

PLAN OF STUDY Catalog Year 2025-2026 NATURAL RESOURCES MAJOR

This Plan of Study (plan) is used as a *worksheet* during initial registration and every subsequent semester to determine minimum requirements and progress toward completing the degree.

- In your final year, you will submit a final plan of study electronically through the Student Administration System. For more information, visit the [Registrar's Steps to a Successful Graduation](#).
- Students must complete all major and General Education or Common Curriculum course requirements and earn:
 - **At least 120 credits towards the degree**
 - **At least a 2.0 Cumulative Grade Point Average (CGPA)**
 - **At least a 2.0 Grade Point Average for ALL courses listed in the 36 credit Requirement (Part III).**
- University of Connecticut Common Curriculum Requirements are outlined in the [Undergraduate Academic Catalog](#).
- Students should use their Academic Requirements Report (accessible in Student Admin) along with this Plan of Study to view their graduation requirements and assess status toward degree. Students must be attentive to credit restrictions (repeated courses, out of sequence classes, etc.).
- Courses taken Pass/Fail may NOT be used to meet ANY degree requirements, including major requirements, General Education requirements, or Common Curriculum requirements.
- Students are responsible for knowing and understanding the rules and requirements of their degree. Always refer to the Catalog (linked above) for official regulations and ask your advisor when you need clarification.

Additional Resources:

Academic Catalog 	CAHNR Academic Policies 	CAHNR Academic Forms 	Sample Course Sequences by Major 
Navigating the Student Admin System 	Navigating HuskyCT 	Academic Achievement Center 	Center for Career Readiness and Life Skills 
The "Q" (Quantitative) Center 	The Writing Center 	Center for Students with Disabilities 	The Dean of Student's Office 

PART I: COMMON CORE CURRICULUM REQUIREMENTS

For a full listing of courses within each Topic of Inquiry (TOI), please visit the Common Curriculum page of the Undergraduate Catalog.

[Common Curriculum Requirements – Undergraduate Academic Catalog](#)



Topics of Inquiry

Requirements:

- 1. At least three credits must be passed in each Topic of Inquiry (many courses fulfill two TOI).
- 2. Students must also satisfy a Focus requirement by successfully completing either nine credits in a single TOI or nine credits within a Theme (learn more about Themes on the Common Curriculum page of the Undergraduate Catalog – linked above).
- 3. Common Curriculum courses may be counted toward the major.
- 4. Including the Focus requirement, students must pass at least 21 credits of TOI courses.
- 5. The 21 credits of TOI courses must be from at least six different subject areas as designated by subject code (e.g., ANTH). For cross-listed courses, students may count any subject code under which the course is offered toward this requirement regardless of the subject code under which they register for the course.
- 6. Students must complete at least one laboratory course designated as TOI-6L.
- 7. No more than six credits with the INTD prefix may be elected by any student to meet the Common Curriculum Requirements.

TOI-1: Creativity: Design, Expression, Innovation
TOI-2: Cultural Dimensions of Human Experiences
TOI-3: Diversity, Equity, and Social Justice
TOI-4: Environmental Literacy
TOI-5: Individual Values and Social Institutions
TOI-6: Science and Empirical Inquiry
TOI-6L: Science and Empirical Inquiry (Laboratory Course)

TOI	Dept.	Course No.	Credits
TOI-1	_____	_____	_____
TOI-2	_____	_____	_____
TOI-3	_____	_____	_____
TOI-4	_____	_____	_____
TOI-5	_____	_____	_____
TOI-6*	_____	_____	_____

FOCUS REQUIREMENT		
TOI: _____		
-- OR --		
THEME: _____		
Dept.	Course No.	Credits
_____	_____	_____
_____	_____	_____
_____	_____	_____

**At least one TOI-6L course is required*

TOI REQUIREMENTS CHECKLIST:

- ☐ At least three credits from each TOI
- ☐ 21 credits (minimum) of TOI coursework
- ☐ TOI credits completed in at least 6 different subject codes (e.g. ANTH)
 - ☐ Subject codes: _____, _____, _____, _____, _____, and _____
- ☐ One Laboratory course designated as TOI-6L: _____

