

UCONN | COLLEGE OF AGRICULTURE, HEALTH AND NATURAL RESOURCES

PLAN OF STUDY FORM Catalog Year 2021-2022 ENVIRONMENTAL SCIENCES

DIRECTIONS

- 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. A *preliminary plan* is developed and submitted to the advisor by the end of the sophomore year (or equivalent time for transfer students).
- **A final plan must be approved by advisor and the department head, and submitted to the Degree Auditor in the Registrars Office (1st floor, Wilbur Cross Building) no later than the end of the tenth week of classes of the semester prior to the anticipated semester of graduation.**
- Students must complete all major and general education course requirements and earn:
At least 120 credits toward 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
- University of Connecticut General Education Requirements (GER), are outlined in the Academic Regulations section of the *Undergraduate Catalog*. Only approved courses may be used to meet requirements.
- Students should use their Academic Requirements Report (accessible in Student Admin) along with the 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 requirements.

STUDENT AND DEGREE INFORMATION

Must be filed out complete on your final plan of study.

Select One:

Preliminary Plan

Final Plan

Name _____ Student I.D.: _____
First Middle Last

Phone #: _____ Email Address: _____

Current Address: _____
Street City/Town State Zio Code

Month and Year of Anticipated Graduation: May August December Year: _____

Are you pursuing a double major in CAHNR: Yes No If YES, submit Double Major Attachment with final plans of study

Please list below any minors that you plan to earn and submit a final minor plan of study with your final major plan of study.

At the completion of semester you intend to graduate, will you have earned 120 or more credits? Yes No

APPROVAL SIGNATURES

Student Signature

Date

Advisor Signature

Date

Department Head's Signature

Date

**The final plan of study must be submitted to the Registrar's Office in the Wilbur Cross Building.
Please remember to keep a copy of the plan for your records.**

PART I: GENERAL EDUCATION REQUIREMENTS (GER) ¹

Courses approved to meet GER are outlined in the Academic Regulations section of the *Undergraduate Catalog*.

Courses in Content Areas 1-3 must be in 6 different departments.

One course from Content Area 4 may be used to fulfill a requirement in Content Areas 1-3.

| Content Area | Dept. | Course No. | Credits | Semester/Year | Grade |
|--|-------|------------|---------|---------------|-------|
| <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 or 1010 or 1011 | | | | _____ / _____ | _____ |
| "W" Course | | | | _____ / _____ | _____ |
| "W" Course (<i>within major</i>) | | | | _____ / _____ | _____ |
| "Q" Course | | | | _____ / _____ | _____ |
| "Q" Course (<i>MATH or STAT</i>) | | | | _____ / _____ | _____ |
| Environmental Literacy (<i>total 3 credits</i>) | | | | _____ / _____ | _____ |
| 1 Arts & Humanities (<i>total 6 credits</i>) | | | | _____ / _____ | _____ |
| | | | | _____ / _____ | _____ |
| 2 Social Sciences (<i>total 6 credits</i>) | | | | _____ / _____ | _____ |
| | | | | _____ / _____ | _____ |
| 3 Science & Technology (<i>total 6 credits – include one 4-credit laboratory course</i>) | | | | _____ / _____ | _____ |
| | | | | _____ / _____ | _____ |
| 4 Diversity & Multiculturalism (<i>total 6 credits – one must be "International" course</i>) | | | | _____ / _____ | _____ |
| | | | | _____ / _____ | _____ |

