SUSTAINABILITY STUDIES MINOR

Contact Information
Environment, Ecology, and Energy Program
Visit Program Website (https://e3p.unc.edu/)
3202 Murray Hall, CB# 3275
(919) 962-1270

Paul W. Leslie, Chair
pwleslie@unc.edu

Amy E. Cooke, Director of Undergraduate Studies
amycooke@unc.edu

Violet Anderson, Student Services Manager
vmanders@email.unc.edu

The program provides an understanding of sustainability, a unifying approach to human and environmental problems. Sustainable businesses, communities, and other organizations seek to design systems in ways that optimize material and energy use to decrease environmental and health problems and to bolster economic vitality and social equity. A growing number of scholars are framing problems and solutions in the language of sustainability, which balances growth and development with justice and environmental stewardship in order to meet today's needs without undermining the ability of future generations to do the same.

Students who major in the B.A. or B.S. environmental degree programs are not allowed to minor in sustainability studies.

Department Programs

Majors
- Environmental Studies, B.A. (http://catalog.unc.edu/undergraduate/programs-study/environmental-studies-major-ba/)
- Environmental Science, B.S. (http://catalog.unc.edu/undergraduate/programs-study/environmental-science-bs/)
- Dual Bachelor's-Master's Degree Programs (http://catalog.unc.edu/undergraduate/programs-study/environmental-studies-major-ba/#opportunitiestext)

Minors
- Environmental Science and Studies Minor (http://catalog.unc.edu/undergraduate/programs-study/environmental-science-studies-minor/)
- Food Studies Minor (http://catalog.unc.edu/undergraduate/programs-study/food-studies-minor/)
- Sustainability Studies Minor (p. 1)

Graduate Programs
- Doctor of Philosophy (http://catalog.unc.edu/graduate/schools-departments/environment-ecology/#programtext)
- Master of Science (http://catalog.unc.edu/graduate/schools-departments/environment-ecology/#programtext)
- Master of Arts (http://catalog.unc.edu/graduate/schools-departments/environment-ecology/#programtext)

Requirements

In addition to the program requirements listed below, students must:
- take at least nine hours of their minor 'core' requirements at UNC–Chapel Hill
- earn a minimum of 12 hours of C or better in the minor (some minors require more)

For more information, please consult the degree requirements section of the catalog (http://catalog.unc.edu/undergraduate/general-education-curriculum-degree-requirements/#degreerequirements).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENEC 210</td>
<td>Energy in a Sustainable Environment Seminar</td>
<td>1</td>
</tr>
<tr>
<td>or ENEC 204</td>
<td>Environmental Seminar</td>
<td></td>
</tr>
<tr>
<td>or ENEC 593</td>
<td>Environmental Practicum</td>
<td></td>
</tr>
<tr>
<td>ENEC 330</td>
<td>Principles of Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>or ENEC 431</td>
<td>Sustainable Cities: Exploring Ways of Making Cities More Sustainable</td>
<td></td>
</tr>
</tbody>
</table>

One of the following:
- ENEC 393 Internship in Sustainability
- ENEC 493 Environmental Internship (for at least three credits)
- ENEC 698 Capstone: Analysis and Solution of Environmental Problems

Three elective courses chosen from: 9-12
- BUSI 507 Sustainable Business and Social Enterprise H
- COMM 375 Environmental Advocacy
- ENEC 201 Introduction to Environment and Society H
- ENEC 202 Introduction to the Environmental Sciences
- ENEC/MASC 220 North Carolina Estuaries: Environmental Processes and Problems
- ENEC/GEOG 264 Conservation of Biodiversity in Theory and Practice
- ENEC 305 Data Analysis and Visualization of Social and Environmental Interactions
- ENEC 307 Energy and Material Flows in the Environment and Society
- ENEC/GEOL 324 Water in Our World: Introduction to Hydrologic Science and Environmental Problems
- ENEC 325 Water Resource Management and Human Rights H
- ENEC 350 Environmental Law and Policy
- ENEC 351 Coastal Law and Policy
- ENEC 370 Agriculture and the Environment H
- ENEC/PLCY 372 Global Environment: Policy Analysis and Solutions
- ENEC 405 Mountain Preservation
- ENEC 407 Principles of Energy Conversion
- ENEC/PLAN 420 Community Design and Green Architecture
- ENEC 432 Environmental Life Cycle Assessment
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENEC/MASC 448</td>
<td>Coastal and Estuarine Ecology</td>
</tr>
<tr>
<td>ENEC 462</td>
<td>Ecosystem Management</td>
</tr>
<tr>
<td>ENEC/BUSI 463</td>
<td>Business and the Environment&lt;sup&gt;H&lt;/sup&gt;</td>
</tr>
<tr>
<td>ENEC/ENVR 470</td>
<td>Environmental Risk Assessment</td>
</tr>
<tr>
<td>ENEC/MASC 471</td>
<td>Human Impacts on Estuarine Ecosystems</td>
</tr>
<tr>
<td>ENEC 474</td>
<td>Sustainable Coastal Management</td>
</tr>
<tr>
<td>ENEC 479</td>
<td>Landscape Analysis</td>
</tr>
<tr>
<td>ENEC/PLCY 480</td>
<td>Environmental Decision Making</td>
</tr>
<tr>
<td>ENEC 490</td>
<td>Special Topics in Environmental Science and Studies&lt;sup&gt;H&lt;/sup&gt;</td>
</tr>
<tr>
<td>ENEC 510</td>
<td>Policy Analysis of Global Climate Change</td>
</tr>
<tr>
<td>ENEC/PLCY 520</td>
<td>Environment and Development</td>
</tr>
<tr>
<td>ENEC/ENVR 522</td>
<td>Environmental Change and Human Health</td>
</tr>
<tr>
<td>ENEC 547</td>
<td>Energy, Transportation, and Land Use</td>
</tr>
<tr>
<td>ENEC/MEJO 565</td>
<td>Environmental Storytelling</td>
</tr>
<tr>
<td>ENEC 567</td>
<td>Ecological Analyses and Application</td>
</tr>
<tr>
<td>ENEC/PLAN 641</td>
<td>Watershed Planning</td>
</tr>
<tr>
<td>ENEC 675</td>
<td>Environmental Communication and the Public Sphere</td>
</tr>
<tr>
<td>ENEC/ENVR/PLAN/PLCY 686</td>
<td>Policy Instruments for Environmental Management</td>
</tr>
<tr>
<td>ENEC 698</td>
<td>Capstone: Analysis and Solution of Environmental Problems</td>
</tr>
<tr>
<td>ENVR 600</td>
<td>Environmental Health</td>
</tr>
<tr>
<td>GEOG 237</td>
<td>Natural Resources</td>
</tr>
<tr>
<td>GEOG 334</td>
<td>Human Ecology of Health and Disease</td>
</tr>
<tr>
<td>GEOG 370</td>
<td>Introduction to Geographic Information</td>
</tr>
<tr>
<td>GEOL/MASC 223</td>
<td>Geology of Beaches and Coasts</td>
</tr>
<tr>
<td>PHYS 131 &amp; 131L</td>
<td>Energy: Physical Principles and the Quest for Alternatives to Dwindling Oil and Gas and Energy: Physical Principles and the Quest for Alternatives to Dwindling Oil and Gas</td>
</tr>
<tr>
<td>PLAN 246</td>
<td>Cities of the Past, Present, and Future: Introduction to Planning</td>
</tr>
<tr>
<td>PLAN 247</td>
<td>Solving Urban Problems</td>
</tr>
<tr>
<td>PLAN 636</td>
<td>Urban Transportation Planning</td>
</tr>
<tr>
<td>PLCY 360</td>
<td>State and Local Politics</td>
</tr>
</tbody>
</table>

Total Hours: 16-19

<sup>H</sup> Honors version available. An honors course fulfills the same requirements as the nonhonors version of that course. Enrollment and GPA restrictions may apply.

<sup>1</sup> If both ENEC 330 and ENEC 431 are taken, the second course may satisfy the elective requirement.

See the program page here [http://catalog.unc.edu/undergraduate/programs-study/environmental-studies-major-ba/#opportunitiestext](http://catalog.unc.edu/undergraduate/programs-study/environmental-studies-major-ba/#opportunitiestext) for special opportunities.