AGRONOMY, BS

for the degree of Bachelor of Science Major in Agronomy

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

Agronomy is the fundamental agricultural science: managing multiple parts of agricultural systems to sustainability and economically meet the growing need for food, fuel and fiber. The agronomy major provides a foundation that by necessity integrates the science and practice of agricultural production through courses in plant biology, genetics, weed and pest management, soil science, environmental quality, and agricultural management practices. The program also offers many opportunities to participate in research and internships. This curriculum prepares students for careers in agricultural sciences as well as for entrance into graduate and professional schools. Our students pursue employment in scientific research or fields related to agronomy including crop consulting, soil and crop management, international food security and agricultural development, and science policy.

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### General Education Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>RHET 105</td>
<td>Writing and Research</td>
<td>6 to 7</td>
</tr>
<tr>
<td>&amp; CMN 101</td>
<td>and Public Speaking</td>
<td></td>
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<td>OR</td>
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<tr>
<td>CMN 111</td>
<td>Oral &amp; Written Comm I</td>
<td>3 to 4</td>
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<tr>
<td>&amp; CMN 112</td>
<td>and Oral &amp; Written Comm II</td>
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#### Composition I and Speech

#### Cultural Studies

- Western/Comparative Cultures
- Non-Western Cultures
- US Minority Cultures

#### Foreign Language

- Third Level or Above

#### Quantitative Reasoning I

- MATH 220 | Calculus | 4 to 5 |
- or MATH 221 | Calculus I |  |
- or MATH 234 | Calculus for Business I |  |

#### Quantitative Reasoning II

- CPSC 241 | Intro to Applied Statistics | 3 |

#### Natural Sciences and Technology

- CHEM 102 | General Chemistry I | 8 |
- & CHEM 103 | and General Chemistry Lab I |  |
- CHEM 104 | General Chemistry II |  |
- & CHEM 105 | and General Chemistry Lab II |  |

#### Humanities and the Arts

#### Social and Behavioral Sciences

- ACE 100 | Introduction to Applied Microeconomics | 7 to 8 |

#### Total Hours for Gen Ed Requirements

- 46-50

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACES 101</td>
<td>Contemporary Issues in ACES</td>
<td>0-2</td>
</tr>
<tr>
<td>or ACES 200</td>
<td>ACES Transfer Orientation</td>
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### Major Requirements

#### Non-Departmental Core Requirements

- IB 103 | Introduction to Plant Biology | 4 |
- IB 150 | Organismal & Evolutionary Biol | 4 |
- NRES 201 | Introductory Soils | 4 |

#### Crop Sciences Core Requirements

- CPSC 102 | Foundational Skills in Crop Sciences | 13-14 |
- CPSC 112 | Introduction to Crop Sciences | 2 |
- CPSC 212 | Introduction to Plant Protection | 4 |
- Internship or Research/Thesis (choose one): | 2-3 |
- CPSC 393 | Crop Sciences Internship |  |
- or HORT 393 | Horticulture Internship |  |
- CPSC 395 | Undergrad Research or Thesis |  |
- or HORT 395 | Undergrad Research or Thesis |  |
- or PLPA 395 | Undergrad Research or Thesis |  |
- CPSC 498 | Crop Sci Professional Develpmt | 1 |

#### Agronomy Requirements

- 14 |
- CPSC 336 | Tomorrow’s Environment | 3 |
- CPSC 352 | Plant Genetics | 4 |
- CPSC 382 | Organic Chem of Biol Processes | 4 |
- CPSC 418 | Crop Growth and Management | 3 |

#### Major Electives

Choose from any 300- or 400- level CPSC, HORT, or PLPA courses, excluding: CPSC 393, HORT 393, CPSC 395, HORT 395 & PLPA 395.

#### Total Hours

- 126

Information listed in this catalog is current as of 12/2021