**Major in: Biology-Ecology**

<table>
<thead>
<tr>
<th>Major 78-86 hours, 36 UD</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>
<td>4</td>
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<td>BI 315 Cell Biology</td>
<td>4</td>
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<td>BI 316 Evolution</td>
<td>4</td>
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<tr>
<td>BI 331 General Microbiology</td>
<td>4</td>
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**Choose one**

- BI 317 Vertebrate Natural History (4)
- BI 321 Systematic Field Botany (4)
- BI 451 Invertebrate Zoology (5)

**Choose one**

- BI 357 General Ecology (4)*
- BI 454 Plant Ecology (4)

- CH 221, 222, 223 General Chemistry | 15  |

**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)

**Ecology Emphasis (17-18)**

- BI 361 Marine Ecology | 5   |
- BI 454 Plant Ecology | 4   |
- BI 461 Conservation Biology | 4   |

- One UD course approved by Advisor | 4-5 |

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**Program notes & Additional Degree Requirements**

*All Students pursuing this emphasis must complete BI 357 as their required Biology core option. Furthermore, all students must complete option B as there required Biology Math core option. In addition MTH 243 is strongly recommended.*

**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.

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**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:

**Foreign Language:**

**BS Degree Requirements**

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

**Diversity**

**Writing Intensive**