Computer Technology Competency: See major requirements

Information Literacy Competency: See major requirements

ENVIRONMENTAL SCIENCES

PART II: INDIVIDUAL COURSE REQUIREMENTS OF ENVIRONMENTAL SCIENCES MAJOR¹

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 required courses in Basic (Natural) Sciences:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|--|--|---------|---------------|-------|
| BIOL | 1107 | Principles of Biology I | 4 | _____ / _____ | _____ |
| BIOL | <input type="checkbox"/> 1108 <input type="checkbox"/> or 1110 | Principles of Biology II or Introduction to Botany | 4 | _____ / _____ | _____ |
| CHEM | <input type="checkbox"/> 1127Q and 1128Q <input type="checkbox"/> or 1124Q, 1125Q and 1126Q | General Chemistry I and II or Fundamentals of General Chemistry | _____ | _____ / _____ | _____ |
| MATH | 1131Q | Calculus I | 4 | _____ / _____ | _____ |
| MATH | 1132Q | Calculus II | 4 | _____ / _____ | _____ |
| PHYS | <input type="checkbox"/> 1201Q and 1202Q <input type="checkbox"/> or 1401Q and 1402Q | General Physics I and II or General Physics with Calculus | 8 | _____ / _____ | _____ |
| STAT | <input type="checkbox"/> 1000Q <input type="checkbox"/> or 1100Q <input type="checkbox"/> or 3025Q | Intro to Statistics I or Elementary Concepts of Statistics or Statistical Methods (Calculus Level I) | _____ | _____ / _____ | _____ |
| NRE | 1000E | Environmental Science | 3 | _____ / _____ | _____ |

*ARE 1150, ECON 1200 or 1201, GEOG 2300, GSCI 1050, and MARN 1002 are pre-requisites for several upper division course concentration options. It is the student's responsibility to ensure that all pre-requisites in the catalog for concentration courses have been satisfied.

Required Sophomore Seminar Course:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|------|--|---------|---------------|-------|
| ENVS | 2000 | Integrating Humans and the Environment | 3 | _____ / _____ | _____ |

Required Capstone Course:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|-------|---|---------|---------------|-------|
| NRE | 4000W | Natural Resources Planning and Management | 3 | _____ / _____ | _____ |

Required Internship or Research Experience (1-6 credits): (approved by advisor)

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|-------|--------------|---------|---------------|-------|
| _____ | _____ | _____ | _____ | _____ / _____ | _____ |

Writing Competency: Students must pass NRE 4000W for required 2000-level or above course approved by major.

Computer Technology Competency: Students must pass NRE 4000W.

Information Literacy Competency: Students must pass NRE 4000W.

In addition, all students majoring in Environmental Sciences must declare and fulfill the requirements of a concentration in a discipline associated with the program before graduation. Approved concentrations are listed on the following pages:

ENVIRONMENTAL SCIENCES

SUSTAINABLE SYSTEMS CONCENTRATION

Students must complete at least two courses from each of the following Knowledge Competencies. The same course cannot be used to fulfill more than one knowledge competency.

Resource Management – TWO of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|---------------------------------|--|---------|---------------|-------|
| EEB | <input type="checkbox"/> 2208E | Introduction to Conservation Biology | 3 | _____ / _____ | _____ |
| GEOG | <input type="checkbox"/> 3340 | Environmental Planning and Management | 3 | | |
| MARN | <input type="checkbox"/> 3030 | Coastal Pollution and Bioremediation | 3 | | |
| NRE | <input type="checkbox"/> 2010 | Natural Resources Measurements | 3 | | |
| NRE | <input type="checkbox"/> 2215E | Introduction to Water Resources | 3 | | |
| NRE | <input type="checkbox"/> 2345 | Introduction to Fisheries and Wildlife | 3 | | |
| NRE | <input type="checkbox"/> 2600E | Global Sustainable Natural Resources | 3 | | |
| NRE | <input type="checkbox"/> 3105 | Wetlands Biology and Conservation | 3 | | |
| NRE | <input type="checkbox"/> 3125 | Watershed Hydrology | 3 | | |
| NRE | <input type="checkbox"/> 3155 | Water Quality Management | 3 | | |
| NRE | <input type="checkbox"/> 3305 | African Field Ecology & Renewable Resource Mgmt. | 4 | _____ / _____ | _____ |
| NRE | <input type="checkbox"/> 3335 | Wildlife Management | 3 | | |
| NRE | <input type="checkbox"/> 3345/W | Wildlife Management Techniques | 4 | | |
| NRE | <input type="checkbox"/> 3500 | Exurban Silviculture | 4 | | |
| NRE | <input type="checkbox"/> 3535 | Remote Sensing of the Environment | 3 | | |
| NRE | <input type="checkbox"/> 4335 | Fisheries Management | 4 | | |
| NRE | <input type="checkbox"/> 4575 | Natural Resource Applications of GIS | 4 | | |
| SPSS | <input type="checkbox"/> 2100E | Environmental Sustainability of Food Production in Developed Countries | 3 | | |

Ecological Systems – TWO of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|----------|------------------------------------|----------------------------|---------|---------------|-------|
| EEB | <input type="checkbox"/> 2100E | Global Change Ecology | 3 | _____ / _____ | _____ |
| EEB | <input type="checkbox"/> 2222 | Plants in a Changing World | 3 | | |
| EEB | <input type="checkbox"/> 2244E/W | General Ecology | _____ | | |
| EEB | <input type="checkbox"/> 3247 | Freshwater Ecology | 4 | | |
| EEB | <input type="checkbox"/> 4230W | Methods of Ecology | 4 | | |
| EEB/MARN | <input type="checkbox"/> 3230/3014 | Marine Biology | 3 | | |
| NRE | <input type="checkbox"/> 2455 | Forest Ecology | 3 | | |
| NRE | <input type="checkbox"/> 4205 | Stream Ecology | 3 | | |
| NRE | <input type="checkbox"/> 4340 | Ecotoxicology | 3 | | |

ENVIRONMENTAL SCIENCES

Students must complete at least one course from each of the following Knowledge Competencies. The same course cannot be used to fulfill more than one knowledge competency.

Built Systems – ONE of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|---------------------------------|---|---------|---------------|-------|
| AH | <input type="checkbox"/> 3175E | Environmental Health | 3 | _____ / _____ | _____ |
| GEOG | <input type="checkbox"/> 2400E | Introduction to Sustainable Cities | 3 | | |
| NRE | <input type="checkbox"/> 3265 | Sustainable Urban Ecosystems | 3 | | |
| LAND | <input type="checkbox"/> 3230WE | Sustainable Environmental Planning & Landscape Design | 3 | | |
| NRE | <input type="checkbox"/> 4425 | Urban and Community Forestry | 3 | | |
| SPSS | <input type="checkbox"/> 3550 | Urban Plant Systems Construction and Maintenance | 3 | | |

Governance & Policy – ONE of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|----------------|---------------------------------|--|---------|---------------|-------|
| AH | <input type="checkbox"/> 3174 | Environmental Laws, Regulations and Issues | 3 | _____ / _____ | _____ |
| ARE | <input type="checkbox"/> 2235 | Marine Economics and Policy | 3 | | |
| ARE | <input type="checkbox"/> 3434E | Environmental and Resource Policy | 3 | | |
| ARE | <input type="checkbox"/> 3437E | Marine Fisheries Economics and Policy | 3 | | |
| ARE | <input type="checkbox"/> 4438E | Valuing the Environment | 3 | | |
| ARE | <input type="checkbox"/> 4462E | Environmental and Resource Economics | 3 | | |
| ECON/MAST | <input type="checkbox"/> 2467E | Economics of the Oceans | 3 | | |
| ENVS/EVST/ENVE | <input type="checkbox"/> 3100 | Climate Resilience and Adaptation | 3 | | |
| GEOG | <input type="checkbox"/> 3320W | Environmental Evaluation & Assessment | 3 | | |
| MAST/POLS | <input type="checkbox"/> 3832 | Maritime Law | 3 | | |
| NRE | <input type="checkbox"/> 3000 | Human Dimensions of Natural Resources | 3 | | |
| NRE | <input type="checkbox"/> 3201 | Conservation Law Enforcement | 3 | | |
| NRE | <input type="checkbox"/> 3245E | Environmental Law | 3 | | |
| POLS | <input type="checkbox"/> 3412 | Global Environmental Politics | 3 | | |
| SOCI | <input type="checkbox"/> 3407/W | Energy, Environment, and Society | 3 | | |

Ethics, Values, & Culture – ONE of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|--------------------------------|---|---------|---------------|-------|
| ANTH | <input type="checkbox"/> 3339 | Cultural Designs for Sustainability | 3 | _____ / _____ | _____ |
| ENGL | <input type="checkbox"/> 2635E | Literature and the Environment | 3 | | |
| ENGL | <input type="checkbox"/> 3240E | American Nature Writing | 3 | | |
| ENGL | <input type="checkbox"/> 3715E | Nature Writing Workshop | 3 | | |
| GEOG | <input type="checkbox"/> 3410 | Human Modifications of Natural Environments | 3 | | |
| GERM | <input type="checkbox"/> 2400E | The Environment in German Culture | 3 | | |