Competencies

	Description	Dept.	Course No.	Credits
<input type="checkbox"/>	Foreign Languages (3 years single language in high school OR pass second course in first year college sequence)	_____	_____	_____
<input type="checkbox"/>	ENGL 1007 <u>or</u> 1010 <u>or</u> 1011	_____	_____	_____
<input type="checkbox"/>	“W” Course	_____	_____	_____
<input type="checkbox"/>	“W” Course (<i>within major</i>)	_____	_____	_____
<input type="checkbox"/>	“Q” Course	_____	_____	_____
<input type="checkbox"/>	“Q” Course (<i>MATH or STAT</i>)	_____	_____	_____

CAHNR Agriculture, Health, and Environment Requirement

Students in the College of Agriculture, Health, and Natural Resources must pass two courses (six credits) from the pre-approved list (find the list of pre-approved courses on the CAHNR Degree Requirements page of the Undergraduate Catalog). Courses must come from two different subject areas.

CAHNR Requirement Pre-Approved Courses List



Dept.	No.	Course Title	Credits
_____	_____	_____	_____
_____	_____	_____	_____

PART II: INDIVIDUAL COURSE REQUIREMENTS OF NATURAL RESOURCES MAJOR

Courses in this section that are numbered 2000-level or above may also be used to meet the 36 Credit Requirement (Part III).

ALL of the following courses:

Dept.	No.	Course Title	Credits
NRE	<input type="checkbox"/> 1000E	Environmental Science	3
NRE	<input type="checkbox"/> 2000	Introduction to Geomatics	4
NRE	<input type="checkbox"/> 2010	Natural Resources Measurements	3
NRE	<input type="checkbox"/> 3000	Human Dimensions of Natural Resources	3
NRE	<input type="checkbox"/> 4000W	Natural Resources Planning and management	3
NRE	<input type="checkbox"/> 4094	Seminar	1
BIOL	<input type="checkbox"/> 1107	Principles of Biology I	4
	<input type="checkbox"/> <u>or</u> 1108	<u>or</u> Principles of Biology II	
	<input type="checkbox"/> <u>or</u> 1110	<u>or</u> Introduction to Botany	
CHEM	<input type="checkbox"/> 1122	Chemical Principles and Applications	4
	<input type="checkbox"/> <u>or</u> 1124Q	<u>or</u> Fundamentals of General Chemistry I	
	<input type="checkbox"/> <u>or</u> 1127Q	<u>or</u> General Chemistry I	
MATH	<input type="checkbox"/> 1060Q	Precalculus	_____
	<input type="checkbox"/> <u>or</u> 1131Q	<u>or</u> Calculus I	
PLSC <i>or</i> ERTH	<input type="checkbox"/> 2120 <u>and</u> 2125	Environmental Soil Science and Soils Lab	_____
	<input type="checkbox"/> <u>or</u> 1050	<u>or</u> Earth's Dynamic Environment	
PHYS	<input type="checkbox"/> 1201Q	General Physics I	4
	<input type="checkbox"/> <u>or</u> 1401Q	<u>or</u> General Physics with Calculus I	
STAT	<input type="checkbox"/> 1100Q	Elementary Concepts of Statistics	4

Writing Competency: Students must pass NRE 4000W.

Computer Technology Competency: Students are expected to have gained additional computer technology competency in the fields of geographic information systems (GIS) and Global Positioning System (GPS) data collection and processing. Students will gain these competencies by passing NRE 2000.

Information Literacy Competency: Satisfied by required courses for major.

Natural Resource majors must also complete requirements for one or more of the following concentrations: Environmental Sustainability and Conservation (including the option for a pre-approved Education Abroad experience), Fisheries and Wildlife Conservation, Forest Resources, or Water Resources and Climate.

*At least one course in the 36-credit group must come from a department other than NRE.

