

SUSTAINABLE ENVIRONMENTAL SYSTEMS MINOR

The Sustainable Environmental Systems minor applies the principles of sustainability science, systems thinking, and the environmental sciences to help society move towards a more sustainable future. Topics include ecological systems, natural resources management, environmental ethics and cultural interactions, as well as selected economics and business perspectives. A maximum of three credits towards the minor may be transfer credits of courses equivalent to University of Connecticut courses. A maximum of six credits in the minor may be part of the major. Students cannot receive the minor within the same Environmental Sciences degree concentration.

Requirements

Total of at least 15 credits at the 2000-level or above as follows:

- I. Core courses (nine credits). All minors must take one course from areas A, B, and C. Additional core courses in a single category can be applied to the additional minor requirements beyond the core requirements. The same course cannot be used to fulfill more than one area.

A. Resource Management:

Course	Title	Credits
EEB 2208E	Introduction to Conservation Biology	3
GEOG 3340	Environmental Planning and Management	3
MARN 3030	Coastal Pollution and Bioremediation	3
NRE 2010	Natural Resources Measurements	3
NRE 2215E	Introduction to Water Resources	3
NRE 2345	Introduction to Fisheries and Wildlife	3
NRE 3105	Wetlands Biology and Conservation	3
NRE 3125	Watershed Hydrology	3
NRE 3305	African Field Ecology and Renewable Resources Management	4
NRE 3335	Wildlife Management	3
NRE 3345/3345W	Wildlife Management Techniques	4
NRE 3500	Exurban Silviculture	4
NRE 3535	Remote Sensing of the Environment	3
NRE 4255	Water Quality Management	3
NRE 4335	Fisheries Management	3
NRE 4575		4

B. Ecological Systems:

Course	Title	Credits
EEB 2244E	General Ecology	4
or EEB 2244WE	General Ecology	
EEB 4230W	Methods of Ecology	4
EEB 3230/ MARN 3014	Marine Biology	3
NRE 2455	Forest Ecology	3

NRE 4205	Stream Ecology	3
NRE 4340	Ecotoxicology	3

C. Ethics, Values, and Culture:

Course	Title	Credits
ANTH 3339		3
ENGL 3240E	American Nature Writing	3
ENGL 3715E	Nature Writing Workshop	3
GEOG 3410E	Human Modifications of Natural Environments	3
HIST 3540E/3540WE	Environmental History of the Americas	3
HIST 3542E	New England Environmental History	3
JOUR 3046E	Environmental Journalism	3
PHIL 3216E/3216WE	Environmental Ethics	3
SOCI 2701E	Sustainable Societies	3
SOCI 2705E	Sociology of Food	3
SOCI 2707/2707W	Energy, Environment, and Society	3
SOCI 2709E	Society and Climate Change	3

- II. Six additional credits from the following areas: Choose at least three credits from two of the three areas D-F. Courses cannot be used to fulfill more than one area.

D. Built Systems:

Course	Title	Credits
AH 3175E	Environmental Health	3
GEOG 2400E	Introduction to Sustainable Cities	3
LAND 3230WE	Sustainable Environmental Planning and Landscape Design	3
NRE 3265	Sustainable Urban Ecosystems	3

E. Governance and Policy:

Course	Title	Credits
AH 3174		3
ARE 2235		3
ARE 2434E	Environmental and Resource Policy	3
ARE 3437E	Marine Fisheries Economics and Policy	3
ARE 4438E	Valuing the Environment	3
ARE 4462E	Environmental and Resource Economics	3
ECON/MAST 2467E	Economics of the Oceans	3
EVST/POLS 3412	Global Environmental Politics	3
GEOG 3320W	Environmental Evaluation and Assessment	3
MAST/POLS 3832	Maritime Law	3
NRE 3000	Human Dimensions of Natural Resources	3
NRE 3201	Conservation Law Enforcement	3
NRE 3245E	Environmental Law	3
SOCI 2707/2707W	Energy, Environment, and Society	3

F. Economics and Business:

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Course	Title	Credits
ARE 2235		3
ARE 4305	Sustainable Economic Development	3
ARE 4438E	Valuing the Environment	3
ARE 4444	Economics of Energy, Climate, and the Environment	3
ARE 4462E	Environmental and Resource Economics	3
ECON/MAST 2467E	Economics of the Oceans	3
ECON 3466E	Environmental Economics	3
ECON 3473/3473W	Economic Development	3

The minor is offered jointly by the College of Liberal Arts and Sciences and the College of Agriculture, Health and Natural Resources.