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

- Environmental Action and Leadership Minor (https://catalog.luc.edu/undergraduate/environmental-sustainability/environmental-action-leadership-minor/)
- Sustainability Management Minor (https://catalog.luc.edu/undergraduate/business/sustainability-management-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 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 Chemistry	
ENVS 267	Bird Conservation and Ecology	
ENVS 273	Energy and the Environment	
ENVS 281	Environmental Sustainability & Science in China	
ENVS 280	Principles of Ecology	
or BIOL 265	Ecology	
ENVS 283	Environmental Sustainability	
ENVS 345	Conservation and Sustainability of Neotropical Ecosystems	
ENVS 369	Field Ornithology	
Policy, Business & Society		
Select one of the following:		3
ENVS 260 / COMM 260	Environmental Journalism	
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	
Methods & Application		
Select two of the following:		6
ENVS 203	Environmental Statistics	
ENVS 350A	Solutions to Environmental Problems: Water	
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 386	Python Programming for GIS	
ENVS 391	Environmental Research (with SES approval)	
ENVS 395	Environmental Internship	
SOCL 301	Statistics for Social Research	
STAT 303	SAS Programming and Applied Statistics	
STAT 307	Statistical Design & Analysis of Experiments	
STAT 308	Applied Regression Analysis	
STAT 310	Categorical Data Analysis	
STAT 335	Introduction to Biostatistics	
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.

Suggested Sequence of Courses

Course	Title	Hours
Year Three		
Fall		
Environmental/Ecological Science Elective		3
Environmental/Ecological Science Elective		3
	Hours	**6**
Spring		
Environmental/Ecological Science Elective		3
Environmental/Ecological Science Elective		3
	Hours	**6**
Year Four		
Fall		
Policy, Business, & Society Elective		3
Methods & Applications Elective		3
	Hours	**6**

Spring	
Methods & Applications Elective	3
Hours	**3**
Total Hours	**21**

Undergraduate Policies and Procedures

Please see Undergraduate Policies and Procedures (https://catalog.luc.edu/academic-standards-regulations/undergraduate/) for academic policies that supersede those of academic units within the University.

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.