# Watershed Management and Hydrology Concentration - Forestry and Natural Resources

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 128</td>
<td>General Chemistry for Agriculture and Life Science II</td>
<td>4</td>
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<tr>
<td>MATH 162</td>
<td>Calculus for the Life Sciences II</td>
<td>4</td>
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<tr>
<td>NR 420</td>
<td>Watershed Assessment and Protection</td>
<td>4</td>
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<tr>
<td>PHYS 122</td>
<td>College Physics II</td>
<td>4</td>
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<tr>
<td>SS 321</td>
<td>Soil Morphology</td>
<td>4</td>
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<tr>
<td>SS 440</td>
<td>Forest and Range Soils</td>
<td>4</td>
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**Approved electives**

1. Select from the following:

   - BRAE 236 Principles of Irrigation
   - BRAE 340 Irrigation Water Management
   - BRAE 435 Drainage
   - BRAE 532 Water Wells and Pumps
   - CHEM 312 Survey of Organic Chemistry
   - ERSC 303 Soil Erosion and Water Conservation
   - ERSC 323 Geomorphology
   - GEOL 201 Physical Geology
   - GEOL 241 Physical Geology Laboratory
   - NR 339 Internship in Forest and Natural Resources
   - NR/CRP 408 Water Resource Law and Policy
   - NR 418 Applied GIS
   - NR/BIO/SS 421 Wetlands
   - NR/HNRS 475 Sustainable Forest and Environmental Practices
   - SS 432 Environmental Soil Physics
   - STAT 313 Applied Experimental Design and Regression Models

**Total units** 32

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1. If a course is taken to meet a requirement, it cannot be double-counted as an approved elective for the concentration.

2. Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.