# Biology Minor

## Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biology Minor Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 112</td>
<td>Principles of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 113</td>
<td>Principles of Biology II</td>
<td>4</td>
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</tbody>
</table>

**Biology Minor Elective Options**

Select one of the following options (see below) 15

**Total Credits** 23

## Biology Minor Elective Options

### Molecular Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOL 230</td>
<td>Cell and Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 350</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 380</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 434</td>
<td>Molecular Biology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits** 15

### Ecological Option

<table>
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<tr>
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<tbody>
<tr>
<td>BIOL 213</td>
<td>Introduction to Ecology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 11 credits from the following: 11

- AQUA 351 Aquatic Biological Processes
- BIMS 220 Introduction to Marine Biology
- BIOL 300 Environmental Biology and Related Controversial Issues
- BIOL 330 Introduction to Animal Behavior
- BIOL 370 Principles of Ecology
- BIOL 415 Population Genetics
- BIOL 417 Evolutionary Biology
- BIOL 420 Economic Botany
- BIOL 426 New Jersey Flora
- BIOL 429 Herpetology
- BIOL 430 Ornithology
- BIOL 431 Entomology
- BIOL 436 Phylogenetic Zoology
- BIOL 451 Comparative Animal Physiology
- BIOL 460 Biological Oceanography
- BIOL 461 Aquatic Ecology
- BIOL 493 Molecular Ecology

**Total Credits** 15

### Functional Option

<table>
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<tbody>
<tr>
<td>BIOL 230</td>
<td>Cell and Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 380</td>
<td>Genetics</td>
<td>4</td>
</tr>
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</table>

Select 7 credits of the following: 7

- BIOL 410 Toxicology
- BIOL 425 Elementary Plant Physiology
- BIOL 432 Medical Entomology
- BIOL 433 Developmental Biology
- BIOL 439 Biology of Animal Parasites
- BIOL 440 Gross Mammalian Anatomy
- BIOL 441 Comparative Anatomy of Vertebrates
- BIOL 442 Human Physiology
- BIOL 443 Vertebrate Embryology
- BIOL 444 Cell Physiology
- BIOL 445 Immunology
- BIOL 446 Endocrinology
- BIOL 447 Fundamentals of Pharmacology
- BIOL 450 Medical Microbiology
- BIOL 451 Comparative Animal Physiology
- BIOL 457 Virology
- BIOL 468 Neurobiology
- BIOL 476 Biology of Cancer

**Total Credits** 15