# Integrated Biology, PhD

## Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

## Integrated Biology, PhD

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Academic Career</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>72 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website.</td>
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<tr>
<td><strong>First Year</strong></td>
<td></td>
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<tr>
<td>Any Semester</td>
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<tr>
<td>Qualifying Exam</td>
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</tr>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>BIOL:5412</td>
<td>Fundamental Genetics - Graduate (Lecture)</td>
<td>3</td>
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<tr>
<td>BIOL:5512</td>
<td>Readings in Genetics</td>
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<tr>
<td>BIOL:6199</td>
<td>Research: Biology (COSMOS) Seminar</td>
<td>5</td>
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<tr>
<td>BIOL:6298</td>
<td>Concepts, Models, and Systems in Biology (COSMOS) Seminar</td>
<td>1</td>
</tr>
<tr>
<td>BIOL:7270</td>
<td>Principles of Scholarly Integrity</td>
<td>1</td>
</tr>
<tr>
<td>Advanced lecture elective or data informatics course</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>BIOL:5110</td>
<td>Practicum: College Teaching for Biology Teaching Assistants</td>
<td>2</td>
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<td>Research: Biology</td>
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<tr>
<td>Advanced lecture elective or data informatics course</td>
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<tr>
<td><strong>Second Year</strong></td>
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<td><strong>Fall</strong></td>
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<td>Research: Biology</td>
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<td>BIOL:6298</td>
<td>Concepts, Models, and Systems in Biology (COSMOS) Seminar</td>
<td>1</td>
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<tr>
<td>Advanced lecture elective or elective course</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>BIOL:6188</td>
<td>Seminar: Writing in Natural Sciences</td>
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<td>BIOL:6199</td>
<td>Research: Biology</td>
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<tr>
<td><strong>Third Year</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>BIOL:6199</td>
<td>Research: Biology</td>
<td>3</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>BIOL:6199</td>
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<td><strong>Fourth Year</strong></td>
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<td><strong>Fall</strong></td>
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<tr>
<td>BIOL:6199</td>
<td>Research: Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL:6298</td>
<td>Concepts, Models, and Systems in Biology (COSMOS) Seminar</td>
<td>1</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>BIOL:6199</td>
<td>Research: Biology</td>
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<tr>
<td><strong>Total Hours</strong></td>
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</tr>
</tbody>
</table>

- **a** Students who take coursework to make up for undergraduate deficiencies (e.g., physics, biochemistry, or fundamental genetics) may not count that coursework towards the degree requirements.
- **b** Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- **c** Taken at the end of first year.
- **d** Work with faculty advisor to determine appropriate elective coursework.
- **e** Comprehensive Exam requires current session enrollment.
- **f** Dissertation defense.