<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>
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<tr>
<td>or MATH 142</td>
<td>Calculus II</td>
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<tr>
<td>NR 320</td>
<td>Watershed Processes and Management</td>
<td>4</td>
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<tr>
<td>NR 420</td>
<td>Watershed Assessment and Protection</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>College Physics II</td>
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<tr>
<td>or PHYS 132</td>
<td>General Physics II</td>
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<tr>
<td>SS 431</td>
<td>Digital Soil Mapping</td>
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</tr>
<tr>
<td>SS 442</td>
<td>Vadose Zone and Groundwater Processes</td>
<td>4</td>
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**Approved electives**

Select from the following: 8 units

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BRAE 236</td>
<td>Principles of Irrigation</td>
</tr>
<tr>
<td>BRAE 331</td>
<td>Irrigation Theory</td>
</tr>
<tr>
<td>BRAE 340</td>
<td>Irrigation Water Management</td>
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<tr>
<td>BRAE 345</td>
<td>Aerial Photogrammetry and Remote Sensing</td>
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<tr>
<td>BRAE 435</td>
<td>Drainage</td>
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<tr>
<td>BRAE 532</td>
<td>Water Wells and Pumps</td>
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<tr>
<td>ERSC 323</td>
<td>Geomorphology</td>
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<tr>
<td>NR/CRP 408</td>
<td>Water Resource Law and Policy</td>
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<tr>
<td>NR 418</td>
<td>Applied GIS</td>
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<tr>
<td>PHYS 107</td>
<td>Introduction to Meteorology</td>
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<tr>
<td>SS/BIO/NR 421</td>
<td>Wetlands</td>
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<tr>
<td>SS 440</td>
<td>Forest and Range Soils</td>
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**Total units**: 32