

ENVIRONMENTAL SCIENCE MINOR

The Environmental Science Minor provides a base in the science, social & political issues, and methods relevant to understanding environmental issues and working to solve environmental problems.

RELATED PROGRAMS

Minor

- Advocacy and Social Change Minor (<https://catalog.luc.edu/undergraduate/communication/advocacy-social-change-minor/>)
- Environmental Action and Leadership Minor (<https://catalog.luc.edu/undergraduate/environmental-sustainability/environmental-action-leadership-minor/>)
- Environmental Communication Minor (<https://catalog.luc.edu/undergraduate/communication/environmental-communication-minor/>)
- Sustainability Management Minor (<https://catalog.luc.edu/undergraduate/business/sustainability-management-minor/>)
- Urban Studies Sustainability Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/interdisciplinary-studies-minors/urban-studies-sustainability-minor/>)

CURRICULUM

Requirements: 7 courses (21 credit hours); *at least 3 courses must be ENVS.* A maximum of 3 courses can count toward this minor and an SES major.

Code	Title	Hours
Environmental/Ecological Science ¹		
Select four of the following:		12
ANTH 104	The Human Ecological Footprint	
ENVS 204	Gender, Health & Environment	
ENVS 207	Plants and Civilization	
ENVS 215	Ornithology	
ENVS 218	Biodiversity & Biogeography	
ENVS 223	Soil Ecology	
ENVS 224	Climate & Climate Change	
ENVS 226	Science & Conservation of Freshwater Ecosystems	
ENVS 237	Foundations of Environmental Science II	
ENVS 267	Bird Conservation and Ecology	
ENVS 273	Energy and The Environment	
ENVS 280	Principles of Ecology	
or BIOL 265	Ecology	
ENVS 283	Environmental Sustainability	
ENVS 340	Natural History of Belize	
ENVS 345	Conservation and Sustainability of Neotropical Ecosystems	
ENVS 369	Field Ornithology	
Policy, Business & Society		
Select one of the following:		3
ENVS 260 /	Environmental Journalism	
COMM 260		

ENVS 279	Climate and History	
ENVS 284	Environmental Justice	
ENVS 297	North American Environmental History	
ENVS 310	Introduction to Environmental Law & Policy	
ENVS 311	Natural Resources and Land Use Law & Policy	
ENVS 312	Water Law & Policy	
ENVS 313	Energy Law & Policy	
ENVS 333	Introduction to the Circular Economy	
ENVS 335	Ecological Economics	
ENVS 336	Design for Circular & Sustainable Business	
ENVS 363	Sustainable Business Management	
ENVS 383	Human Dimensions of Conservation	
ECON 328	Environmental Economics	
GLST 305	Globalization and Environmental Sustainability	
PLSC 354	Global Environmental Politics	
PLSC 392	Environmental Politics	
SOCL 272	Environmental Sociology	
SOCL 276	The Sociology and Politics of Food	
Methods & Application		
Select two of the following:		6
ENVS 203	Environmental Statistics	
ENVS 350A	Solutions to Environmental Problems: Water	
ENVS 350B	Solutions to Environmental Problems: Biogas	
ENVS 350C	Solutions to Environmental Problems: Climate Action	
ENVS 350F	Solutions to Environmental Problems: Food Systems	
ENVS 380	Introduction to Geographic Information Systems	
ENVS 381	Advanced GIS Applications	
ENVS 382	Remote Sensing	
ENVS 391	Environmental Research	
ENVS 395	Environmental Internship	
SOCL 301	Statistics for Social Research	
STAT 303	SAS Programming & Applied Statistics	
STAT 307	Statistical Design & Analysis of Experiments	
STAT 308	Applied Regression Analysis	
STAT 310	Categorical Data Analysis	
STAT 335 /	Introduction to Biostatistics	
BIOL 335		
Total Hours		21

¹ All ENVS 200-level courses, except COMM 260, ENVS 279, ENVS 284, and ENVS 297, have ENVS 101 or ENVS 137 as a pre-requisite; ENVS 280 also has ENVS 237 as a pre-requisite.

LEARNING OUTCOMES

- Explain the physical, biological, and chemical structure and function of ecosystems.
- Examine the causes and consequences of environmental change at local to global scales.
- Apply scientific knowledge to evaluate policy, management, and other solutions that aim to enhance environmental sustainability.

- Create an action plan for leading a professional and personal life that promotes environmental sustainability.

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.