A.S. degree in Environmental Conservation

Course List

**Required Program**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATR 300</td>
<td>Introduction to Natural Resource Conservation and Policy</td>
<td>4</td>
</tr>
<tr>
<td>NATR 310</td>
<td>Natural Resource Measurements</td>
<td>4</td>
</tr>
<tr>
<td>NATR 320</td>
<td>Principles of Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 300</td>
<td>The Foundations of Biology</td>
<td>3</td>
</tr>
<tr>
<td>or BIOL 310</td>
<td>General Biology</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal Units: 15 - 16

**Concentrations:**

**Conservation and sustainability**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATR 303</td>
<td>Energy and Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>NATR 307</td>
<td>Principles of Sustainability</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 352</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
</tbody>
</table>

Students following this option may select any courses totaling 5 or more additional units from the other option lists.

Conservation and sustainability Units: 15

Total Units: 30 - 31

**Plant ecology, conservation and management**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATR 330</td>
<td>Native trees and shrubs of California</td>
<td>4</td>
</tr>
</tbody>
</table>

A minimum of 6 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATR 304</td>
<td>The Forest Environment</td>
<td>3</td>
</tr>
<tr>
<td>NATR 306</td>
<td>Introduction to Rangeland Ecology and Management</td>
<td>3</td>
</tr>
<tr>
<td>NATR 332</td>
<td>Wildflowers of California</td>
<td>3</td>
</tr>
</tbody>
</table>

A minimum of 6 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 302</td>
<td>Soils and Plant Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 320</td>
<td>Field Botany</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 322</td>
<td>Ethnobotany</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 352</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 330</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Plant ecology, conservation and management Units: 16

Total Units: 31 - 32

**Vertebrate ecology, conservation and management**

A minimum of 8 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATR 302</td>
<td>Introduction to Wildlife Biology</td>
<td>4</td>
</tr>
<tr>
<td>NATR 305</td>
<td>Fisheries Ecology and Management</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 305</td>
<td>Natural History</td>
<td>4</td>
</tr>
</tbody>
</table>

A minimum of 8 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATR 325</td>
<td>Black Bear Ecology and Management in California</td>
<td>2</td>
</tr>
<tr>
<td>NATR 326</td>
<td>Analysis of a Predator-The Mountain Lion</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 332</td>
<td>Introduction to Ornithology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 352</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 370</td>
<td>Introduction to Marine Environment</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 330</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Vertebrate ecology, conservation and management Units: 16

Total Units: 31 - 32

**Associate Degree**

The Environmental Conservation Associate in Science (A.S.) Degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See ARC graduation requirements.