# Crop Science Option

## Freshman Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOB 170IN</td>
<td>Principles of Biological Diversity</td>
<td>4</td>
</tr>
<tr>
<td>BIOB 160</td>
<td>Principles of Living Systems</td>
<td>4</td>
</tr>
<tr>
<td>CHMY 121IN</td>
<td>Introduction to General Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>&amp; CHMY 122IN</td>
<td>Introduction to General Chemistry Lab</td>
<td></td>
</tr>
<tr>
<td>CHMY 123</td>
<td>Introduction to Organic Chemistry and Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>&amp; CHMY 124</td>
<td>Introduction to Organic and Biochemistry Lab</td>
<td></td>
</tr>
<tr>
<td>WRIT 101W</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>M 121Q</td>
<td>College Algebra</td>
<td>3</td>
</tr>
</tbody>
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University Core and Electives: 8 Credits  
Year Total: 28 Credits

## Sophomore Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECNS 101IS</td>
<td>Economic Way of Thinking</td>
<td>3</td>
</tr>
<tr>
<td>BIOO 262IN</td>
<td>Introduction to Entomology</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 245IN</td>
<td>Soils</td>
<td>3</td>
</tr>
</tbody>
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Select one of the following: 3 Credits  
- BIOB 110CS - Introduction to Plant Biology  
- BIOO 220 - General Botany

Select one of the following: 3 Credits  
- BMGT 205 - Prof Business Communication  
- WRIT 201 - College Writing II  
- WRIT 221 - Intermediate Tech Writing

Select one of the following: 3 Credits  
- BIO 318 - Biometry  
- STAT 216Q - Introduction to Statistics

University Core and Electives: 6 Credits  
Year Total: 24 Credits

## Junior Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGSC 341</td>
<td>Field Crop Production</td>
<td>3</td>
</tr>
<tr>
<td>AGSC 356</td>
<td>Plant Nutrition and Soil Fertility Management</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 443</td>
<td>Weed Ecology and Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3 Credits  
- BIOM 421 - Concepts of Plant Pathology  
- AGSC 450 - Plant Disease Control

Select one of the following: 3 Credits  
- BIO 375 - General Genetics  
- BIOB 377 - Practical Genetics

Select three of the following: 9 Credits  
- ACTG 201 - Principles of Financial Acct  
- ACTG 220 - Survey of Accounting  
- AGBE 210IS - Economics of Ag Business  
- AGBE 321 - Economics of Ag Marketing  
- AGBE 337 - Agricultural Law  
- AGBE 341 - Farm and Ranch Management  
- AGBE 345 - Ag Finance and Credit Analysis  
- AGBE 353 - Co-operative Business Principles and Practice  
- BGEN 242D - Intro to Int'l Business  
- BFIN 322 - Business Finance  
- BMGT 335 - Management and Organization  
- BMKT 241 - Sales  
- BMKT 325 - Principles of Marketing

University Core and Electives: 9 Credits  
Year Total: 24 Credits

## Senior Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGSC 428</td>
<td>Cropping Systems and Sustainable Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>BIOO 433</td>
<td>Plant Physiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3 Credits  
- AGSC 441 - Plant Breeding & Genetics  
- BIOB 430 - Plant Biotechnology

Select three of the following: 6 Credits  
- AGED 312R - Communicating Agriculture  
- AGED 315 - Electrical and Power Systems Operation  
- AGED 333 - Construction Technology  
- AGSC 342 - Forages  
- AGSC 401 - Integrated Pest Management  
- AGSC 454 - Agrostology

Select one of the following: 3 Credits  
- ANSC 202 - Livestock Feeding  
- ANSC 215 - Calving Management  
- ANSC 222 - Livestock in Sustain Systems  
- ANSC 421 - Assisted Reproduction Technologies w/ Lab  
- BIOE 370 - General Ecology  
- ENSC 454 - Landscape Pedology  
- GPHY 284 - Intro to GIS Science & Cartog  
- ERTH 303 - Weather and Climate  
- HORT 310 - Topics in Horticulture  
- HORT 337 - Vegetable Production

University Core and Electives: 9 Credits  
Year Total: 24 Credits

**Total Program Credits:** 120

A minimum of 120 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above.