CROP SCIENCES: PLANT BIOTECHNOLOGY AND MOLECULAR BIOLOGY, BS

for the degree of Bachelor of Science Major in Crop Sciences, Plant Biotechnology and Molecular Biology 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 biotechnology and molecular biology concentration provides a curriculum that prepares students for careers in biotechnology or for entrance into graduate or professional school. The basic sciences are emphasized, including a strong foundation in biology and genetics. Students are encouraged to participate in undergraduate independent study in a molecular biology laboratory. For those who wish to pursue graduate work later, adequate preparation may be obtained by suitable choices of electives within the framework of this concentration.

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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 or equivalent - see College Composition I requirement (3 or 4)</td>
<td>4</td>
</tr>
<tr>
<td>CMN 101</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
</tbody>
</table>

Advanced Composition

Select from campus approved list.

3-4

Cultural Studies

Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.

9

Foreign Language

Coursework at or above the third level is required for graduation.

Quantitative Reasoning I

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 220</td>
<td>Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>MATH 234</td>
<td>Calculus for Business I</td>
<td></td>
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Quantitative Reasoning II

Select one of the following:

<table>
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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CPSC 241</td>
<td>Intro to Applied Statistics</td>
<td>3</td>
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</tbody>
</table>

Natural Sciences and Technology

See Specific Concentration Requirements

Humanities and the Arts

Select from campus approved list

Social and Behavioral Sciences

ACE 100 | Agr Cons and Resource Econ or ECON 102 Microeconomic Principles | 3-4 |

ACES required

ACE 101 | Contemporary Issues in ACES | 2     |

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.

Information listed in this catalog is current as of 05/2019
TSM 100  Technical Systems in Agr

Three courses/groups selected from:  10-15

IB 103  Introduction to Plant Biology
IB 104  Animal Biology

MCB 100  Introductory Microbiology
& MCB 101  and Intro Microbiology Laboratory

MCB 150  Molec & Cellular Basis of Life
& MCB 151  and Molec & Cellular Laboratory

Total ACES prescribed and elective courses must total 35 hours, of which 20 must be completed in residence.