



What is Energy & Environmental Policy? Today's energy and environmental experts are creative problem-solvers with an important role to play in the future of our nation and world. Energy and environmental policy (ENEP) is a burgeoning field focused on improving opportunities in energy, environment, sustainable development and climate change policy.

Endless career opportunities

Administered by the Center for Energy and Environmental Policy (CEEP), the ENEP major offers an exciting opportunity for students to pursue academic and professional careers in the areas of energy and environmental planning, policy analysis, management and administration, and research in the public, private and non-profit sectors.

The program offers a multi-faceted look at policy analysis, economics, the social and natural sciences and engineering. It also incorporates internships and experiential learning opportunities that complement classroom learning.

Students in the major will be qualified to assume positions in local and national governments, international agencies, research and policy institutions, consulting firms, energy utilities and corporate departments with responsibilities in energy and environmental matters.

Major areas of emphasis

Drawing on the wide-ranging expertise of faculty from across the University, the ENEP undergraduate major provides students with cross-disciplinary knowledge and analytical skills to address local, national and global energy and environmental issues. Core fundamentals include an understanding of underlying policy and economic frameworks for the analysis of energy and environmental problems. The program also enables students to become familiar with scientific and engineering concepts and research on energy and environmental technology.

Concentrations

Students can choose to earn a Bachelor of Science degree with one of three concentrations:

Energy, Environment and Society: This concentration provides students a broad understanding of energy and environmental policy at the local, national and international scale. Students learn about various climate change and GHG emissions projection scenarios such as those developed by the Intergovernmental Panel on Climate Change (IPCC). Coursework in social science, econometrics and statistical analysis, as well as science and technology, prepares graduates for a research career or graduate education in energy and environmental sustainability, climate change and long-term policy analysis and planning.

Energy, Science and Technology: Students with an interest in sustainable energy technology will benefit from this concentration, which bridges scientific and technological knowledge with an understanding of energy and environmental policies that influence energy technology design and choice. Coursework will equip students with an understanding of governmental policy and economic instruments necessary to analyze and assess sustainable energy options and technological development.

Energy, Economics and Public Policy: Students in this concentration focus on the influence of policy and economics on the development of the energy sector with a special emphasis on sustainable energy development. They will learn energy and environmental economics, and how the private and public sector can support sustainable energy options. The concentration includes coursework across disciplines to prepare students for careers in research, energy economics and utility regulation.

Semester coursework varies depending on a student's interest, background and academic preparation. Winter and summer sessions can augment regular semester study. Students in the major explore their interests in the real world through a **required internship** facilitated through CEEP's 20-years of placements with government, industry and research organizations.

CEEP—an internationally recognized center

The University of Delaware's undergraduate program in energy and environmental policy is managed by the Center for Energy and Environmental Policy (CEEP). Led by **Dr. John Byrne, Director and Distinguished Professor of Energy & Climate Policy, who shares the 2007 Nobel Peace Prize for his long years of service with the Intergovernmental Panel on Climate Change**, CEEP has the distinction of having the first doctoral and master's degrees in the combined field of energy and environmental policy in the United States. Additionally, the center has supported research and education since 1980 and has earned international recognition as one of the three best programs in the field.

Additional study opportunities

Exploring the humanities and social sciences through the breadth requirements

All ENEP concentrations include self-selected humanities and social science courses. The required 31 credits of breadth coursework include 21 credits of humanities and social sciences, and 10 credits of math, natural science and technology.

Please note: 3 of the above credits must also satisfy the Multicultural Requirement (University requirement) and already completed Advanced Placement (AP) credit may apply toward these requirements.

Exploring other subjects through minors

A minor is a small set of courses in a particular subject area that differs from a student's major. Minors normally require five to seven courses to be completed in the subject area. Students may double-count courses for credit against both majors and minors. If electives are chosen carefully, minors can easily be integrated into the program requirements. Most students have at least one minor, many have two or three.

Career resources

The Career Services Center provides comprehensive services to all matriculated undergraduate students, primarily in the development and implementation of career and educational plans. The Career Services Center can help you determine a major, find internships or full-time jobs, build your resume and cover letter, practice interview skills, apply to graduate or professional school, or network with employers. Visit www.udel.edu/CSC for details.

