### University Common Requirements (UCORE):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
<th>Grade</th>
<th>Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>HISTORY 105: Roots of Contemporary Issues</td>
<td>3</td>
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<td>F, S, SS</td>
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<tr>
<td>Foundational Competencies (9 credits minimum)</td>
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<tr>
<td>Written Communication (3) [WRGT]</td>
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<tr>
<td>ENGLISH 101: Introductory Writing</td>
<td>3</td>
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<td>F, S, SS</td>
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<tr>
<td>Communication (3) [COMMU] [WRGT]</td>
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<tr>
<td>H_D 205: Dev. Effective Com. or COM 102: Com. in an info Soc. 3 - 4</td>
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<td>F, S, SS</td>
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<tr>
<td>Quantitative Reasoning (3) [QUAN]</td>
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<tr>
<td>STAT 212: Intro to Stat Methods</td>
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### Ways of Knowing (16 credits minimum)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
<th>Grade</th>
<th>Offered</th>
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<tbody>
<tr>
<td>Inquiry in the Social Sciences (3) [SSCI]</td>
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<tr>
<td>ECONS 101: Fundamental Microeconomics</td>
<td>3</td>
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<td>F, S, SS</td>
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<tr>
<td>Inquiry in the Humanities (3) [HUM]</td>
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<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
<td>F, S, SS</td>
</tr>
<tr>
<td>Inquiry in the Creative and Professional Arts (3) [ARTS]</td>
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<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
<td>F, S, SS</td>
</tr>
<tr>
<td>Inquiry in the Natural Sciences (7 minimum) [BSCI] [PSCI] [SCI]</td>
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<tr>
<td>Major requirements (two of the three): BIOLOGY 106: Intro to Organismal or BIOLOGY 107: Intro to Cell Bio &amp; Genetics or BIOLOGY 120: Intro to Botany 4</td>
<td></td>
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<td>BIO 106: F, S, SS</td>
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<tr>
<td>CHEM 101: Intro to Chem or CHEM 105 Principles of Chem I 4</td>
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<td></td>
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<td>BIO 107: F, S, SS</td>
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<td></td>
<td></td>
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<td>BIO 120: F</td>
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### Integrative and Applied Learning (6 credits minimum)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
<th>Grade</th>
<th>Offered</th>
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<tbody>
<tr>
<td>Diversity (3) [DVR]</td>
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<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
<td>F, S, SS</td>
</tr>
<tr>
<td>Integrative Capstone (3) [CAPS]</td>
<td></td>
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<td></td>
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<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
<td>F, S, SS</td>
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</tbody>
</table>

### Integrated Plant Sciences Core Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
<th>Grade</th>
<th>Offered</th>
</tr>
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<tbody>
<tr>
<td>BIOLOGY 106, BIOLOGY 107, or BIOLOGY 120</td>
<td>4</td>
<td></td>
<td></td>
<td>See above</td>
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<tr>
<td>CHEM 102: Chem Related to Life Sciences or CHEM 106 Principles of Chem II 4</td>
<td></td>
<td></td>
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<td>CHEM 102: F, S, SS</td>
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<tr>
<td>CROP_SCI/HORT 102: Cultivated Plants 3</td>
<td>F</td>
<td></td>
<td></td>
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<tr>
<td>CROP_SCI/HORT 202: Crop Growth and Development 4</td>
<td>S</td>
<td></td>
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<tr>
<td>SOIL_SCI 201: Soil: A Living System 3</td>
<td>F, S</td>
<td></td>
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<tr>
<td>ENTOM 343: [M] General Entomology 3</td>
<td>F</td>
<td></td>
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<tr>
<td>ENTOM 351: Ecological &amp; Integrated Pest Management 3</td>
<td>S</td>
<td></td>
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<tr>
<td>CROP_SCI 411 [M]: Crop Environ. Interactions or HORT 416: Advanced Hort Crop Physiology 3</td>
<td>CROP_SCI 411: F HORT 416: S</td>
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<tr>
<td>PL_P 429: General Plant Pathology 3</td>
<td>F</td>
<td></td>
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<tr>
<td>CROP_SCI 495, 498, or 499: Professional Work Experience 1</td>
<td>F, S, SS</td>
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### Field Crop Management Major Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
<th>Grade</th>
<th>Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 106: College Algebra and MATH 108: Trigonometry or MATH 140: Calculus for Life Scientists 4 - 5</td>
<td>MATH 140: F S OTHER: F, S, SS</td>
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<tr>
<td>CROP_SCI 302: Forage Crops 3</td>
<td>S odd</td>
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<tr>
<td>CROP_SCI 305: Ecology and Management of Weeds 3</td>
<td>F</td>
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<tr>
<td>CROP_SCI 403: Advanced Cropping Systems 3</td>
<td>F</td>
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<tr>
<td>SOIL_SCI 202: Introductory Soils Science Laboratory 1</td>
<td>F, S</td>
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<tr>
<td>SOIL_SCI 441: Soil Fertility 3</td>
<td>S</td>
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<tr>
<td>ECONS 350: Intro to Farm and Ranch Mgmt or ECONS 352: Business Management Economics 3</td>
<td>ECONS 350: F ECONS 352: S</td>
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<tr>
<td>CROP_SCI 412: Seminar 1</td>
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### Major Electives

