## Academic Degree Program

**Major in:** Biology-Pre-Professional

<table>
<thead>
<tr>
<th>Student Name:</th>
<th>Advisor Signature:</th>
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<td>Student ID:</td>
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<tr>
<th>Major 78-86 hours, 36 UD</th>
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<tbody>
<tr>
<td>BI 211 Principles of Biology I</td>
<td>5</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:
- BI 317 Vertebrate Natural History (4)
- BI 321 Systematic Field Botany (4)
- BI 451 Invertebrate Zoology (5)

Choose one:
- BI 357 General Ecology*
- BI 454 Plant Ecology

CH 221 General Chemistry I | 5
CH 222 General Chemistry II | 5
CH 223 General Chemistry III | 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)

**PreProfessional Emphasis (19-21)**

CH 451 Biochemistry II | 3
BI 336 Adv. Human Anatomy & Physiology | 4

Choose an option:

A) BI 324 Comparative Vertebrate Anatomy
   - BI 434 Comparative Vertebrate Physiology
B) BI 334 Adv. Human Anatomy & Physiology
   - BI 335 Adv. Human Anatomy & Physiology

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.

Students must also complete either a chemistry or 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.

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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: