

# ENVIRONMENTAL ECONOMICS & SUSTAINABILITY: GOVERNMENT (BA)

The Environmental Economics and Sustainability major provides students rigorous training in economics and awareness of sustainability challenges, including global climate change, food production, environmental conservation, and social justice. Training in economics provides knowledge of how individuals and governments make decisions and the ways in which the economy can be structured and managed for the common good, training that is a crucial part of solving sustainability challenges. The Governance concentration is intended for students seeking a career in government, non-governmental organization (NGO), or law.

## Curriculum

Code	Title	Hours
<b>Environmental Economics &amp; Sustainability: Government Core</b>		
ENVS 137	Foundations of Environmental Science I	3
ENVS 200	Environmental Careers and Professional Skills	1
ENVS 237	Foundations of Environmental Science II	3
ENVS 238	Foundations of Environmental Science Lab	1
ENVS 280	Principles of Ecology	3
ENVS 283	Environmental Sustainability	3
ENVS 286	Principles of Ecology Lab	1
ENVS 335	Ecological Economics	3
ECON 201	Principles of Microeconomics	3
ECON 202	Principles of Macroeconomics	3
ECON 303	Intermediate Microeconomics	3
PLSC 392	Environmental Politics	3
MATH 131	Applied Calculus I	3-4
or MATH 161	Calculus I	
STAT 103	Fundamentals of Statistics	3
or ISSCM 241	Business Statistics	
ENVS 284	Environmental Justice	3
or PHIL 287	Environmental Ethics	
or THEO 204	Religious Ethics and the Ecological Crisis	
<b>Governance Concentration Required Courses</b>		
ECON 328	Environmental Economics	3
ENVS 310	Introduction to Environmental Law & Policy	3
<b>Governance Concentration Electives</b>		
<i>Choose two of the following:</i>		6
ECON 320	Urban Economics	
ECON 325	Economics of Growth & Development	
ECON 329	Health Economics	
ECON 334	Economics of Government Expenditures & Taxation	
ECON 346	Econometrics	
<i>Choose two of the following:</i>		6
ENVS 311	Natural Resources and Land Use Law & Policy	
ENVS 312	Water Law & Policy	
ENVS 313	Energy Law & Policy	

ENVS 327	Food Systems Analysis
ENVS 384	Conservation Economics

### Capstone

ENVS 390	Integrative Seminar	3
or ENVS 391C	Independent Environmental Research (Capstone)	
or ENVS 395C	Environmental Internship (Capstone)	

**Total Hours** 60

## LEARNING OUTCOMES

- Understand how the economy, the environment, and human development goals are linked.
- Understand how economic theory and quantitative analysis can be used to evaluate social and economic outcomes.
- Analyze who benefits or is harmed by economic and environmental policies; identify how benefits and harms are distributed in a population.
- Communicate with professionals about tradeoffs, property rights, ecosystem services, values and related economic measures, inequities, externalities, environmental degradation, and systems thinking.
- Have specialized expertise in using either the governance process or business management to solve social and environmental challenges.
- Succeed in graduate school and work in professional fields.

## SES Shared Learning Outcomes

All SES majors share the following Program Learning Objectives, in addition to their unique major-specific Program Learning Objectives:

1. Articulate the foundational principles of natural and social sciences and humanities essential to solving environmental problems.
2. Critically evaluate the accuracy and credibility of information relating to environmental topics.
3. Employ knowledge and skills to design and implement solutions that contribute to a just and sustainable world.
4. Exemplify the values of environmental and social justice through actions to care for our common home and one another.