# CROP MANAGEMENT (B.S. PL.SC.)

Required course work includes the university requirements (see regulation J-3) and:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 115</td>
<td>Cells &amp; the Evolution of Life</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 115L</td>
<td>Cells and the Evolution of Life Laboratory</td>
<td>1</td>
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<tr>
<td>PLSC 102</td>
<td>The Science of Plants in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 400</td>
<td>Seminar</td>
<td>1</td>
</tr>
<tr>
<td>SOIL 205</td>
<td>The Soil Ecosystem</td>
<td>3</td>
</tr>
<tr>
<td>AGED 406</td>
<td>Exploring International Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>or POLS 441</td>
<td>Genes and Justice: Comparative Biotechnology Policy Formation</td>
<td></td>
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</tbody>
</table>

Select one of the following: 4-5

- BIOL 154 & BIOL 155: Introductory Microbiology and Introductory Microbiology Laboratory
- BIOL 250 & BIOL 255: General Microbiology and General Microbiology Lab

Select one of the following: 4

- CHEM 101 & 101L: Introduction to Chemistry and Introduction to Chemistry Laboratory
- CHEM 111 & 111L: General Chemistry I and General Chemistry I Laboratory

Select one of the following: 3

- ENGL 207: Persuasive Writing
- ENGL 313: Business Writing
- ENGL 316: Environmental Writing
- ENGL 317: Technical Writing

Select one of the following: 3-4

- MATH 143: College Algebra
- MATH 160: Survey of Calculus
- MATH 170: Calculus I

Select one of the following: 3

- PLSC 398: Internship
- PLSC 402: Undergraduate Research in Plant Science
- PLSC 499: Directed Study

## Crop Management Courses

- AGEC 278: Farm and Agribusiness Management
- AGEC 289: Agricultural Markets and Prices
- ASM 305: GPS and Precision Agriculture
- ASM 315: Irrigation Systems and Water Management
- ASM 412: Agricultural Safety and Health
- PLSC 338: Weed Control
- PLSC 407: Field Crop Production
- PLSC 408: Cereal Science
- PLSC 438: Pesticides in the Environment
- PLSC 451: Vegetable Crops
- PLSC 480: Field Trip
- PLSC 490: Potato Science

- SOIL 206: The Soil Ecosystem Lab

Select 15 credits of Crop Management electives from the following: 15

- AGEC 302: Managerial Economics: Consumption & Markets
- AGEC 356: Agricultural and Rural Policy
- AGEC 447: International Development Economics
- ASM 107: Beginning Welding
- ASM 112: Introduction to Agricultural Systems Management
- ASM 409: Agricultural Tractors, Power Units and Machinery Management
- ECON 202: Principles of Microeconomics
- GENE 314: General Genetics
- PLP 415: Plant Pathology
- PLSC 401: Plant Physiology
- PLSC 446: Plant Breeding
- SOIL 425: Microbial Ecology
- SOIL 446: Soil Fertility
- STAT 251: Statistical Methods

Select 6 credits of Professional Support electives from the following: 6

- AGEC 411: The World of International Agribusiness
- AGEC 419: Development and Analysis of Enterprise Budgets
- AVS 109: The Science of Animals that Serve Humanity
- CHEM 275: Carbon Compounds
- CHEM 276: Carbon Compounds Lab
- PLSC 201: Principles of Horticulture
- PLSC 205: General Botany
- PLSC 207: Introduction to Horticulture
- PLSC 300: Plant Propagation
- PLSC 398: Internship
- PLSC 410: Invasive Plant Biology
- PLSC 433: Plant Tissue Culture Techniques
- PLSC 440: Advanced Laboratory Techniques
- PLSC 488: Genetic Engineering
- STAT 251: Statistical Methods

Total Hours: 88-90

Courses to total 120 credits for this degree