SUSTAINABILITY DUAL MAJOR

https://www.unh.edu/sustainability/sdm

Description

Students from any UNH college or major can pair the sustainability dual major with their first major. From local to global, you'll learn to analyze, evaluate, and create new ideas and models around sustainability. As a cross-disciplinary and applied field of study and practice, you'll make connections across issues of science and ethics, policy and technology, and culture and history to better understand and take action on pressing issues of our time. Solving real-life problems requires the skills and perspectives of people from multiple disciplines and backgrounds. A sustainability dual major provides the skills and knowledge needed to understand these systems, identify relevant environmental and social issues, and become agents of change in a complex world.

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.

Code	Title	Credits
Complete the following SUST courses (in order):		
SUST 401	Exploring Sustainability	4
SUST 501	Sustainability in Action	4
SUST 750	Sustainability Capstone	4
Select 20 credits of elective courses [1]		20
Total Credits		**32**

[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.

Approved Electives

Code	Title	Credits
Natural Biological Systems		
BIOL 541W	Ecology	0 or 4
CEE 520	Environmental Pollution and Protection: A Global Context	4
CEE 705	Introduction to Sustainable Engineering	3
CEE 706	Environmental Life Cycle Assessment	3
CEE 719	Green Building Design	3
ECOG 401	Introduction to Ecogastronomy	4
ESCI 405	Global Environmental Change	4
ESCI 765	Paleoclimatology	3
GEOG 572	Geography of the Natural Environment	4
GEOG 670	Climate and Society	4
HLS 580	Environmental and Human Security	4
MARI 705	Introduction to Marine Policy: Understanding US Ocean, Coastal and Great Lakes Policy	3
MEFB 702	Sustainable Marine Fisheries	4
MEFB 772	Fisheries Biology: Conservation and Management	4
NR 435	Contemporary Conservation Issues and Environmental Awareness	4
NR 502	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 Tropics	4
SAFS 502	Agroecology	4
SAFS #510	Agriculture and Development in the Neotropics	4
SAFS 632	Urban Agriculture	4
SUST 600	Sustainability Independent Study	1-4
SUST 605	Sustainability Internship	1-4
Social Systems & Humanities		
ADMN 444	Business for People, Planet, and Profits	4
ANTH 695	Globalization and Global Population Health	4
ANTH 697	Special Topics	4
DS 620	Topics in Decision Sciences (Supply Chain Management)	1-4
CLAS 540A	Environment, Technology and Ancient Society: Sustaining Ancient Rome Ecology and Empire	4
ECON 633	Microfinance	4
ECON 706	Economics of Climate Change	4
ENGL 521	Nature Writers	4
ENGL 736	Environmental Theory	4
ENGL 787	English Major Seminar	4
EREC 444	The New Pirates of the Caribbean	4
EREC 572	Introduction to Natural Resource Economics	4
EREC #760	Ecological-Economic Modeling for Decision Making	4
FIN 620	Topics in Finance I	2-4
FIN 720	Topics in Finance II (The Finance of CSR and ESG Investing)	4
GEOG 405	There Is No Planet B	4
GEOG 590	Field Research	4
GEOG 673	Political Ecology	4
GEOG 685	Population and Development	4
HMP 501	Epidemiology and Community Medicine	4
HMP 715	Environmental Health	4
INCO 505A	Semester in the City Becoming a Problem Solver	4
INCO 505B	Social Innovator's Toolbox	4
INCO 505I	Semester in the City: Boston and SITC @ UNH Internship	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 643	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
PHIL 431	Business Ethics	4
PAUL 670	BiP-Analytical Intelligence Topics (B-Impact Clinic, Carbon Clinic)	2
PHIL 450	Environmental Ethics	4
POLT 444	Politics and Policy in a Warming World	4
POLT 548	Drug Wars	4
POLT 750	Politics of Poverty	4

POLT 751	Comparative Environmental Politics and Policy	4
RMP 511	Issues of Wilderness and Nature in American Society	4
RUSS #425M	Topics in Russian Culture and Society in Moscow	4
SOC 444A	Honors/Society in the Arctic	4
SOC 565	Environment and Society	4
SOC 665	Environmental Sociology	4
SOC 730	Communities and the Environment	4
SUST 600	Sustainability Independent Study	1-4
SUST 605	Sustainability Internship	1-4
TOUR 767	Social Impact Assessment	4
WS 505	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.