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| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-----------|---------------------------------|--|---------|---------------|-------|
| HIST | <input type="checkbox"/> 3540E | Environmental History of the Americas | 3 | _____ / _____ | _____ |
| HIST | <input type="checkbox"/> 3542 | New England Environmental History | 3 | | |
| HIST/MAST | <input type="checkbox"/> 2210E | History of the Ocean | 3 | | |
| JOUR | <input type="checkbox"/> 3046 | Environmental Journalism | 3 | | |
| LAND | <input type="checkbox"/> 2210E | The Common (Shared) Landscape of the USA | 3 | | |
| PHIL | <input type="checkbox"/> 3216E | Environmental Ethics | 3 | | |
| SOCI | <input type="checkbox"/> 2701 | Sustainable Societies | 3 | | |
| SOCI | <input type="checkbox"/> 2705 | Sociology of Food | 3 | | |
| SOCI | <input type="checkbox"/> 2709/W | Society and Climate Change | 3 | | |
| SOCI | <input type="checkbox"/> 3407/W | Energy, Environment, and Society | 3 | | |

Economics & Business - ONE of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-----------|--------------------------------|---|---------|---------------|-------|
| ARE | <input type="checkbox"/> 2235 | Marine Economics and Policy | 3 | _____ / _____ | _____ |
| ARE | <input type="checkbox"/> 4305 | Sustainable Economic Development | 3 | | |
| ARE | <input type="checkbox"/> 4438E | Valuing the Environment | 3 | | |
| ARE | <input type="checkbox"/> 4444 | Economics of Energy, Climate, and the Environment | 3 | | |
| ARE | <input type="checkbox"/> 4462E | Environmental and Resource Economics | 3 | | |
| ECON | <input type="checkbox"/> 3473 | Economic Development | 3 | | |
| ECON/MAST | <input type="checkbox"/> 2467E | Economics of the Oceans | 3 | | |
| ECON | <input type="checkbox"/> 3466E | Environmental Economics | 3 | | |

GLOBAL CHANGE CONCENTRATION

Students must complete at least two courses from each of the following Knowledge Competencies. The same course cannot be used to fulfill more than one knowledge competency.

Climate Change and its Impacts - TWO of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|--------------------------------|--------------------------------------|---------|---------------|-------|
| GEOG | <input type="checkbox"/> 3400 | Climate and Weather | 3 | _____ / _____ | _____ |
| GEOG | <input type="checkbox"/> 4300 | Advanced Physical Geography | 3 | | |
| GSCI | <input type="checkbox"/> 3010 | Earth History and Global Change | 3 | | |
| GSCI | <input type="checkbox"/> 4850 | Paleoclimatology | 3 | _____ / _____ | _____ |
| MARN | <input type="checkbox"/> 3000E | The Oceans and Global Climate | 3 | | |
| NRE | <input type="checkbox"/> 3115 | Air Pollution | 3 | | |
| NRE | <input type="checkbox"/> 3146 | Climatology | 3 | | |
| NRE | <input type="checkbox"/> 2600E | Global Sustainable Natural Resources | 3 | | |
| NRE | <input type="checkbox"/> 4170 | Climate-Human-Ecosystem Interactions | 3 | | |

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| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|--------------------------------|--|---------|---------------|-------|
| SPSS | <input type="checkbox"/> 2100E | Environmental Sustainability of Food Production in Developed Countries | 3 | | |
| SPSS | <input type="checkbox"/> 2500E | Principles and Concepts of Agroecology | 3 | | |