Energy & Environmental Policy Curriculum

Sample curriculum for the Energy, Environment and Society Concentration

Fall			Spring		
First Year			First Year		
COURSE #	COURSE DESCRIPTION	CREDITS	COURSE #	COURSE DESCRIPTION	CREDITS
ENEP 117	Science, Society and Energy	1	ENGL 110	Critical Reading and Writing	3
ECON 151	Introduction to Microeconomics	3	GEOG 235	Conservation: Natural Resources	3
UAPP 225	Crafting Public Policy	3	ENEP 250	Introduction to Energy Policy	3
MATH 241	Analytical Geometry and Calculus A	4		Breadth Requirement Elective 2*	3
	Breadth Requirement Elective 1*	4		Breadth Requirement Elective 3*	3
		15			15
Second Year			Second Year		
COURSE #	COURSE DESCRIPTION	CREDITS	COURSE #	COURSE DESCRIPTION	CREDITS
PHYS 143	Energy, Technology and Society	3	GEOG 422	Resources, Development and the Environment	3
GEOG 271	Introduction to Geographic Data Analysis	3	PHIL 448	Environmental Ethics	3
ENEP 410	Political Economy of Environment	3		Breadth Requirement Elective 6*	3
	Breadth Requirement Elective 4*	3		Breadth Requirement Elective 7*	3
	Breadth Requirement Elective 5*	3		Second Writing Class**	3
		15			15
Third Year			Third Year		
COURSE #	COURSE DESCRIPTION	CREDITS	COURSE #	COURSE DESCRIPTION	CREDITS
ECON 300	Intermediate Microeconomic Theory	3	ENEP 426	Climate Change: Science, Policy & Political Economy	3
ENWC 413	Wildlife Policy and Administration	3	GEOG 372	Introduction to Geographic Information System	3
ENEP 470	Readings in Energy and Environment	3	ENEP 424	Sustainable Energy Policy & Planning	3
	Multicultural Requirements	3		Breadth Requirement Elective 9*	3
	Breadth Requirement Elective 8*	3		Breadth Requirement Elective 10*	3
		15			15
Fourth Year			Fourth Year		
COURSE #	COURSE DESCRIPTION	CREDITS	COURSE #	COURSE DESCRIPTION	CREDITS
SOCI 331	World Population: Profiles and Trends	3	FREC 343	Environmental Economics	3
PHIL 340	Cross Cultural Environmental Ethics	3	SOCI 471	Disasters, Vulnerability & Development	3
ENEP 425	Energy Policy & Administration	3	ENEP 472	Senior Research Paper	6
ENEP 468	Research in Energy and Environment	3	CHEG 625	Green Engineering	3
	Advanced Curriculum Elective	3			15
		15			15
Spring/Summer Session			Spring/Summer Session		
COURSE #	COURSE DESCRIPTION	CREDITS	COURSE #	COURSE DESCRIPTION	CREDITS
ENEP 364	Internship (DLE)	3			3
		3			3
Fourth Year			Fourth Year		
COURSE #	COURSE DESCRIPTION	CREDITS	COURSE #	COURSE DESCRIPTION	CREDITS
SOCI 331	World Population: Profiles and Trends	3	FREC 343	Environmental Economics	3
PHIL 340	Cross Cultural Environmental Ethics	3	SOCI 471	Disasters, Vulnerability & Development	3
ENEP 425	Energy Policy & Administration	3	ENEP 472	Senior Research Paper	6
ENEP 468	Research in Energy and Environment	3	CHEG 625	Green Engineering	3
	Advanced Curriculum Elective	3			15
		15			15

TOTAL CREDIT HOURS: 125***

*A list of Breadth Requirement courses is available at: www.engr.udel.edu/advise/undergrad_programs.html

** ENEP 410, 424, 425, 426, 468, 470, 472 fulfill second writing requirements.

*** After required courses are completed, sufficient elective credits must be taken to meet the minimum credit for the degree.

Please note: Each concentration (EES, EST and EEP) has a distinct curriculum. EES is illustrated above.