**Sustainability Undergraduate Minor**

**Program Requirements**
- Minimum of 18 credit hours
- Minimum grade of C- required in Core Courses
- Major in any field except B.A. in Environment & Sustainability

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GES 162</td>
<td>Introduction to Sustainability</td>
<td>9</td>
</tr>
<tr>
<td>GES 164</td>
<td>Introduction to Environment</td>
<td></td>
</tr>
<tr>
<td>Select one of the following Core Seminars</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GES 482</td>
<td>Topics in Ethics and Aesthetics</td>
<td></td>
</tr>
<tr>
<td>GES 484</td>
<td>Topics in Development and Economics</td>
<td></td>
</tr>
<tr>
<td>GES 486</td>
<td>Topics in Equity and Society</td>
<td></td>
</tr>
<tr>
<td>Select 3 credits from the Options in Environmental Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select 6 credits from two of the three Options lists below (Equity &amp; Society, Development &amp; Economics, Ethics &amp; Aesthetics) that are different from the selected Core Seminar</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

* May also include GES 488 or any Core Course or Option approved for inclusion in the B.A. in Environment & Sustainability.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 301</td>
<td>Principles of Ecology</td>
<td></td>
</tr>
<tr>
<td>BIO 315</td>
<td>Ecology and Evolution Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIO 361</td>
<td>Biology and Conservation of Sea Turtles</td>
<td></td>
</tr>
<tr>
<td>BIO 401</td>
<td>Adv Topics in Animal Ecology</td>
<td></td>
</tr>
<tr>
<td>BIO 410</td>
<td>Advanced Tpcs in Plant Ecology</td>
<td></td>
</tr>
<tr>
<td>BIO 420</td>
<td>Marine Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 421</td>
<td>Ecosys Ecogy Biogeochem</td>
<td></td>
</tr>
<tr>
<td>BIO 422</td>
<td>Plant Diversity</td>
<td></td>
</tr>
<tr>
<td>BIO 423</td>
<td>Landscape Ecology Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIO 426</td>
<td>Conservation Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 427</td>
<td>Landscape Ecology</td>
<td></td>
</tr>
<tr>
<td>BIO 429</td>
<td>Aquatic Ecology</td>
<td></td>
</tr>
<tr>
<td>BIO 431</td>
<td>The Biosphere</td>
<td></td>
</tr>
<tr>
<td>BIO 432</td>
<td>Aquatic Ecology Lab</td>
<td></td>
</tr>
<tr>
<td>BIO 438</td>
<td>Animal Behavior</td>
<td></td>
</tr>
<tr>
<td>BIO 441</td>
<td>Invertebrate Zoology</td>
<td></td>
</tr>
<tr>
<td>BIO 444</td>
<td>Entomology</td>
<td></td>
</tr>
<tr>
<td>BIO 445</td>
<td>Disease Ecology</td>
<td></td>
</tr>
<tr>
<td>BIO 451</td>
<td>Vascular Plant Systematics</td>
<td></td>
</tr>
<tr>
<td>BIO 456</td>
<td>Global Change</td>
<td></td>
</tr>
<tr>
<td>BIO 470</td>
<td>Vertebrate Zoology</td>
<td></td>
</tr>
<tr>
<td>BIO 480</td>
<td>Environmental Physiology</td>
<td></td>
</tr>
<tr>
<td>BIO 488</td>
<td>Essentials of Toxicology</td>
<td></td>
</tr>
<tr>
<td>CHE 205</td>
<td>Introductory Organic Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHE 331</td>
<td>Quantitative Analysis</td>
<td></td>
</tr>
<tr>
<td>CHE 351</td>
<td>Organic Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHE 352</td>
<td>Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>GES 305</td>
<td>Environmental Hazards Assessment</td>
<td></td>
</tr>
<tr>
<td>GES 312</td>
<td>Geomorphology of North America</td>
<td></td>
</tr>
<tr>
<td>GES 313</td>
<td>Natural Resource Regions of North America</td>
<td></td>
</tr>
<tr>
<td>GES 314</td>
<td>Physical Geography: Landscape Processes &amp; 314L</td>
<td></td>
</tr>
<tr>
<td>GES 319</td>
<td>Weather and Climate &amp; 319L</td>
<td></td>
</tr>
<tr>
<td>GES 328</td>
<td>The Water Planet</td>
<td></td>
</tr>
<tr>
<td>GES 330</td>
<td>Elements of Hydrology</td>
<td></td>
</tr>
<tr>
<td>GES 358</td>
<td>Geographic Information Systems</td>
<td></td>
</tr>
<tr>
<td>GES 359</td>
<td>Remote Sensing of Environment</td>
<td></td>
</tr>
<tr>
<td>GES 418</td>
<td>Biogeography</td>
<td></td>
</tr>
<tr>
<td>GES 419</td>
<td>Advanced Weather and Climate-Synoptic Climatology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATY 362</td>
<td>Methods in Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>ATY 377</td>
<td>Disaster, Self, and Society</td>
<td></td>
</tr>
<tr>
<td>ATY 420</td>
<td>Economic Anthropology</td>
<td></td>
</tr>
<tr>
<td>ATY 426</td>
<td>Food and Culture in a Global Context</td>
<td></td>
</tr>
<tr>
<td>ATY 450</td>
<td>Environmental Anthropology</td>
<td></td>
</tr>
<tr>
<td>ATY 459</td>
<td>Anthropology of Global Water, Sanitation and Hygiene (WASH)</td>
<td></td>
</tr>
<tr>
<td>ATY 465</td>
<td>Medical Anthropology</td>
<td></td>
</tr>
<tr>
<td>ATY 469</td>
<td>Anthropology of Infectious Disease</td>
<td></td>
</tr>
<tr>
<td>CTR 444</td>
<td>Recreation, Parks, and Health</td>
<td></td>
</tr>
<tr>
<td>GES 302</td>
<td>Urban Geography: Sustainable Land Use</td>
<td></td>
</tr>
<tr>
<td>GES 303</td>
<td>World Population Problems</td>
<td></td>
</tr>
<tr>
<td>GES 304</td>
<td>Sustainable Transport and Mobility</td>
<td></td>
</tr>
<tr>
<td>GES 322</td>
<td>Research Methods in Spatial Science</td>
<td></td>
</tr>
<tr>
<td>GES 331</td>
<td>Sustainable Tourism and Transportation</td>
<td></td>
</tr>
<tr>
<td>GES 402</td>
<td>Sustainable Urban Planning in an Entrepreneurial Environment</td>
<td></td>
</tr>
<tr>
<td>GES 405</td>
<td>Sustainable Regional Planning</td>
<td></td>
</tr>
<tr>
<td>GES 415</td>
<td>National Parks and Protected Areas</td>
<td></td>
</tr>
<tr>
<td>GES 432</td>
<td>Geography of Livable Cities</td>
<td></td>
</tr>
<tr>
<td>HEA 307</td>
<td>Global Health</td>
<td></td>
</tr>
<tr>
<td>HEA 315</td>
<td>Epidemiology</td>
<td></td>
</tr>
<tr>
<td>HEA 316</td>
<td>Environmental Health</td>
<td></td>
</tr>
<tr>
<td>HIS 319</td>
<td>Sugar, Soccer, Samba: History of Brazil</td>
<td></td>
</tr>
<tr>
<td>HIS 323</td>
<td>American Indians and Nature</td>
<td></td>
</tr>
<tr>
<td>HIS 334</td>
<td>United States Environmental History</td>
<td></td>
</tr>
<tr>
<td>PCS 406</td>
<td>Environmental Justice</td>
<td></td>
</tr>
<tr>
<td>PSC 312</td>
<td>Environmental Law and Policy</td>
<td></td>
</tr>
<tr>
<td>PSC 313</td>
<td>Natural Resources Law and Policy</td>
<td></td>
</tr>
<tr>
<td>SOC 328</td>
<td>Social Movements</td>
<td></td>
</tr>
<tr>
<td>SOC 330</td>
<td>Urban Society</td>
<td></td>
</tr>
<tr>
<td>SOC 346</td>
<td>Population Problems</td>
<td></td>
</tr>
</tbody>
</table>
### Sustainability Undergraduate Minor

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 370</td>
<td>Environmental Sociology</td>
</tr>
<tr>
<td>SOC 373</td>
<td>Green Criminology</td>
</tr>
<tr>
<td>SOC 377</td>
<td>Disaster, Self, and Society</td>
</tr>
<tr>
<td>SOC 421</td>
<td>Sem in Populatn / Urbn Studies</td>
</tr>
</tbody>
</table>

#### Development & Economics Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 130</td>
<td>Entrepreneurship in a Sustainable Global Environment</td>
<td></td>
</tr>
<tr>
<td>BUS 340</td>
<td>Social Entrepreneurship</td>
<td></td>
</tr>
<tr>
<td>ECO 100</td>
<td>Economics of a Global Sustainable Society</td>
<td></td>
</tr>
<tr>
<td>ENT 300</td>
<td>Ideas to Sustainable Opportunities: Feasibility Analysis</td>
<td></td>
</tr>
<tr>
<td>ENT 440</td>
<td>Experiences in Sustainable Entrepreneurship</td>
<td></td>
</tr>
<tr>
<td>HTM 200</td>
<td>Introduction to Sustainable Development</td>
<td></td>
</tr>
<tr>
<td>HTM 312</td>
<td>Hospitality Facilities Management</td>
<td></td>
</tr>
<tr>
<td>HTM 314</td>
<td>Sustainable Food and Craft Beverage</td>
<td></td>
</tr>
<tr>
<td>HTM 332</td>
<td>Sustainable Destination and Experience Management</td>
<td></td>
</tr>
<tr>
<td>HTM 335</td>
<td>Sustainable Tourism and Transportation</td>
<td></td>
</tr>
</tbody>
</table>

#### Ethics & Aesthetics Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 260</td>
<td>Art, Education, and Social Practice</td>
<td></td>
</tr>
<tr>
<td>ARH 359</td>
<td>Art and/as Social Justice</td>
<td></td>
</tr>
<tr>
<td>CST 420</td>
<td>Environmental Communication</td>
<td></td>
</tr>
<tr>
<td>ENG 290</td>
<td>Social Movement and Social Justice Rhetorics</td>
<td></td>
</tr>
<tr>
<td>ENG 373</td>
<td>American Romanticism</td>
<td></td>
</tr>
<tr>
<td>ENG 380</td>
<td>Literature and the Environment</td>
<td></td>
</tr>
<tr>
<td>IAR 124</td>
<td>Introduction to Sustainable Design</td>
<td></td>
</tr>
<tr>
<td>LLC 130</td>
<td>Global Green: Cultures of Production and/or Consumption</td>
<td></td>
</tr>
<tr>
<td>MUS 326</td>
<td>Music and Environment</td>
<td></td>
</tr>
<tr>
<td>PHI 338</td>
<td>Ethics and International Affairs</td>
<td></td>
</tr>
<tr>
<td>PHI 261</td>
<td>Ethical Issues in Business</td>
<td></td>
</tr>
<tr>
<td>PHI 322</td>
<td>Philosophy of the Arts</td>
<td></td>
</tr>
<tr>
<td>REL 250</td>
<td>Religious Traditions and Care of the Earth</td>
<td></td>
</tr>
<tr>
<td>VPA 324</td>
<td>The Arts as Social Change: Theory and Practice</td>
<td></td>
</tr>
<tr>
<td>WGS 374</td>
<td>Ecofeminism</td>
<td></td>
</tr>
<tr>
<td>WGS 375</td>
<td>Topics in Native American and Indigenous Studies</td>
<td></td>
</tr>
</tbody>
</table>