Land and Ocean Use and its Impacts - TWO of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-----------|------------------------------------|---|---------|---------------|-------|
| EEB | <input type="checkbox"/> 2100E | Global Change Ecology | 3 | _____ / _____ | _____ |
| EEB | <input type="checkbox"/> 2222 | Plants in a Changing World | 3 | | |
| EEB | <input type="checkbox"/> 2208E | Introduction to Conservation Biology | 3 | _____ / _____ | _____ |
| GEOG | <input type="checkbox"/> 3310 | Fluvial Geomorphology | 3 | | |
| GEOG | <input type="checkbox"/> 3410 | Human Modifications of Natural Environments | 3 | | |
| GSCI | <input type="checkbox"/> 3020 | Earth Surface Processes | 3 | | |
| GSCI/MARN | <input type="checkbox"/> 3230 | Beaches and Coasts | 3 | | |
| MARN | <input type="checkbox"/> 3001 | Foundations of Marine Sciences | 4 | | |
| MARN | <input type="checkbox"/> 3030 | Coastal Pollution and Bioremediation | 3 | | |
| MARN | <input type="checkbox"/> 4066 | River Influences on the Marine Environment | 3 | | |
| NRE | <input type="checkbox"/> 2215E | Introduction to Water Resources | 3 | | |
| NRE | <input type="checkbox"/> 2345 | Introduction to Fisheries and Wildlife | 3 | | |
| NRE | <input type="checkbox"/> 2600E | Global Sustainable Natural Resources | 3 | | |
| NRE | <input type="checkbox"/> 3105 | Wetlands Biology and Conservation | 3 | | |
| NRE | <input type="checkbox"/> 3115 | Air Pollution | 3 | | |
| NRE | <input type="checkbox"/> 3155 | Water Quality Management | 3 | | |
| NRE | <input type="checkbox"/> 4340 | Ecotoxicology | 3 | | |
| NRE/GSCI | <input type="checkbox"/> 4135/4735 | Introduction to Ground Water Hydrology | 4 | | |

Natural Science - TWO of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|----------|------------------------------------|---------------------------------------|---------|---------------|-------|
| CHEM | <input type="checkbox"/> 4370 | Environmental Chemistry – Atmosphere | 3 | _____ / _____ | _____ |
| CHEM | <input type="checkbox"/> 4371 | Environmental Chemistry – Hydrosphere | 3 | | |
| EEB | <input type="checkbox"/> 2244E/W | General Ecology | 4 | _____ / _____ | _____ |
| EEB | <input type="checkbox"/> 2245/W | Evolutionary Biology | 4 | | |
| EEB | <input type="checkbox"/> 3247 | Freshwater Ecology | 4 | | |
| EEB/MARN | <input type="checkbox"/> 3230/3014 | Marine Biology | 3 | _____ / _____ | _____ |
| EEB/GSCI | <input type="checkbox"/> 4120 | Paleobiology | 4 | | |
| GEOG | <input type="checkbox"/> 2300E | Introduction to Physical Geography | 3 | _____ / _____ | _____ |
| GSCI | <input type="checkbox"/> 4110 | Sedimentology | 3 | | |
| GSCI | <input type="checkbox"/> 4210 | Glacial Processes and Materials | 3 | | |

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| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|--------------------------------|--------------------------------------|---------|---------------|-------|
| GSCI | <input type="checkbox"/> 4720 | Environmental Geochemistry | 3 | | |
| MARN | <input type="checkbox"/> 2002 | Marine Science I | 3 | | |
| MARN | <input type="checkbox"/> 2060 | Introduction to Coastal Meteorology | 3 | | |
| MARN | <input type="checkbox"/> 3003Q | Environmental Reaction and Transport | 4 | | |
| MARN | <input type="checkbox"/> 4030W | Chemical Oceanography | 3 | | |
| MARN | <input type="checkbox"/> 4060 | Physical Oceanography | 3 | | |
| NRE | <input type="checkbox"/> 2455 | Forest Ecology | 3 | | |
| NRE | <input type="checkbox"/> 3125 | Watershed Hydrology | 3 | | |
| NRE | <input type="checkbox"/> 3145 | Meteorology | 3 | | |
| NRE | <input type="checkbox"/> 4205 | Stream Ecology | 3 | | |
| SPSS | <input type="checkbox"/> 2120 | Environmental Soil Science | 3 | | |
| SPSS | <input type="checkbox"/> 3420 | Soil Chemistry Components | 4 | | |

Students must complete at least one course from each of the following Knowledge Competencies. The same course cannot be used to fulfill more than one knowledge competency.