ENVIRONMENTAL SUSTAINABILITY AND CONSERVATION CONCENTRATION**ALL of the following:**

Dept.	No.	Course Title	Credits
ARE or ECON	<input type="checkbox"/> 1150 <input type="checkbox"/> or 1201	Principles of Agricultural & Resource Economics or Principles of Microeconomics	3
NRE	<input type="checkbox"/> 1235E	Environmental Conservation	3
NRE	<input type="checkbox"/> 2600E	Global Sustainable Natural Resources	3
NRE or ARE	<input type="checkbox"/> 3245 <input type="checkbox"/> or 2434E	Environmental Law or Environmental and Resource Policy	3

One course from each of the following four groups (the same course cannot be used to fulfill more than one group) or Education Abroad (12 credits or equivalent completed abroad of courses pre-approved by NRE).

Sustainability Concepts – ONE of the following:

Dept.	No.	Course Title	Credits
ENVE	<input type="checkbox"/> 1000E	Environmental Sustainability	3
NRE	<input type="checkbox"/> 3265	Sustainable Urban Ecosystems	3
PLSC	<input type="checkbox"/> 2100E	Environmental Sustainability of Food Production in Developed Countries	3
SOCI	<input type="checkbox"/> 2701E	Sustainable Societies	3
SOCI	<input type="checkbox"/> 2707/W	Energy, Environment, and Society	3

Economics and Social Science – ONE of the following:

Dept.	No.	Course Title	Credits
ARE	<input type="checkbox"/> 2525	Sustainability Policy and Management	3
ARE	<input type="checkbox"/> 4438E	Valuing the Environment	3
ARE	<input type="checkbox"/> 4444	Economics of Energy, Climate, and the Environment	3
ECON	<input type="checkbox"/> 2467E	Economics of the Oceans	3
ECON	<input type="checkbox"/> 3466E	Environmental Economics	3
GEOG	<input type="checkbox"/> 3320W	Environmental Evaluation and Assessment	3
GEOG	<input type="checkbox"/> 3340	Environmental Planning and Management	3
PHIL	<input type="checkbox"/> 3216E	Environmental Ethics	3
POLS	<input type="checkbox"/> 3412	Global Environmental Politics	3
POLS	<input type="checkbox"/> 3847	The Policy-Making Process	3
SOCI	<input type="checkbox"/> 2701E	Sustainable Societies	3
SOCI	<input type="checkbox"/> 2707/W	Energy, Environment, and Society	3

Natural Resources/Ecologic Science – ONE of the following:

Dept.	No.	Course Title	Credits
EEB	<input type="checkbox"/> 2244E/WE	General Ecology	4
EEB or MARN	<input type="checkbox"/> 3230 <input type="checkbox"/> or 3014	Marine Biology	3
MARN	<input type="checkbox"/> 3000E	The Oceans and Global Climate	3
NRE	<input type="checkbox"/> 2146	Climatology	3
NRE	<input type="checkbox"/> 2455	Forest Ecology	3
NRE	<input type="checkbox"/> 3105	Wetlands Biology and Conservation	3
NRE	<input type="checkbox"/> 3125	Watershed Hydrology	3
NRE	<input type="checkbox"/> 3145	Meteorology	3
NRE	<input type="checkbox"/> 4180	Climate Change Adaptation Science	3
NRE	<input type="checkbox"/> 4205	Stream Ecology	3
NRE	<input type="checkbox"/> 4370	Population Dynamics	3
PLSC	<input type="checkbox"/> 2500E	Principles and Concepts of Agroecology	3

Resource Conservation and Management – ONE of the following:

Dept.	No.	Course Title	Credits
NRE	<input type="checkbox"/> 2550	Nature-based Outdoor Recreation Resource Management	3
NRE	<input type="checkbox"/> 3305	African Field Ecology and Renewable Resources Management	4
NRE	<input type="checkbox"/> 3335	Wildlife Management	3
NRE	<input type="checkbox"/> 4170	Climate-Human-Ecosystem Interactions	3
NRE	<input type="checkbox"/> 4255	Water Quality Management	3
NRE	<input type="checkbox"/> 4335	Fisheries Management	4
NRE	<input type="checkbox"/> 4475	Forest Management	4
NRE	<input type="checkbox"/> 4665	Natural Resources Modeling	3

OR

12 credits equivalent completed abroad: (pre-approved by NRE)

Dept.	No.	Course Title	Credits
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

FISHERIES AND WILDLIFE CONCENTRATION

ALL of the following:

