# Earth Ecosystems Minor

A minor in Earth Ecosystems consists of:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ESS 103 &amp; 103L</td>
<td>ENVIRONMENTAL EARTH SCIENCE and LABORATORY</td>
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<tr>
<td>ESS 111 &amp; 111L</td>
<td>WEATHER, CLIMATE &amp; GLOBAL CHNG and LABORATORY</td>
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<tr>
<td>ESS 302</td>
<td>PEOPLE, PLANTS, &amp; ENVIRONMENT</td>
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<tr>
<td>ESS 312</td>
<td>PRINCIPLES OF ECOLOGY</td>
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**Required courses:**

- ESS 103 & 103L: Environmental Earth Science and Laboratory
- ESS 111 & 111L: Weather, Climate & Global Change and Laboratory
- ESS 302: People, Plants, & Environment
- ESS 312: Principles of Ecology

**Elective courses:** Choose at least 2 courses, minimum of 6 credit hours from these courses:

- ESS 210: Collapse of Civilizations
- ESS 303: Classi & Physical Causes Clim
- ESS 307: Environmental Archeology
- ESS 313: Geographic Information Systems
- ESS 321: Pollution Problems
- ESS 370: Introduction to Remote Sensing
- ESS 407: Env Thrts, Pub Poly, & Dec MkG
- ESS 408: Python for GIS
- ESS 414: Geospatial Applications
- ESS 415: Advanced Topics in GIS

**Total credit hours:** 21