# 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>
</tr>
<tr>
<td><strong>Biology Minor Elective Options</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one of the following options (see below)</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

**Total Credits**: 23

## Biology Minor Elective Options

### Molecular Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<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>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<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>
<thead>
<tr>
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</tr>
</thead>
<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>
</tbody>
</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