Methods - ONE of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|------------------|--|--|---------|---------------|-------|
| CE | <input type="checkbox"/> 2251 | Probability & Statistics in Civil & Envir. Engineering | 3 | / | |
| CE/ENVE/ GSCI | <input type="checkbox"/> 3530 <input type="checkbox"/> 3710 | Engineering and Environmental Geology | 3 | | |
| EEB | <input type="checkbox"/> 4100 | Big Data Science for Biologists | 4 | | |
| EEB | <input type="checkbox"/> 4230W | Methods of Ecology | 4 | | |
| GEOG | <input type="checkbox"/> 3500Q | Geographic Data Analysis | 4 | | |
| GEOG/GSCI | <input type="checkbox"/> 4230 | GIS & Remote Sensing for Geoscience Applications | 3 | | |
| GEOG/MARN | <input type="checkbox"/> 3505 | Remote Sensing of Marine Geography | 3 | | |
| GSCI | <input type="checkbox"/> 4430 | Stable Isotope Biogeochemistry | 3 | | |
| GSCI | <input type="checkbox"/> 4510 | Applied and Environmental Geophysics | 3 | | |
| GSCI | <input type="checkbox"/> 4710 | Environmental Site Assessment | 3 | | |
| GSCI | <input type="checkbox"/> 4810 | Modeling the Changing Atmosphere and Ocean | 3 | | |
| GSCI/NRE | <input type="checkbox"/> 4735 <input type="checkbox"/> 4135 | Introduction to Ground Water Hydrology | 4 | | |
| MARN | <input type="checkbox"/> 3003Q | Environmental Reaction and Transport | 4 | | |
| NRE | <input type="checkbox"/> 2000 | Introduction to Geomatics | 4 | | |
| NRE | <input type="checkbox"/> 2010 | Natural Resources Measurements | 3 | | |
| NRE | <input type="checkbox"/> 3305 | African Field Ecology & Renewable Resources Mgmt. | 4 | | |

ENVIRONMENTAL SCIENCES

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|---------------------------------|---|---------|---------------|-------|
| NRE | <input type="checkbox"/> 3345/W | Wildlife Management Techniques | 4 | | |
| NRE | <input type="checkbox"/> 3535 | Remote Sensing of the Environment | 3 | | |
| NRE | <input type="checkbox"/> 4335 | Fisheries Management | 4 | | |
| NRE | <input type="checkbox"/> 4475 | Forest Management | 4 | | |
| NRE | <input type="checkbox"/> 4535 | Remote Sensing Image Processing | 3 | | |
| NRE | <input type="checkbox"/> 4544 | Land Surveying for Environmental Mgmt. & Planning | 3 | | |
| NRE | <input type="checkbox"/> 4545 | Geodesy | 3 | | |
| NRE | <input type="checkbox"/> 4575 | Natural Resource Applications of GIS | 4 | | |
| NRE | <input type="checkbox"/> 4665 | Natural Resources Modeling | 3 | | |
| PHYS | <input type="checkbox"/> 2400 | Mathematical Methods for the Physical Sciences | 3 | | |
| STAT | <input type="checkbox"/> 2215Q | Introduction to Statistics II | 3 | | |
| STAT | <input type="checkbox"/> 3025Q | Statistical Methods – Calculus Level 1 | 3 | | |

Governance & Policy - ONE of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|----------------|---------------------------------|--|---------|---------------|-------|
| AH | <input type="checkbox"/> 3174 | Environmental Laws, Regulations and Issues | 3 | / | |
| ARE | <input type="checkbox"/> 2235 | Marine Economics and Policy | 3 | | |
| ARE | <input type="checkbox"/> 3434E | Environmental and Resource Policy | 3 | | |
| ARE | <input type="checkbox"/> 3437E | Marine Fisheries Economics and Policy | 3 | | |
| ARE | <input type="checkbox"/> 4438E | Valuing the Environment | 3 | | |
| ARE | <input type="checkbox"/> 4462E | Environmental and Resource Economics | 3 | | |
| ECON/MAST | <input type="checkbox"/> 2467 | Economics of the Oceans | 3 | | |
| ENVS/EVST/ENVE | <input type="checkbox"/> 3100 | Climate Resilience and Adaptation | 3 | | |
| EVST/POLS | <input type="checkbox"/> 3412 | Global Environmental Politics | 3 | | |
| GEOG | <input type="checkbox"/> 3320W | Environmental Evaluation & Assessment | 3 | | |
| MAST/POLS | <input type="checkbox"/> 3832 | Maritime Law | 3 | | |
| NRE | <input type="checkbox"/> 3000 | Human Dimensions of Natural Resources | 3 | | |
| NRE | <input type="checkbox"/> 3201 | Conservation Law Enforcement | 3 | | |
| NRE | <input type="checkbox"/> 3245E | Environmental Law | 3 | | |
| SOCI | <input type="checkbox"/> 3407/W | Energy, Environment, and Society | 3 | | |

