## HYDROLOGY CONCENTRATION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERSC 442</td>
<td>Applied Environmental Groundwater Hydrology</td>
<td>4</td>
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<tr>
<td>or ERSC 443</td>
<td>Applied Environmental Contaminant Transport</td>
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</tbody>
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Select from the following:  

- MATH 142 Calculus II  
- MATH 162 Calculus for the Life Sciences II  
- NR 320 Watershed Processes and Management  
- NR 420 Watershed Assessment and Protection  
- PHYS 122 College Physics II  
- or PHYS 132 General Physics II  
- SS 431 Digital Soil Mapping  
- or SS 440 Forest and Range Soils

Approved electives  

Select from the following:  

- BRAE 331 Irrigation Theory  
- BRAE 340 Irrigation Water Management  
- BRAE 345 Aerial Photogrammetry and Remote Sensing  
- BRAE 435 Drainage  
- BRAE 532 Water Wells and Pumps  
- ERSC 323 Geomorphology  
- ERSC 442 Applied Environmental Groundwater Hydrology  
- ERSC 443 Applied Environmental Contaminant Transport  
- NR 400 Special Problems for Advanced Undergraduates  
- NR/CRP 408 Water Resource Law and Policy  
- NR 422 Stream Measurements and Water Quality Monitoring  
- PHYS 107 Introduction to Meteorology  
- SS/BIO/NR 421 Wetlands  
- SS 431 Digital Soil Mapping  
- SS 440 Forest and Range Soils

Total units: 32

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1 If a course is taken to meet a major requirement, it cannot be double-counted in the concentration.