### Major in: Biology-General

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
<th>Has</th>
<th>Lacks</th>
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<tbody>
<tr>
<td>BI 211, 212, 213 Principles of Biology</td>
<td>15</td>
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<tr>
<td>BI 314 Introductory Genetics</td>
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<td>BI 315 Cell Biology</td>
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<td>BI 316 Evolution</td>
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<tr>
<td>BI 331 General Microbiology</td>
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**Choose one (4-5)**
- BI 317 Vertebrate Natural History (4)
- BI 321 Systematic Field Botany* (4)
- BI 451 Invertebrate Zoology (5)

**Math Options: choose one**
- **A)** MTH 112 Elementary Functions (4)
  - MTH 243 Probability and Statistics (4)
- **B)** MTH 251 Calculus I (5)
  - MTH 252 Calculus II (5)
- **C)** MTH 251 Calculus I (5)
  - MTH 243 Probability and Statistics (4)

### General Biology Emphasis (16-19)

**Cell Development: choose one**
- BI 326 Developmental Biology
- BI 432 Immunology
- BI 475 Molecular Biology

**Anatomy and Physiology: choose two**
- BI 324 Comparative Vertebrate Anatomy (5)
- BI 330 Plant Physiology (5)
- BI 371 Structure of Seed Plants (4)
- BI 434 Comparative Vertebrate Physiology (4)

**Field Biology of Animals: choose one**
- BI 317 Vertebrate Natural History (4)
- BI 361 Marine Ecology (5)
- BI 451 Invertebrate Zoology (4)
- BI 474 Biology of Insects (5)

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### Program notes & Additional Degree Requirements

*All students pursuing this emphasis must complete BI 321 as their required Biology core option. In addition, students may choose any of the three math options of the required Biology core.

Biology majors, regardless of emphasis, are required to maintain a C average in courses that are used to satisfy biology degree requirements.

Students graduating in the various emphases of the biology major are required to take a standardized exit exam in their last year.

Minimum degree requirements of at least:
- 180 or more total credit hours
- 62 Upper Division credit hours
- 45 of last 60 credits earned at WOU campus

### BA Degree Requirements

- CS 101 or higher
- Math 105 or higher
- Writing Intensive:

### BS Degree Requirements

- CS121 or higher
- Math 111 or higher
- CS/Math/Stats

- Diversity

- Writing Intensive