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<tr>
<td>BI 211 Principles of Biology I</td>
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<td>BI 212 Principles of Biology II</td>
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<td>BI 213 Principles of Biology III</td>
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<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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<td>BI 331 General Microbiology</td>
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**Choose one (4-5)** (4-5)
- BI 317 Vertebrate Natural History (4)
- BI 321 Systematic Field Botany (4)
- BI 451 Invertebrate Zoology (5)

**Choose one (4-5)** (4-5)
- BI 357 General Ecology
- BI 454 Plant Ecology

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<td>CH 222 General Chemistry II</td>
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<td>CH 223 General Chemistry III</td>
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**Math Options: choose one** (8-10)

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)

**Molecular/Cell Emphasis (18-19)**
- BI 475 Molecular Biology | 4 |
- CH 312 Quantitative Analysis | 4 |
- CH 450 Biochemistry I | 3 |
- CH 451 Biochemistry II | 3 |

*One upper division course approved by Advisor (4-5)*

Program notes & Additional Degree Requirements

*All Students pursuing this emphasis must complete option C as their Biology core Math option.*

**Students must also complete the Physical Science minor.**

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: