SUSTAINABILITY DUAL MAJOR

https://www.unh.edu/sustainability/program/sustainability-dual-major

Description

You love our forests, oceans, and lakes. You care about equity and social justice. You’re curious about clean energy. The sustainability dual major is a unique opportunity to enhance your impact and the value of your degree. As a science and practice, sustainability seeks solutions to our world’s greatest challenges while ensuring social, economic, and environmental wellbeing at local to global scales. You can pair the dual major with any other major on campus, developing the knowledge and skills you’ll need to problem-solve and create a world where people and nature can thrive – now and in the future.

Requirements

Degree Requirements

Minimum Credit Requirement: 128 credits

Minimum Residency Requirement: 32 credits must be taken at UNH

Minimum GPA: 2.0 required for conferral*

Core Curriculum Required: Discovery & Writing Program Requirements

Foreign Language Requirement: Yes, if primary major is a Bachelor of Arts

Declared Primary Major

All Major, Option and Elective Requirements as indicated.

*Major GPA requirements as indicated.

Sustainability Dual Major Requirements

The dual major requires 32 credits, including core and elective courses, and a capstone experience.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUST 401</td>
<td>Exploring Sustainability</td>
<td>4</td>
</tr>
<tr>
<td>SUST 501</td>
<td>Sustainability in Action</td>
<td>4</td>
</tr>
<tr>
<td>SUST 570</td>
<td>Sustainability Capstone</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Select 20 credits of elective courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>32</td>
</tr>
</tbody>
</table>

1 All SUST majors will take at least one (1) elective course from the natural & biological sciences list and at least one (1) elective course from the social science and humanities list.

Code  Title                                      Credits

APPROVED ELECTIVE COURSES

Natural Biological Systems

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOL 541W</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>CEE 505</td>
<td>Introduction to Sustainable Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CEE 520</td>
<td>Environmental Pollution and Protection: A Global Context</td>
<td>4</td>
</tr>
<tr>
<td>CEE 706</td>
<td>Environmental Life Cycle Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CEE 719</td>
<td>Green Building Design</td>
<td>3</td>
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<tbody>
<tr>
<td>CEE 560</td>
<td>Sub-Saharan Africa: Environmental Politics and Development</td>
<td>4</td>
</tr>
<tr>
<td>CEE 567</td>
<td>Natural Hazards and Human Disasters</td>
<td>4</td>
</tr>
<tr>
<td>CEE 566</td>
<td>Designing Sustainable Places</td>
<td>4</td>
</tr>
<tr>
<td>CEE 574</td>
<td>Global Landscapes and Environmental Processes</td>
<td>4</td>
</tr>
<tr>
<td>ESCI 502</td>
<td>Beaches and Coasts</td>
<td>4</td>
</tr>
<tr>
<td>ESCI 765</td>
<td>Paleoclimatology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 572</td>
<td>Geography of the Natural Environment</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 670</td>
<td>Climate and Society</td>
<td>4</td>
</tr>
<tr>
<td>HLS 580</td>
<td>Environmental and Human Security</td>
<td>4</td>
</tr>
<tr>
<td>MAR 705</td>
<td>Introduction to Marine Policy Understanding US Ocean, Coastal and Great Lakes Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

MEFR 702 | Sustainable Marine Fisheries | 4 |

MEFR 772 | Fisheries Biology Conservation and Management | 4 |

NR 435 | Contemporary Conservation Issues and Environmental Awareness | 4 |

NR 562 | Forest Ecosystems and Environmental Change | 4 |

NR 507 | Introduction to our Energy System and Sustainable Energy | 4 |

NR 650 | Principles of Conservation Biology | 4 |

NR 703 | Watershed Water Quality Management | 4 |

NR 785 | Systems Thinking for Sustainable Solutions | 4 |

NUTR 595 | Mediterranean Diet and Culture | 4 |

NUTR 730 | From Seed to Sea: Examining Sustainable Food Systems | 4 |

SAFS 405 | Sustainable Agriculture and Food Production | 4 |

SAFS 410 | A Taste of the Topics | 4 |

SAFS 502 | Agroecology | 4 |

SAFS 632 | Urban Agriculture | 4 |

SUST 606 | Sustainability Independent Study | 4-4 |

SUST 605 | Sustainability Internship | 1-4 |

Social Systems & Humanities

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADMN 4444</td>
<td>Business for People, Planet, and Profits</td>
<td>4</td>
</tr>
</tbody>
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ANTH 4956 | Globalization and Global Population Health | 4 |

ANTH 697 | Special Topics | 4 |

CMN 540 | Special Topics in Communication (Introduction to Civil Discourse) | 4 |

DIS 620 | Topics in Decision Sciences (Supply Chain Management) | 1-4 |

CLAS 540A | Environment, Technology and Ancient Society: Sustaining Ancient Rome Ecology and Empire | 4 |

ECO 633 | Microfinance | 4 |

ECON 706 | Economics of Climate Change | 4 |

ENGL 4521 | Nature Writers | 4 |

ENGL 736 | Environmental Theory | 4 |

ENGL 787 | English Major Seminar | 4 |

ERE 444 | The New Pirates of the Caribbean | 4 |

ERE 522 | Introduction to Natural Resource Economics | 4 |

FIN 6620 | Topics in Finance I | 4 |

FIN 720 | Topics in Finance II (The Finance of CSR and ESG Investing) | 4 |

GEOG 405 | There Is No Planet B | 4 |

GEOG 500 | Making Change: Social and Environmental Justice in Practice | 4 |

GEOG 581 | Society, Environment and Justice | 4 |

GEOG 650 | Field Research | 4 |

GEOG 673 | Political Ecology | 4 |

GEOG 701 | Environmental Justice | 4 |

HMP 501 | Epidemiology and Community Medicine | 4 |

HMP 715 | Environmental Health | 4 |

IA 401 | International Perspectives | 4 |

INCO 505A | Becoming a Problem Solver | 4 |

INCO 505B | Social Innovator's Toolbox | 4 |

INCO 505I | Internship: Semester in the City (Boston) or Semester for Impact (NH) | 8 |

MKTG 620 | Topics in Marketing (Sustainability and Marketing) | 4 |

NAIS 400 | Introduction to Native American and Indigenous Studies | 4 |

NR 602 | Natural Resources and Environmental Policy | 4 |

NR 640 | Economics of Forestry | 4 |

NR 720 | International Environmental Politics and Policies for the 21st Century | 4 |

NR 724 | Resolving Environmental Conflicts | 4 |

NR 784 | Sustainable Living - Global Perspectives | 4 |

NR 787 | Advanced Topics in Sustainable Energy | 4 |
Sustainability Dual Major

PHIL 431 Business Ethics 4
PAUL 670 BIP-Analytical Intelligence Topics (B-Impact Clinic, Carbon Clinic) 2
PHIL 490 Environmental Ethics 4
POLT 444 Politics and Policy in a Warming World 4
POLT 548 Drug Wars 4
POLT 770 Politics of Poverty 4
POLT 771 Comparative Environmental Politics and Policy 4
RMP 511 Issues of Wilderness and Nature in American Society 4
SOC 444A Honors/Society in the Arctic 4
SOC 450 Contemporary Social Problems 4
SOC 565 Environment and Society 4
SOC 665 Environmental Sociology 4
SOC 693 Global Change and Social Sustainability 4
SOC 730 Communities and the Environment 4
SUST 600 Sustainability Independent Study 1-4
SUST 605 Sustainability Internship 1-4
SW 440A Honors/Healthy Communities: Environmental Justice and Social Change 4
TOUR 767 Social Impact Assessment 4
WS 565 Survey in Women's Studies 4
WS 798 Colloquium 4

Student Learning Outcomes

Comprehend grand challenges

• Students gain knowledge of the fundamental aspects of complex sustainability challenges.

Think in systems

• Students have an ability to analyze and synthesize the interconnections among environmental, social, and economic aspects of complex systems, as well as how problems manifest at different scales (local to global) and at different times (connections between past, present, and future).

Advocate for values

• Students can identify, assess, respect, and navigate the diverse values, interests, and types of knowledge inherent in sustainability challenges, while simultaneously addressing power imbalances and promoting social justice.

Apply knowledge to a lifetime of action

• Personal practice: Students understand how sustainability impacts their lives and can assess how their actions impact sustainability at personal, institutional, and societal levels.
• Professional practice: All students, regardless of major, understand how their professional work contributes to sustainable communities, can apply disciplinary and other forms of knowledge and skills to contribute to sustainable solutions.
• Collaborative practice: Students learn how to collaborate across disciplines and across sectors to jointly determine project goals, create knowledge, and develop innovative and effective solutions to sustainability challenges.