Dept.	No.	Course Title	Credits
EEB	<input type="checkbox"/> 2214	Biology of Vertebrates	3
EEB	<input type="checkbox"/> 2244E/WE	General Ecology	4
NRE	<input type="checkbox"/> 2345	Introduction to Fisheries and Wildlife	3
NRE	<input type="checkbox"/> 3335 <input type="checkbox"/> <u>or</u> 4335	Wildlife Management <u>or</u> Fisheries Management	_____
NRE	<input type="checkbox"/> 3345/W <input type="checkbox"/> <u>or</u> 3385W	Wildlife Management Techniques <u>or</u> Fisheries Techniques	4
NRE	<input type="checkbox"/> 4370	Population Dynamics	3

Taxonomy/Organismal-level – ONE of the following:

Dept.	No.	Course Title	Credits
ANSC	<input type="checkbox"/> 1111	Principles of Animal Nutrition and Feeding	3
ANSC	<input type="checkbox"/> 3121	Principles of Animal Genetics	3
EEB	<input type="checkbox"/> 3254	Mammalogy	4
EEB	<input type="checkbox"/> 3265	Herpetology	4
EEB	<input type="checkbox"/> 4200	Biology of Fishes	4
EEB	<input type="checkbox"/> 4215	Physiological Ecology of Animals	3
EEB	<input type="checkbox"/> 4250	General Entomology	4
EEB	<input type="checkbox"/> 4260 <input type="checkbox"/> <u>or</u> 4261	Ornithology <u>or</u> Ornithology Lab	4
NRE	<input type="checkbox"/> 3693	Foreign Studies in Natural Resources (<i>approved by advisor</i>)	_____
NRE	<input type="checkbox"/> 4340	Ecotoxicology	3
PSYC/ EEB	<input type="checkbox"/> 3201	Animal Behavior	3
PATH	<input type="checkbox"/> 2100	Anatomy and Physiology of Animals	4
PATH	<input type="checkbox"/> 4300	Principles of Pathobiology	3

Habitat/Ecosystem-level – ONE of the following:

Dept.	No.	Course Title	Credits
NRE	<input type="checkbox"/> 2455	Forest Ecology	3
NRE	<input type="checkbox"/> 3105	Wetland Biology and Conservation	3
NRE	<input type="checkbox"/> 4205	Stream Ecology	3
NRE	<input type="checkbox"/> 3693	Foreign Studies in Natural Resources (<i>approved by advisor</i>)	1-6

FOREST RESOURCES CONCENTRATION

ALL of the following:

Dept.	No.	Course Title	Credits
NRE	<input type="checkbox"/> 2415	Dendrology	3
NRE	<input type="checkbox"/> 2455	Forest Ecology	3
NRE	<input type="checkbox"/> 3425	Fundamentals of Arboriculture	3
NRE	<input type="checkbox"/> 3500	Exurban Silviculture	4
NRE	<input type="checkbox"/> 4425	Urban and Community Forestry	3
NRE	<input type="checkbox"/> 4475	Forest Management	4

ONE of the following:

Dept.	No.	Course Title	Credits
NRE	<input type="checkbox"/> 2345	Introduction to Fisheries and Wildlife	3
NRE	<input type="checkbox"/> 2550	Nature-based Outdoor Recreation Resource Management	3
NRE	<input type="checkbox"/> 3265	Sustainable Urban Ecosystems	3
NRE	<input type="checkbox"/> 3335	Wildlife Management	3
NRE	<input type="checkbox"/> 3535	Remote Sensing of the Environment	3
NRE	<input type="checkbox"/> 3690	Field Study Internship	_____
NRE	<input type="checkbox"/> 3693	Foreign Studies in Natural Resources	_____
NRE	<input type="checkbox"/> 4335	Fisheries Management	3

ONE of the following:

Dept.	No.	Course Title	Credits
NRE	<input type="checkbox"/> 3105	Wetlands Biology and Conservation	3
NRE	<input type="checkbox"/> 3125	Watershed Hydrology	3
NRE	<input type="checkbox"/> 3693	Foreign Studies in Natural Resources	_____
NRE	<input type="checkbox"/> 4180	Climate Change Adaptation Science	3
NRE	<input type="checkbox"/> 4205	Stream Ecology	3

