# 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/CRP 408</td>
<td>Water Resource Law and Policy</td>
<td>3</td>
</tr>
<tr>
<td>SS 120</td>
<td>Introductory Soil Science</td>
<td>4</td>
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**Emphasis Area**

Select one emphasis area: 13-16

- **Irrigation Emphasis**
  - Select 13 units from the following:
    - BRAE 237 / BRAE 239 Introduction to Engineering Surveying / Engineering Surveying
    - BRAE 312 Hydraulics
    - BRAE 331 Irrigation Theory
    - BRAE 405 Chemigation
    - BRAE 337 Landscape Irrigation
    - BRAE 414 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 16 units from the following:
    - AGB 312 Agricultural Policy
    - AGB 412 Advanced 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
    - ERSC 442 Applied Environmental Groundwater Hydrology
    - ERSC 443 Applied Environmental Contaminant Transport
    - 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

Total units: 24-27