Watershed Management and Hydrology Concentration - Environmental Management and Protection

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 162</td>
<td>Calculus for the Life Sciences II</td>
<td>4</td>
</tr>
<tr>
<td>NR 420</td>
<td>Advanced Watershed Hydrology</td>
<td>4</td>
</tr>
<tr>
<td>SS 321</td>
<td>Soil Morphology</td>
<td>4</td>
</tr>
<tr>
<td>SS 440</td>
<td>Forest and Range Soils ¹</td>
<td>4</td>
</tr>
<tr>
<td>or ERSC 323</td>
<td>Geomorphology</td>
<td></td>
</tr>
<tr>
<td>SS 442</td>
<td>Soil Vadose Zone and Groundwater Processes</td>
<td>4</td>
</tr>
</tbody>
</table>

**Approved electives** ¹,²

Select from the following: 15

- BRAE 236  Principles of Irrigation
- BRAE 340  Irrigation Water Management
- BRAE 345  Aerial Photogrammetry and Remote Sensing
- BRAE 435  Drainage
- BRAE 532  Water Wells and Pumps
- ERSC 202  Soil Erosion and Water Conservation
- ERSC 323  Geomorphology
- GEOL 241  Physical Geology Laboratory
- NR 260   Forest Practices and Environmental Protection
- NR/BIO/SS 421  Wetlands
- NR 315   Measurements and Sampling in Forested Environments
- NR 339   Internship in Forest and Natural Resources
- NR/CRP 408 Water Resource Law and Policy
- NR 418   Applied GIS
- NR/HNRS 475 Sustainable Forest and Environmental Practices (9 units allowed)
- PHYS 107 Introduction to Meteorology
- STAT 313 Applied Experimental Design and Regression Models

**Total units** 35

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.