

UConn | COLLEGE OF AGRICULTURE, HEALTH AND NATURAL RESOURCES

PLAN OF STUDY

Catalog Year 2025-2026

Global Environmental Change MINOR

CATALOG STATEMENT: This minor provides a comprehensive understanding of the earth's interconnected environmental systems and the consequences of those changes to human well-being. This minor is offered jointly by the College of Liberal Arts and Sciences and the College of Agriculture, Health, and Natural Resources.

REQUIREMENTS: All students are required to complete at least 15 credits of 2000-level or above coursework, 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 – at least THREE credits from the following courses:

Dept.	No.	Course Title	Credits
ERTH	□ 2010	Earth History and Global Change	3
GEOG	□ 3400	Climate and Weather	3
MARN	□ 3000E	The Oceans and Global Climate	3
NRE	□ 2146	Climatology	3
NRE	□ 3115	Air Pollution	3
NRE	□ 4170	Climate-Human-Ecosystem Interactions	3

B: Land and Ocean Use and its Impact – at least THREE credits from the following courses:

Dept.	No.	Course Title	Credits
EEB	□ 2208E	Introduction to Conservation Biology	3
ERTH	□ 2020	Earth Surface Processes	3
ERTH/MARN	□ 2230	Beaches and Coasts	3
ERTH - or - NRE	□ 4735 □ or 4135	Introduction to Ground Water Hydrology	3
GEOG	□ 3410	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	□ 3105	Wetlands Biology and Conservation	3
NRE	□ 3115	Air Pollution	3
NRE	□ 4340	Ecotoxicology	3

C: Natural Sciences – at least *THREE* credits from the following courses:

Dept.	No.	Course Title	Credits
CHEM	□ 4370	Environmental Chemistry – Atmosphere	3
CHEM	□ 4371	Environmental Chemistry – Hydrosphere	3
EEB	□ 2244E/WE	General Ecology	3
EEB	□ 2245/W	Evolutionary Biology	3
EEB - or - MARN	□ 3230 □ <u>or</u> 3014	Marine Biology	3
EEB/ERTH	□ 4120	Paleobiology	3
ERTH	□ 3110	Sedimentology and Stratigraphy	3
GEOG	□ 2300E	Introduction to Physical Geography	3
GEOG	□ 4210	Urban and Regional Planning	3
MARN	□ 4030W	Chemical Oceanography	3
MARN	□ 4060	Physical Oceanography	3
MARN	□ 4202Q	Models of the Ocean Carbon Cycle	3
NRE	□ 2455	Forest Ecology	3
NRE	□ 3125	Watershed Hydrology	3
NRE	□ 3145	Meteorology	3
NRE	□ 4205	Stream Ecology	3
PLSC	□ 2120	Environmental Soil Science	3
PLSC	□ 3420	Soil Chemistry Components	3

D: Methods – at least *THREE* credits from the following courses:

Dept.	No.	Course Title	Credits
CE	□ 2251	Probability and Statistics in Civil and Environmental Engineering	3
CE/ENVE - or - ERTH	□ 3530 □ <u>or</u> 3710	Engineering and Environmental Geology	3
EEB	□ 4230W	Methods of Ecology	3
ERTH - or - NRE	□ 4735 □ <u>or</u> 4135	Introduction to Ground Water Hydrology	3
GEOG/ERTH	□ 3430	GIS and Remote Sensing for Geoscience Applications	3
GEOG	□ 3500Q	Geographic Data Analysis	3
GEOG/MARN	□ 3505	Remote Sensing of Marine Geography	3
MARN	□ 4202Q	Models of the Ocean Carbon Cycle	3
NRE	□ 2000	Introduction to Geomatics	3
NRE	□ 2010	Natural Resources Measurements	3
NRE	□ 3305	African Field Ecology and Renewable Resources Management	3
NRE	□ 3345/W	Wildlife Management Techniques	3
NRE	□ 3535	Remote Sensing of the Environment	3

NRE	□ 4335	Fisheries Management	3
NRE	□ 4475	Forest Management	3
NRE	□ 4535	Remote Sensing Image Processing	3
NRE	□ 4544	Land Surveying for Environmental Management and Planning	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
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
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](#).