# LAND REHABILITATION AND RESTORATION ECOLOGY MINOR

Before being admitted to the minor, students must have successfully completed the following courses: BOT 121 or BIO 114, SS 120, MATH 118 or MATH 161.

At least one-half of the units must be at the 300-400 level.

## Required Courses

### Plant area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 381</td>
<td>Native Plants for California Landscapes</td>
<td>4</td>
</tr>
<tr>
<td>or BOT 313</td>
<td>Taxonomy of Vascular Plants</td>
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</tbody>
</table>

### Soils area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS 321</td>
<td>Soil Morphology</td>
<td>4</td>
</tr>
<tr>
<td>SS 421</td>
<td>Wetlands</td>
<td>4</td>
</tr>
<tr>
<td>or SS 431</td>
<td>Digital Soil Mapping</td>
<td></td>
</tr>
<tr>
<td>or SS 440</td>
<td>Forest and Range Soils</td>
<td></td>
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</tbody>
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### Ecological Principles:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>AG 360</td>
<td>Holistic Management</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 327</td>
<td>Wildlife Ecology</td>
<td></td>
</tr>
<tr>
<td>or BOT 326</td>
<td>Plant Ecology</td>
<td></td>
</tr>
<tr>
<td>NR 306</td>
<td>Natural Resource Ecology and Habitat Management</td>
<td>4</td>
</tr>
<tr>
<td>or NR 304</td>
<td>Agroecology</td>
<td></td>
</tr>
<tr>
<td>or NR 305</td>
<td>Forest Ecology and Silvics</td>
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</table>

## Approved Electives

Select from the following: 6-8 units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ASCI 239</td>
<td>Principles of Rangeland Management</td>
</tr>
<tr>
<td>BOT 433</td>
<td>Field Botany: California Plant Diversity</td>
</tr>
<tr>
<td>BRAE 340</td>
<td>Irrigation Water Management</td>
</tr>
<tr>
<td>ERSC 223</td>
<td>Rocks and Minerals</td>
</tr>
<tr>
<td>ERSC 303</td>
<td>Soil Erosion and Water Conservation</td>
</tr>
<tr>
<td>PLSC 124</td>
<td>Plant Propagation</td>
</tr>
<tr>
<td>PLSC 321</td>
<td>Weed Biology and Management</td>
</tr>
<tr>
<td>PLSC 327</td>
<td>Vertebrate Pest Management</td>
</tr>
<tr>
<td>NR/LA 218</td>
<td>Introduction to Geographic Information Systems (GIS)</td>
</tr>
<tr>
<td>or GEOG 218</td>
<td>Applications in GIS</td>
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<tr>
<td>NR 307</td>
<td>Fire Ecology</td>
</tr>
<tr>
<td>NR 320</td>
<td>Watershed Processes and Management</td>
</tr>
<tr>
<td>NR/CRP 404</td>
<td>Environmental Law</td>
</tr>
<tr>
<td>NR/CRP 408</td>
<td>Water Resource Law and Policy</td>
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<tr>
<td>NR 445</td>
<td>Systems Thinking in Environmental Management</td>
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<tr>
<td>SS 221</td>
<td>Soil Health and Plant Nutrition</td>
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<tr>
<td>SS 322</td>
<td>Soil Plant Relationships</td>
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**Total units:** 26-28