# Water Science Minor

## Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRAE 340</td>
<td>Irrigation Water Management</td>
<td>4</td>
</tr>
<tr>
<td>NR 408</td>
<td>Water Resource Law and Policy</td>
<td>3</td>
</tr>
<tr>
<td>SS 121</td>
<td>Introductory Soil Science</td>
<td>4</td>
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</tbody>
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## Emphasis Area

Select one emphasis area: **13-18 units**

### Irrigation Emphasis

Select 13 units from the following:

- BRAE 237 Introduction to Engineering Surveying
- or BRAE 239 Engineering Surveying
- BRAE 312 Hydraulics
- BRAE 331 Irrigation Theory
- BRAE 405 Chemigation
- BRAE 437 Landscape Irrigation
- BRAE 438 Irrigation Engineering
- BRAE 435 Drainage
- BRAE 438 Drip/Micro Irrigation
- BRAE 440 Agricultural Irrigation Systems
- BRAE 532 Water Wells and Pumps
- BRAE 533 Irrigation Project Design

### Water Policy Emphasis

Select 17-18 units from the following:

- AGB 312 Agricultural Policy
- BIO/NR/SS 421 Wetlands
- CRP/NR 404 Environmental Law
- NR 320 Watershed Processes and Management
- NR 435 Environmental Policy Analysis
- POLS 333 World Food Systems
- POLS 351 Public Policy and Administration

### Watershed Management Emphasis

Select 16 units from the following:

- BIO/NR/SS 421 Wetlands
- ERSC 303 Soil Erosion and Water Conservation
- NR 306 Natural Resource Ecology and Habitat Management
- NR 320 Watershed Processes and Management
- NR 420 Watershed Assessment and Protection
- SS 440 Forest and Range Soils
- SS 442 Vadose Zone and Groundwater Processes

Total units: **24-29**