HUMAN HEALTH CONCENTRATION

ALL of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|-------------------------------|----------------------------------|---------|---------------|-------|
| AH | <input type="checkbox"/> 3021 | Environment, Genetics and Cancer | 3 | / | |

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| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|--------------------------------|------------------------------|---------|---------------|-------|
| AH | <input type="checkbox"/> 3175E | Environmental Health | 3 | _____ / _____ | _____ |
| AH | <input type="checkbox"/> 3275 | HAZWOPER | 3 | _____ / _____ | _____ |
| ANSC | <input type="checkbox"/> 4341 | Food Microbiology and Safety | 3 | _____ / _____ | _____ |
| MCB | <input type="checkbox"/> 2610 | Fundamentals of Microbiology | 4 | _____ / _____ | _____ |

TWO of the following totaling 6 or more credits:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|-------------------------------|-----------------------------------|---------|---------------|-------|
| ANSC | <input type="checkbox"/> 4642 | Food Microbiology Laboratory | 1 | _____ / _____ | _____ |
| MCB | <input type="checkbox"/> 2400 | Human Genetics | 3 | | |
| MCB | <input type="checkbox"/> 3010 | Biochemistry | 5 | | |
| MCB | <input type="checkbox"/> 3011 | Human Metabolism and Disease | 2 | | |
| MCB | <input type="checkbox"/> 3201 | Gene Expression | 3 | | |
| MCB | <input type="checkbox"/> 3633 | Pathogenic Microbiology | 4 | | |
| MCB | <input type="checkbox"/> 4211 | Basic Immunology | 3 | | |
| PVS | <input type="checkbox"/> 2100 | Anatomy and Physiology of Animals | 4 | | |

ONE of the following:

| Dept. | No. | Course Title | Credits | Semester/Year | Grade |
|-------|-------------------------------|---|---------|---------------|-------|
| AH | <input type="checkbox"/> 3570 | Health and Safety Management in the Workplace | 3 | _____ / _____ | _____ |
| AH | <input type="checkbox"/> 3571 | Health Hazards in the Workplace | 3 | | |
| AH | <input type="checkbox"/> 3573 | Health and Safety Standards in the Workplace | 3 | | |
| AH | <input type="checkbox"/> 3574 | Ergonomics | 3 | | |
| PVS | <input type="checkbox"/> 4300 | Principles of Pathobiology | 3 | | |

UConn | COLLEGE OF AGRICULTURE, HEALTH AND NATURAL RESOURCES

ONLINE PLAN OF STUDY FORM ATTACHMENT

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 | Semester/Year | Grade |
|-------|-------|---------|---------------|-------|
| _____ | _____ | _____ | _____/____ | _____ |
| _____ | _____ | _____ | _____/____ | _____ |
| _____ | _____ | _____ | _____/____ | _____ |
| _____ | _____ | _____ | _____/____ | _____ |
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| Dept. | No. | Credits | Semester/Year | Grade |
|-------|-------|---------|---------------|-------|
| _____ | _____ | _____ | _____/____ | _____ |
| _____ | _____ | _____ | _____/____ | _____ |
| _____ | _____ | _____ | _____/____ | _____ |
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| _____ | _____ | _____ | _____/____ | _____ |
| _____ | _____ | _____ | _____/____ | _____ |
| _____ | _____ | _____ | _____/____ | _____ |

Credits from departments in CAHNR (15 required): _____

(CAHNR subject codes include AGNR, AH, ANSC, ARE, DGS, DIET, ENVS, EVST, HORT, KINS, LAND, MLSC, NRE, NUSC, PLSC, PVS, SOIL, SPSS, TURF)

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.