

Energy Studies (ENST)

The program in Energy Studies offers students an interdisciplinary approach to the study of energy, its role in society, and its role in the environment. While not a major, courses applied toward requirements for Energy Studies may also be counted toward requirements in other programs, majors, or minors. The program encourages students to examine the topic of energy from many different perspectives such as technical, economic, political, and ethical perspective. The program culminates in an internship or research experience in a field related to energy.

Coordinator

G. Mackay Salley, Physics

As an interdisciplinary program students must complete one physics course and three additional courses focusing on the topic of energy. The program culminates in an internship or research experience in a field related to energy. Once a student has completed at least two program courses, the student must meet with an Energy Studies advisor and the Internship Coordinator in Career Services to create an internship or find a research opportunity. Typically, the internship or research activity will occur in the summer of the student's junior year, however, this work could be completed during the regular semester. The internship requires an acceptable final project paper, documenting what the student learned during the experience.

Program Requirements

Course	Title	Hours
Energy Fundamentals		4
PHY 121 or PHY 141	General Physics I (with lab) Physics for Science & Engineering I (with lab)	
Energy in Industry		3
Select one of the following:		
BUS 350	Business and the Environment: The Sustainable Enterprise	
INTL 382	Global Issues	
ECO 333	Environmental Economics	
Energy in Science		4
Select one of the following:		
CHEM 104	Chemistry: Concepts & Methods (with lab)	
CHEM 224	Environmental Chemistry (with lab)	
ENVS 150	Introduction to Earth System Science (with lab)	
ENVS 160	Introduction to Sustainability Science (with lab)	
PHY 122	General Physics II (with lab)	
PHY 142	Physics for Science & Engineering II (with lab)	
Energy in the Environment		3 to 4
Select one of the following:		
CHEM 103	Chemistry: Science in Context	
PHY 202	Energy	
PHIL 215	Environmental Ethics	

ENVS 336	Climate Change (with lab)	
Energy Related Internship		1
INTR 301 or INTR 401	Internship, Apprentice Program Internship, Apprentice Program	
Total Hours		15-16