

UConn | COLLEGE OF AGRICULTURE, HEALTH AND NATURAL RESOURCES

PLAN OF STUDY

Catalog Year 2026-2027

Global Environmental Change MINOR

CATALOG STATEMENT: The Global Environmental Change minor provides a comprehensive understanding of earth's interconnected environmental systems and the consequences of those changes to human well-being. Topics include climate change, land and ocean use, governance and policy, and related subjects in natural sciences. A maximum of three credits towards the minor may be the transfer credits of courses equivalent to University of Connecticut courses. A maximum of six credits in the minor may be part of the major. This minor is offered jointly by the College of Liberal Arts and Sciences and the College of Agriculture, Health, and Natural Resources.

REQUIREMENTS: Total of at least 15 credits 2000-level or above, including one course from each area A-E. The same course cannot be used to fulfill more than one area.

A: Climate Change and its Impacts:

Dept.	No.	Course Title	Credits
ERTH	□ 2010	Earth History and Global Change	3
ERTH	□ 2800E	Our Evolving Atmosphere	3
ERTH	□ 3850	Paleoclimatology	3
GSCU	□ 3300	Climate and Weather	3
MARN	□ 3000E	The Oceans and Global Climate	3
NRE	□ 2146	Climatology	3
NRE	□ 2600E	Global Sustainable Natural Resources	3
NRE	□ 3115	Air Pollution	3
NRE	□ 4170	Climate-Human-Ecosystem Interactions	3
NRE	□ 4180	Climate Change Adaptation Science	3
PLSC	□ 2100E	Environmental Sustainability of Food Production in Developed Countries	3
PLSC	□ 2500E	Principles and Concepts of Agroecology	3

B: Land and Ocean Use and its Impact:

Dept.	No.	Course Title	Credits
EEB	□ 2100E	Global Change Ecology	3
EEB	□ 2208E	Introduction to Conservation Biology	3
EEB	□ 2222E	Plants in a Changing World	3
ERTH	□ 2020	Earth Surface Processes	3
ERTH/MARN	□ 2230	Beaches and Coasts	3
ERTH/GSCU	□ 2310E	Creating and Sustaining National Parks	3
ERTH - or - NRE	□ 4735 □ or 4135	Introduction to Ground Water Hydrology	4
GSCU	□ 3810E	Human Modifications of Natural Environment	3
MARN	□ 3001	Foundations of Marine Science	3
MARN	□ 3030	Coastal Pollution and Bioremediation	3
MARN	□ 4066	River Influences on the Marine Environment	3
NRE	□ 2215E	Introduction to Water Resources	3
NRE	□ 2345	Introduction to Fisheries and Wildlife	3

NRE	□ 2600E	Global Sustainable Natural Resources	3
NRE	□ 3105	Wetlands Biology and Conservation	3
NRE	□ 3115	Air Pollution	3
NRE	□ 4255	Water Quality Management	3
NRE	□ 4340	Ecotoxicology	3

C: Natural Sciences:

Dept.	No.	Course Title	Credits
CHEM	□ 4370	Environmental Chemistry – Atmosphere	3
EEB	□ 2244E/WE	General Ecology	4
EEB	□ 2245/W	Evolutionary Biology	3
EEB - or – MARN	□ 3230 □ or 3014	Marine Biology	3
EEB/ERTH	□ 4120	Paleobiology	4
ERTH	□ 3110	Sedimentology and Stratigraphy	3
ERTH	□ 3210	Glacial Processes and Materials	3
ERTH	□ 4440	Dates and Rates in Earth and Environmental Science	3
ERTH	□ 4720	Environmental Geochemistry	3
GSCU	□ 2300E	Introduction to Physical Geography	3
GSCU	□ 4340	Biogeography	3
MARN	□ 4030W	Chemical Oceanography	3
MARN	□ 4060	Physical Oceanography	3
MARN	□ 4202Q	Models of the Ocean Carbon Cycle	4
NRE	□ 2455	Forest Ecology	3
NRE	□ 3125	Watershed Hydrology	3
NRE	□ 3145	Meteorology	3
NRE	□ 4150	Stream Ecology	3
NRE	□ 4205	Stream Ecology	3
PLSC	□ 2120	Environmental Soil Science	3
PLSC	□ 3210E	Fungi, Fire, and Flood: Soil Microbes in a Changing World	3

