# Bachelor of Science in Biology
## Plant Biology Track - Starting in Fall 2013

<table>
<thead>
<tr>
<th>YEAR</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1<strong>ST</strong> YEAR</td>
<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
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<tr>
<td><strong>Chemistry Courses</strong></td>
<td><strong>Chemistry I</strong> (CHEM:1110)</td>
<td><strong>Calculus, or math leading to Calculus</strong> (1 course, see options)</td>
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<tr>
<td><strong>Biology Courses</strong></td>
<td><strong>Foundations of Biology</strong> (BIOL:1411)</td>
<td><strong>Statistics</strong> (1 course, see options)</td>
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<td><strong>Physics Courses</strong></td>
<td><strong>Chemistry II</strong> (CHEM:1120)</td>
<td><strong>College Physics I</strong> (PHYS:1511)</td>
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<td><strong>Math/Statistics Courses</strong></td>
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<tr>
<td>2<strong>ND</strong> YEAR</td>
<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
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<tr>
<td><strong>Chemistry Courses</strong></td>
<td><strong>Organic Chemistry I</strong> (CHEM:2210)</td>
<td><strong>College Physics I</strong> (PHYS:1511)</td>
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<td><strong>Biology Courses</strong></td>
<td><strong>Diversity of Form &amp; Function</strong> (BIOL:1412)</td>
<td><strong>Fundamental Genetics</strong> (BIOL: 2512)</td>
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<td><strong>Physics Courses</strong></td>
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<td><strong>Math/Statistics Courses</strong></td>
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<tr>
<td>3<strong>RD</strong> YEAR</td>
<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
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<td><strong>Chemistry Courses</strong></td>
<td><strong>Biochemistry</strong> (1 or 2 courses, see options)</td>
<td><strong>College Physics II</strong> (PHYS:1512)</td>
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<tr>
<td><strong>Biology Courses</strong></td>
<td><strong>Ecology</strong> (BIOL:2673)</td>
<td><strong>Evolution</strong> (BIOL:3172)</td>
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<td><strong>Physics Courses</strong></td>
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<td><strong>Math/Statistics Courses</strong></td>
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<tr>
<td>4<strong>TH</strong> YEAR</td>
<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
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<td><strong>Chemistry Courses</strong></td>
<td><strong>Investigative Lab</strong> (1 course, see options)</td>
<td><strong>Experiential Elective (see options)</strong></td>
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<tr>
<td><strong>Biology Courses</strong></td>
<td><strong>Plant Biology Elective</strong> (2 courses, see options)</td>
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<td><strong>Physics Courses</strong></td>
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<tr>
<td><strong>Math/Statistics Courses</strong></td>
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For more information, please contact the Biology Academic Advisor:
Amy Korthank
144 Biology Building
Phone: 319-353-2484
Email: amy-korthank@uiowa.edu

To schedule an appointment, please visit tippie.uiowa.edu/clas/professional-advising

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For students admitted for Fall 2013 or after
NOTE: The minimum requirement of 6 s.h. of Honors Investigation (BIOL:4999) for an Honors degree must be completed if BIOL:4999 is to substitute for an investigative lab.

A Choose one of the following options:
- Calculus for the Biological Sciences (MATH:1460, 4 s.h., Fall and Spring semesters)
- Calculus 1 (MATH:1850, 4 s.h., Fall and Spring semesters)

B Choose one of the following options:
- Statistical Methods and Computing (STAT:2010, 3 s.h., Fall and Spring semesters)
- Biostatistics (STAT:3510, 3 s.h., Fall and Spring semesters)

C Choose one of the following sequences:
- Biochemistry (BIOC:3110, 3 s.h., Fall and Spring semesters)
- Biochemistry and Molecular Biology I (BIOC:3120, 3 s.h., Fall and Spring semesters) + Biochemistry and Molecular Biology II (BIOC:3130, 3 s.h., Spring semesters)

D Choose one of the following (1 course required, other can be used toward Experiential Elective):
- Evolution Lab (BIOL:3676, 4 s.h., Fall semesters)
- Genetics & Biotechnology Lab (BIOL:3716, 4 s.h., Spring semesters)

E Choose at least two of these:
- Biogeography (BIOC:2374, 3 s.h., Spring semesters)
- Bioinformatics (BIOC:4213, 3 s.h., Fall semesters)
- Cell Biology (BIOC:2723, 3 s.h., Spring semesters)
- Genomics (BIOC:3314, 3 s.h., Spring semesters)
- Introduction to Developmental Biology (BIOC:3233, 3 s.h., Fall semesters)
- Molecular Genetics (BIOC:3713, 3 s.h., Fall semesters)
- Population Genetics and Molecular Evolution (BIOC:4273, 3 s.h., Spring semesters)
- Evolution of Ecosystems (GEOS:4700, 3 s.h., Spring semesters)

F Choose one of the following:
- Investigative Lab not used to satisfy that requirement
  - Evolution Lab (BIOL:3676, 4 s.h., Fall semesters)
  - Genetics & Biotechnology Lab (BIOL:3716, 4 s.h., Spring semesters)
- Developmental Biology Lab (BIOL:3736, 4 s.h., Spring semesters)
- Field Ecology (ENVS:3095, 4 s.h., Fall semesters)
- Honors Investigations (BIOL:4999, 6 s.h., Fall and Spring semesters)
- Entering Research (BIOL:4898, 1 s.h., Fall and Spring semesters) + Introduction to Research (BIOL:4899, 5 s.h., Fall and Spring semesters)
- Advanced Teaching Internship in Biology (BIOL:4897, 4 s.h., Fall and Spring semesters)
- Lakeside Laboratory (approved 4 s.h. course)

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