CROP SCIENCES: PLANT PROTECTION, BS

for the degree of Bachelor of Science Major in Crop Sciences, Plant Protection Concentration

department website: https://cropsciences.illinois.edu/
department faculty: https://cropsciences.illinois.edu/people/
overview of college admissions & requirements: Agricultural, Consumer & Environmental Sciences (http://catalog.illinois.edu/schools/aces/academic-units/#text)
college website: https://aces.illinois.edu/

The plant protection concentration provides a broad selection of courses in crops, soils, plant diseases, insects and weeds, and the physical sciences. Students learn how to protect plants from the effects of diseases, insects, and weeds. This concentration is designed to prepare students for careers in crop consulting, integrated pest management, and agribusiness management and merchandising, or for entrance into a graduate program.

Prescribed Courses including Campus General Education

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHET 105</td>
<td>Writing and Research</td>
<td>4</td>
</tr>
<tr>
<td>or equivalent - see College Composition I requirement (3 or 4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMN 101</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Composition</td>
<td>Select from campus approved list.</td>
<td>3-4</td>
</tr>
<tr>
<td>Cultural Studies</td>
<td>Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.</td>
<td>9</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Coursework at or above the third level is required for graduation.</td>
<td></td>
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</tbody>
</table>

Quantitative Reasoning I

Select one of the following: 4-5

- MATH 220 Calculus
- MATH 221 Calculus I
- MATH 234 Calculus for Business I

Quantitative Reasoning II

CPSC 241 Intro to Applied Statistics 3

Natural Sciences and Technology

See Specific Concentration Requirements

Humanities and the Arts

Select from campus approved list 6

Social and Behavioral Sciences

ACE 100 Introduction to Applied Microeconomics 1 3-4

or ECON 102 Microeconomic Principles

Select from campus approved list. 3-4

ACES required


<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACES 101</td>
<td>Contemporary Issues in ACES</td>
<td>2</td>
</tr>
</tbody>
</table>

Required Concentration 58-79

Concentration prescribed courses. See specific concentration requirements.

Total Hours 126

1 ACE 100 or ECON 102 are not required for the Biological Sciences Concentration.

Code | Title                                         | Hours |
|-----|----------------------------------------------|-------|

Natural Sciences and Technology

CHEM 102 General Chemistry I 4

& CHEM 103 and General Chemistry Lab I

CHEM 104 General Chemistry II 4

& CHEM 105 and General Chemistry Lab II

CHEM 232 Elementary Organic Chemistry I 3-4

or CPSC 38: Organic Chem of Biol Processes

IB 103 Introduction to Plant Biology 4

Select one of the following: 4-5

- MCB 100 Introductory Microbiology
- & MCB 101 and Intro Microbiology Laboratory

IB 104 Animal Biology

Plant Protection Concentration Required

CPSC 112 Introduction to Crop Sciences 4

CPSC 226 Introduction to Weed Science 3

CPSC 270 Applied Entomology 3

CPSC 352 Plant Genetics 3-4

or CPSC 48: Plant Physiology

CPSC 498 Crop Sci Professional Developm 1

NRES 201 Introductory Soils 4

NRES 488 Soil Fertility and Fertilizers 3

PLPA 204 Introductory Plant Pathology 3

Select one of the following: 3-4

- ANSC 100 Intro to Animal Sciences
- HORT 100 Introduction to Horticulture
- FSHN 101 The Science of Food and How it Relates to You
- NRES 102 Introduction to NRES
- TSM 100 Technical Systems in Agr

Select one of the following: 2-3

- CPSC 418 Crop Growth and Management
- HORT 361 Small Fruit Production
- HORT 362 Tree Fruit Production

Select 12 hours from the following: 12

- CPSC 426 Weed Mgt in Agronomic Crops
- CPSC 431 Plants and Global Change
- CPSC 473 Mgmt of Field Crop Insects
- CPSC 475 Insect Pathology
- IB 444 Insect Ecology
- IB 468 Insect Classification and Evol
- IB 482 Insect Pest Management
- PLPA 403 Advanced Plant Pathology
- PLPA 407 Diseases of Field Crops
- TSM 465 Chemical Applications Systems

Information listed in this catalog is current as of 06/2020
Total ACES prescribed and elective courses must total 35 hours, of which 20 must be completed in residence.