

# ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS (BS)

The B.S degree in Environmental and Natural Resource Economics prepares students to use economic analysis and quantitative methods to understand and evaluate complex interactions between economic markets, societal values, human needs and wants, and government policies. After graduation, students will be able to apply their acquired analytical and quantitative skills in a variety of jobs and for graduate school preparation. Environmental and Natural Resource Economists work for firms and consulting companies in the private sector, and for public agencies. The curriculum incorporates economics into the study of pollution (air, water, and land), waste disposal and recycling, business and consumer behavior, sustainable development, climate change and adaptation, pollution control, energy, renewable resources, environmental justice, poverty, economic valuation of environmental protection, benefit cost analysis, and policy evaluation. Students are encouraged to enroll in independent study to work individually with a faculty member on a chosen topic related to environmental and natural resource economics. Students can also receive academic credit through internships and participation in study abroad programs. For detailed information, please refer to [are.uconn.edu](http://are.uconn.edu) (<http://are.uconn.edu>).

## Requirements

Course	Title	Credits
<b>Competency Requirements</b>		
All Environmental and Natural Resource Economics majors must pass:		
ARE 1150	Principles of Applied and Resource Economics	3
or ECON 1200	Principles of Economics (Intensive)	
or ECON 1201	Principles of Microeconomics	
ARE 2150	Intermediate Applied and Resource Economics	3
ARE 2155	Imperfect Competition and Behavioral Economics	3
A minimum of 15 additional credits of ARE courses at the 2000 level or above		15
<i>Writing Requirement</i>		
ARE 2261W	Writing in Food Policy	1
or ARE 2435W	Writing in Environmental and Resource Policy	
<i>Advanced Information Literacy Requirement</i>		
ARE 2261W	Writing in Food Policy	1
or ARE 2435W	Writing in Environmental and Resource Policy	

The courses used to satisfy the 15 additional credit ARE minimum can also be used to fulfill the CAHNR 36-credit requirement.

Students choosing this major must take a total of at least 18 credits from the courses listed below.

Course	Title	Credits
<b>Core Courses</b>		
Select at least 12 credits from the following:		12
ARE 2434E	Environmental and Resource Policy	

ARE 3333	Computational Analysis in Applied Economics	
ARE 3438E	Climate Economics	
ARE 4438E	Valuing the Environment	
ARE 4444	Economics of Energy, Climate, and the Environment	
ARE 4462E	Environmental and Resource Economics	
<b>Elective Courses</b>		
Select up to six credits from the following:		6
ARE 2235		
ARE 2250		
ARE 2525	Sustainability Policy and Management	
ARE 2464	Measuring Impact of Programs that Raise Human Well-being	
ARE 3305E	Economic Development, Environment, and Policy	
ARE 3436		
ARE 4217	Business Finance and Investment Management	
ARE 4305	Sustainable Economic Development	
GEOG 2320E	Climate Change: Current Geographic Issues	
GEOG 2400E	Introduction to Sustainable Cities	
GEOG 2500	Introduction to Geographic Information Systems	
GEOG 3340	Environmental Planning and Management	
NRE 3245E	Environmental Law	
Up to three credits of any 3000-level course or higher with approval of advisor		
<b>Total Credits</b>		<b>18</b>

With approval of advisor, additional courses in ARE or in related fields can be used to fulfill the CAHNR 36-credit requirement for the major

## Note

Students can add one or more minors offered by the ARE Department except for the Environmental Economics and Policy minor.

Minors in Business Management and Marketing, Development Economics and Policy, and Equine Business Management are described in the Minors section.

## University General Education Requirements

Every student must meet a set of core requirements to earn a baccalaureate degree, in addition to those required by the student's major course of study and other requirements set by the student's school or college. For more information about these requirements, please see General Education Requirements (<https://catalog.uconn.edu/undergraduate/gen-ed-requirements/>).

## College of Agriculture, Health and Natural Resources Degree Requirements

Students must meet a set of requirements established by the college in addition to the University's General Education requirements. For more information, see the College of Agriculture, Health and Natural Resources

(<https://catalog.uconn.edu/undergraduate/agriculture-health-natural-resources/#requirements-text>) section of this catalog.

## **Accelerated Applied and Resource Economics MS**

This fast-track to the M.S. is designed for students who receive their B.S. degree from the ARE Department and then go on to pursue the M.S. in Applied and Resource Economics. The program is designed to allow students who enroll in graduate school in the summer following completion of their BS to complete all requirements for the M.S. within one calendar year. To complete the degree in this accelerated timeframe, the 120 credits students take for their B.S. should include six graduate credits of required courses (ARE 5201 Microeconomics or ECON 5201 Microeconomics, and ARE 5311 Applied Econometrics I) that can be included on the student's undergraduate plan of study and also applied to the M.S. requirements of 30 credits. Once students earn their B.S., they must take 24 more M.S. credits, following one of the three plans of study described on the M.S. in Applied Resource and Economics (<https://catalog.uconn.edu/graduate/degree-programs/applied-resource-economics-ms/#requirements-text>) page. Students pursuing a Plan A or Plan B (Major Paper) plan of study will take up to six credits of GRAD 5950 Master's Thesis Research (for Plan A) or ARE 5499 Independent Study in Agricultural and Resource Economics and/or ARE 5991 Professional Internship (for Plan B (Major Paper) during the summer between the 4th and 5th year, working to develop an applied project or thesis with a faculty advisor. Students pursuing a Plan B (Coursework) plan of study will take up to six credits of approved electives during that summer.