Major Electives can be used towards a minor. Contact an advisor or the department for more information on courses for your minor of interest.

### Open Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
<th>Grade</th>
<th>Offered</th>
</tr>
</thead>
</table>

### Notes:

To certify in the major you must have at least 24 credits and a 2.0 cumulative GPA.

Major Electives: AFS 302 [M]; CROP_SCI 360, 445 [M], 480, 495, 498, 499; ENTOM 361, 460; HORT 357; SOIL_SCI 442; and/or consult with your advisor. No more than 3 credits of 495, 498 or 499 may be used towards major elective credits.

Open Electives are chosen by the student and are needed to reach the minimum 120 credits to graduate.

Electives can be used towards a minor. Contact an advisor or the department for more information on courses for your minor of interest.
<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Hours</th>
<th>Spring Semester</th>
<th>Hours</th>
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<tr>
<td>First</td>
<td>CHEM 101 or 105 [PSCI]</td>
<td>4</td>
<td>CHEM 102 or 106</td>
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<td>CROP_SCI/HORT 102</td>
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<td>CROP_SCI/HORT 202</td>
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<td>ENGLISH 101 [WRTG]</td>
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<td>ECONS 101 [SSCI]</td>
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<td></td>
<td>H_D 205 or COM 102 [COMM]</td>
<td>3 or 4</td>
<td>HISTORY 105 [ROOT]</td>
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<tr>
<td>Second</td>
<td>BIOLOGY 106, 107, or 120 [BSCI]</td>
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<td>MATH 140(^4)</td>
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<td>SOIL_SCI 201</td>
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<td>BIOLOGY 106 or 107</td>
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<td>SOIL_SCI 202</td>
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<td>Diversity [DIVR]</td>
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<td>STAT 212 [QUAN]</td>
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<td>Complete Writing Portfolio</td>
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<td>Third</td>
<td>ENTOM 343 [M]</td>
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<td>ENTOM 351</td>
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<td>CROP_SCI 305</td>
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<td>CROP_SCI 302</td>
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<td>Major Elective(^1)</td>
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<td>CROP_SCI 495, 498 or 499</td>
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<td>ECONS 350(^2)</td>
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<td>Electives</td>
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<td>Electives</td>
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<td>Humanities [HUM]</td>
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<td>Fourth</td>
<td>CROP_SCI 411(^3) [M]</td>
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<td>CROP_SCI 412</td>
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<td>CROP_SCI 403</td>
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<td>SOIL_SCI 441</td>
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<td>PL_P 429</td>
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<td>Major Elective(^1)</td>
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<td>Major Elective(^1)</td>
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<td>Integrative Capstone [CAPS]</td>
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<td></td>
<td>Electives</td>
<td>3</td>
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</tbody>
</table>

**Footnotes**

1 Major Electives (9 credits): AFS 302 [M]; CROP_SCI 360, 445 [M], 480, 495, 498, 499; ENTOM 361; 460; HORT 357; SOIL_SCI 442; and/or consult with your advisor. No more than 3 credits of 495, 498 or 499 may be used towards major elective credits.

2 ECONS 352 can be taken in the spring as an alternative to ECONS 350.

3 HORT 416 can be taken in the spring as an alternative to CROP_SCI 411. However, two [M] courses are required so one elective should have [M] designation.

4 MATH 106 and MATH 108 can be taken as an alternative to MATH 140.