Major in: Biology-Molecular/Cellular

<table>
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<tr>
<th>Major 78-86 hours, 36 UD</th>
<th>Hrs</th>
<th>Has</th>
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<tbody>
<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

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

Choose one: 4-5

- BI 357 General Ecology
- BI 454 Plant Ecology
- CH 221 General Chemistry I
- CH 222 General Chemistry II
- CH 223 General Chemistry III

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 UD 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: