# Biology Minor

## Program Requirements

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

**Total Credits:** 23

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## Biology Minor Elective Options

### Molecular Option

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

**Total Credits:** 15

- 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

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## Functional Option

Select 7 credits of the following:

**Total Credits:** 15

- BIOL 410 | Toxicology
- BIOL 425 | Elementary Plant Physiology
- BIOL 432 | Medical Entomology

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### Notes

- 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