td>211 Landscape Inventory and Evaluation Methods</td>
<td>4</td>
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<tr>
<td>Pest Management</td>
<td></td>
<td></td>
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<td>565 The Ethics of Modern Biotechnology</td>
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<td>339 Plant Biotechnology: Principles and Techniques I</td>
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<td>340 Plant Cell Culture and Genetic Engineering</td>
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Horticulture, B.S.

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<tr>
<td>HORT/AGRONOMY 360</td>
<td>Genetically Modified Crops: Science, Regulation &amp; Controversy</td>
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<td>HORT 375</td>
<td>Special Topics (Epigenetics)</td>
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<td>Molecular Biology Techniques</td>
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<td>HORT/GENETICS 550</td>
<td>Molecular Approaches for Potential Crop Improvement</td>
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<td>The Making of Modern Science</td>
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**Public Policy and Environmental Ethics**

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<td>ENVIR ST/GEOG 439</td>
<td>US Environmental Policy and Regulation</td>
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<td>ENVIR ST/ SOIL SCI 575</td>
<td>Assessment of Environmental Impact</td>
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<td>POLI SCI 272</td>
<td>Introduction to Public Policy</td>
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<td>POLI SCI/ECON/ ENVIR ST/ URB R PL 449</td>
<td>Government and Natural Resources</td>
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**Soil Science**

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<td>Field Study of Soil</td>
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<td>SOIL SCI 321</td>
<td>Soils and Environmental Chemistry</td>
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<td>SOIL SCI 322</td>
<td>Physical Principles of Soil and Water Management</td>
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<td>SOIL SCI/ PL PATH 323</td>
<td>Soil Biology</td>
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<td>SOIL SCI/ ENVIR ST 324</td>
<td>Soils and Environmental Quality</td>
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<tr>
<td>SOIL SCI/ ENVIR ST 575</td>
<td>Assessment of Environmental Impact</td>
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**Weather and Climate Change**

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<td>Weather and Climate</td>
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<td>ATM OCN/ENVIR ST/ GEOSCI 102</td>
<td>Climate and Climate Change</td>
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<td>ATM OCN/ ENVIR ST 171</td>
<td>Global Change: Atmospheric Issues and Problems</td>
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<td>ATM OCN/ENVIR ST/ GEOG 332</td>
<td>Global Warming: Science and Impacts</td>
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<td>ATM OCN/ ENVIR ST 520</td>
<td>Bioclimatology</td>
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**HONORS IN THE MAJOR**

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

**Admission Criteria for New First-Year Students:**

- Complete program application including essay questions

**Admission Criteria for Transfer and Continuing UW-Madison Students:**

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

**HOW TO APPLY**

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate-students/outside-the-classroom/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student’s first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

**REQUIREMENTS**

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

**REQUIREMENTS**

To earn Honors in the Major, students are required to take at least 20 honors credits. In addition, students must take HORT 289 Honors Independent Study, HORT 681 Senior Honors Thesis and HORT 682 Senior Honors Thesis when completing their thesis project; please see the Honors in Major Checklist for Horticulture (http://www.cals.wisc.edu/academics/undergraduate-programs/get-involved/honors-program/honors-in-the-major/) for more information. The Department of Horticulture also works collaboratively to strongly support students through the Honors in Research program.

**UNIVERSITY DEGREE REQUIREMENTS**

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<th>Requirement</th>
<th>Credit Requirement</th>
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<td>Total Degree</td>
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<tr>
<td>Residency</td>
<td>30 degree credits</td>
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<td>Quality of Work</td>
<td>Minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.</td>
</tr>
<tr>
<td>Residence</td>
<td>Minimum of 30 credits in residence at UW–Madison. “In residence” means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.</td>
</tr>
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</table>

Students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.