WATER RESOURCES AND CLIMATE CONCENTRATION

ALL of the following:

Dept.	No.	Course Title	Credits
NRE	<input type="checkbox"/> 2215E	Introduction to Water Resources	3
NRE	<input type="checkbox"/> 3125	Watershed Hydrology	3
NRE	<input type="checkbox"/> 2146	Climatology	3
	<input type="checkbox"/> <u>or</u> 3145	<u>or</u> Meteorology	

Five additional courses from among the following groups, including at least one from Hydrologic Science group and at least one from the Biological/Ecological Science group (whichever of NRE 2146 or 3145 is used to fulfill the above requirement cannot be used to also fulfill this requirement):

Hydrologic Science:

Dept.	No.	Course Title	Credits
ENVE	□ 3120	Fluid Mechanics	4
ERTH	□ 2020	Earth Surface Processes	3
MARN	□ 3000E	The Oceans and Global Climate	3
NRE	□ 4135	Introduction to Ground Water Hydrology	4
NRE	□ 4255	Water Quality Management	3
NRE	□ 5115	Field Methods in Hydrogeology	3

Biological/Ecological Science:

Dept.	No.	Course Title	Credits
NRE	□ 3105	Wetlands Biology and Conservation	3
NRE	□ 4205	Stream Ecology	3
NRE	□ 4340	Ecotoxicology	3

Atmospheric Science:

Dept.	No.	Course Title	Credits
GEOG	□ 3400	Climate and Weather	3
NRE	□ 2146	Climatology	3
NRE	□ 3115	Air Pollution	3
NRE	□ 3145	Meteorology	3
NRE	□ 4170	Climate-Human-Ecosystem Interactions	3
NRE	□ 4180	Climate Change Adaptation Science	3

Policy:

Dept.	No.	Course Title	Credits
ARE	□ 2434E	Environmental and Resource Policy	3
NRE	□ 3245E	Environmental Law	3

Related Skills:

Dept.	No.	Course Title	Credits
AH	□ 3275	HAZWOPER	3
NRE	□ 3535	Remote Sensing of the Environment	3
NRE	□ 4544	Land Surveying for Environmental Management and Planning	3

PART III: 36 CREDIT REQUIREMENT FOR ALL MAJORS¹

Each student is required to successfully complete at least 36 credits of courses that are numbered 2000-level or above in or relating to their major. These courses may also be used to meet other requirements. This group of courses must:

- 1. Total not less than 36 credits
- 2. Be numbered 2000 or above
- 3. Be approved by student's advisor and department head
- 4. Be taken at the University of Connecticut²
- 5. Include two or more departments
- 6. Include at least 15 credits from departments in the College of Agriculture, Health and Natural Resources
- 7. Have a combined Grade Point Average of at least 2.0
- 8. Not include more than 6 credits (combined) of Independent Study, Internship, or Field Studies (if included, these courses must be taken at the University of Connecticut)
- 9. Not be taken on Pass/Fail (P@ / F@)
- 10. Not include more than 6 credits of Satisfactory/Unsatisfactory (S/U) coursework

Dept.	No.	Credits

Dept.	No.	Credits

Credits from departments in CAHNR (15 required): _____

(CAHNR subject codes include AHNr, AH, ANSC, ARE, DGS, DIET, ENVS, EVST, KINS, LAND, MLSC, NRE, NUSC, PLSC, PATH, SPSS)

Total Credits in 36 credit group: _____

¹Courses taken on Pass/Fail may NOT be used to meet any requirements.

²**Residence Requirement.** It is expected that advanced course work in the major will be completed at the University of Connecticut. However, students may be eligible to use up-to six credits from other institutions in the 36-credit group if approved by their advisor and department head. These credits must be identified as courses comparable to specific University of Connecticut courses and cannot include internships, special topics, or non-specific discipline credits. Transfer students must complete at least 30 credits of 2000-level or higher course work at the University of Connecticut, including at least 15 credits in College of Agriculture, Health and Natural Resources courses.