BACHELOR OF SCIENCE IN BIOLOGY: CONCENTRATION IN ECOLOGY

Course is 3 units unless otherwise noted.

<table>
<thead>
<tr>
<th>Lower Division Requirements (34-35 units)</th>
<th>Units</th>
<th>√</th>
<th>Equiv. Form if any (√)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 230 Introductory Biology I</td>
<td>5</td>
<td></td>
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<tr>
<td>BIOL 240 Introductory Biology II</td>
<td>5</td>
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<tr>
<td>CHEM 115 General Chemistry I: Essential Concepts of Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 130 General Organic Chemistry</td>
<td>3</td>
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Units selected from the following (16-17 units):

- CHEM 215/216 General Chemistry II: Quantitative Appl.of Chem. Concepts/Lab. (3/2)
- MATH 226 Calculus I (4)
- MATH 227 Calculus II (4)
- PHYS 111/112 General Physics I/Laboratory (3/1)
- PHYS 121/122 General Physics II and Laboratory (3/1)

Total lower division requirements (units): 34-35

Upper Division Requirements (19-22 units, Bulletin incorrect) (plus 11-14 additional elective units)

<table>
<thead>
<tr>
<th>Upper Division Requirements</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 337 Evolution</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 355 Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 458 Biometry</td>
<td>4</td>
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</table>

One of the following physiology courses upon advisement (3 units):

- BIOL 525 Plant Physiology
- BIOL 630 Animal Physiology

Units selected from the following ecology courses upon advisement (6-8 units)

- BIOL 482 Ecology (4)
- BIOL 490 Ecology of Infectious Disease (4)
- BIOL 529GW Plant Ecology - GWAR (4)
- BIOL 530 Conservation Biology
- BIOL 532 Restoration Ecology
- BIOL 534 Wetland Ecology (4)
- BIOL 577 Ecological and Environmental Modeling (4)
- BIOL 580 Limnology
- BIOL 582 Biological Oceanography (4)
- BIOL 585 Marine Ecology
- BIOL 586 Marine Ecology Laboratory (2)

There are multiple options for meeting the GWAR requirement (course name must have GW) - consult with advisor.

GWAR course must be completed with a C- or better to meet graduation requirements.

Upon advisement, upper division electives from the alternates not used in fulfilling the requirements listed above or any other upper division undergraduate biology courses not specifically excluded for majors credit, or any graduate course in biology: 11-14 additional units

<table>
<thead>
<tr>
<th>Course Num.</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
</table>

What course has student taken to meet GWAR?

Total upper division unit requirements: 32-33

Total units for major: (ignore Bulletin 64-70u) 67