Biology, B.A.

Academic Plans

Four-Year Graduation Plan

The following checkpoints list the minimum requirements students must complete by certain semesters in order to stay on the University's Four-Year Graduation Plan. Courses in the major are those required to complete the major; they may be offered by departments other than the major department.


Before the fifth semester begins: BIOL:1412 Diversity of Form and Function, STAT:2010 Statistical Methods and Computing or STAT:3510 Biostatistics, and four other courses in the major.

Before the seventh semester begins: BIOL:2512 Fundamental Genetics, BIOL:2723 Cell Biology, BIOL:3172 Evolution, five or six more courses in the major, and at least 90 s.h. earned toward the degree.

Before the eighth semester begins: two or three more courses in the major.

During the eighth semester: enrollment in all remaining coursework in the major, all remaining GE CLAS Core courses, and a sufficient number of semester hours to graduate.

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.

Biology, B.A.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Career</td>
<td></td>
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<tr>
<td>Any Semester</td>
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<tr>
<td>GE CLAS Core: Sustainability a</td>
<td></td>
<td></td>
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<tr>
<td>Research: Iowa Lakeside Laboratory summer field courses b</td>
<td></td>
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<tr>
<td>First Year Fall</td>
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<tr>
<td>CHEM:1110</td>
<td>Principles of Chemistry I c</td>
<td>4</td>
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<tr>
<td>ENGL:1200 or RHET:1030</td>
<td>The Interpretation of Literature or Rhetoric</td>
<td>3 - 4</td>
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<tr>
<td>MATH:1460</td>
<td>Calculus for the Biological Sciences d</td>
<td>4</td>
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<tr>
<td>GE CLAS Core: Social Sciences e</td>
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<tr>
<td>CSI:1600</td>
<td>Success at Iowa</td>
<td>2</td>
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<tr>
<td>Hours</td>
<td></td>
<td>16-17</td>
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Spring

BIOL:1411 Foundations of Biology | 4 |
CHEM:1120 Principles of Chemistry II | 4 |

Second Year

Fall

BIOL:1412 Diversity of Form and Function | 4 |
STAT:2010 Statistical Methods and Computing or STAT:3510 Biostatistics | 3 |
GE CLAS Core: Literary, Visual, and Performing Arts e | 3 |
GE CLAS Core: World Languages First Level Proficiency or elective course | 4 - 5 |
| Hours | 14-15 |

Spring

BIOL:2723 Cell Biology | 3 |
Major: elective outside biology g | 3 |
GE CLAS Core: Historical Perspectives e | 3 |
GE CLAS Core: World Languages Second Level Proficiency or elective course | 4 - 5 |
| Hours | 13-14 |

Third Year

Fall

BIOL:2512 Fundamental Genetics | 4 |
BMB:3110 Biochemistry | 3 |
Major: elective outside biology g | 3 |
GE CLAS Core: World Languages Second Level Proficiency or elective course | 4 - 5 |
| Hours | 14-15 |

Spring

BIOL:3172 Evolution | 4 |
Major: biological systems requirement I | 3 |
Major: elective outside biology g | 3 |
GE CLAS Core: World Languages Fourth Level Proficiency or elective course | 4 - 5 |
| Hours | 14-15 |

Fourth Year

Fall

Major: biological systems requirement II | 3 |
Major: biology elective I | 3 |
Major: elective outside biology g | 3 |
GE CLAS Core: International and Global Issues e | 3 |
GE CLAS Core: Values and Culture e | 3 |
| Hours | 15 |

Spring

Major: course with a laboratory requirement | 4 - 6 |
Major: genes and genomes requirement | 3 |
Major: biology elective II | 3 |
Elective course h | 3 |
Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall) i | |
| Hours | 13-15 |

Total Hours 113-121

* Sustainability must be completed by choosing a course that has been approved for Sustainability AND for one of these General Education areas: Natural Sciences; Quantitative and...
Formal Reasoning; Social Sciences; Historical Perspectives; International and Global Issues; Literary, Visual, and Performing Arts; or Values and Culture.

b After completing BIOL:1412 Diversity of Form & Function, students are eligible to enroll in Lakeside Laboratory summer field courses. Registration for these courses is in winter of each year.

c Enrollment in chemistry courses requires completion of a placement exam.

d Enrollment in math courses requires completion of a placement exam.

e GE CLAS Core courses may be completed in any order unless used as a prerequisite for another course. Students should consult with an advisor about the best sequencing of courses.

f Students who have completed four years of a single language in high school have satisfied the GE CLAS Core World Languages requirement. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course.

g Students complete 12 s.h. of coursework outside the Department of Biology by choosing courses from an approved list.

h Students may use elective courses to earn credit towards the total s.h. required for graduation or to complete a double major, minors, or certificates.

i Please see Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Graduation Services.