D: Methods:

Dept.	No.	Course Title	Credits
CE	□ 2251	Probability and Statistics in Civil and Environmental Engineering	3
CE/ENVE - or - ERTH	□ 3530 □ or 3710	Engineering and Environmental Geology	3
EEB	□ 3266	Field Herpetology	3
EEB	□ 4100	Big Data Science for Biologists	4
EEB	□ 4230W	Methods of Ecology	4
EEB	□ 4262	Field Methods in Ornithology	3
ERTH	□ 4150	Applied Data Analysis in Earth Science	3

ERTH	□ 4430	Stable Isotope Biogeochemistry	3
ERTH	□ 4510	Applied and Environmental Geophysics	3
ERTH	□ 4710	Environmental Site Assessment	3
ERTH - or - NRE	□ 4735 □ or 4135	Introduction to Ground Water Hydrology	3
ERTH	□ 4810	Modeling the Changing Atmosphere and Ocean	3
GSCU	□ 2500	Introduction to Geographic Information Systems	3
GSCU/ERTH	□ 3430	GIS and Remote Sensing for Geoscience Applications	4
GSCU	□ 3500Q	Geographic Data Analysis	3
GSCU	□ 3505	Remote Sensing of Marine Geography	3
MARN	□ 4202Q	Models of the Ocean Carbon Cycle	4
NRE	□ 2000	Introduction to Geomatics	3
NRE	□ 2010	Natural Resources Measurements	3
NRE	□ 3305	African Field Ecology and Renewable Resources Management	4
NRE	□ 3345/W	Wildlife Management Techniques	4
NRE	□ 3535	Remote Sensing of the Environment	3
NRE	□ 4335	Fisheries Management	3
NRE	□ 4475	Forest Management	4
NRE	□ 4535	Remote Sensing Image Processing	3
NRE	□ 4665	Natural Resources Modeling	3
PHYS	□ 2400	Mathematical Methods for Physical Sciences	3
STAT	□ 2215Q	Introduction to Statistics II	3
STAT	□ 3025Q	Statistical Methods	3

E: Governance and Policy – at least THREE credits from the following courses:

Dept.	No.	Course Title	Credits
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 Ocean	3
ENVS/EVST/ENVE	□ 3100	Climate Resilience and Adaptation: Municipal Policy and Planning	3
ERTH	□ 2300E	The Energy Transition	3
GSCU	□ 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
POLS/EVST	□ 3412	Global Environmental Politics	3
SOCI	□ 2707/W	Energy, Environment, and Society	3

- Students must earn a grade of “C” (2.0) or higher in each individual course listed above.
- A maximum of 3 credits toward the minor may be transfer credits of courses equivalent to UConn courses.
- A maximum of 6 credits in the minor may be part of the major. Students cannot receive the minor within the same Environmental Sciences degree concentration.
- Students must complete all requirements for a baccalaureate degree. Once the minor has been declared, it will appear on the student’s transcript.

MINOR ADVISOR: For more information on the minor or approval on the final Plan of Study for the minor, please contact Sara Tremblay at sara.tremblay@uconn.edu or 860-486-5218.

DECLARATION PROCEDURE: Students who wish to declare this minor must submit the [CLAS Online Program Change Form](#).

APPROVAL: A plan of study for the minor signed by the department or program head, director, or faculty designee must be submitted to the Office of the Registrar via the Student Administration System during the first four weeks of the semester in which the student expects to graduate. For instructions, consult the [UConn Knowledgebase](#).