

ENVIRONMENTAL STUDIES (BA)

Loyola's BA in Environmental Studies combines a solid base of courses in the natural sciences with course work in the social sciences to prepare students for careers in government, business, education, non-profit organizations or the media.

Related Programs

Major

- Environmental Policy (BA) (<https://catalog.luc.edu/undergraduate/environmental-sustainability/environmental-policy-ba/>)
- Environmental Science (BS) (<https://catalog.luc.edu/undergraduate/environmental-sustainability/environmental-science-bs/>)

Minor

- Environmental Science Minor (<https://catalog.luc.edu/undergraduate/environmental-sustainability/environmental-science-minor/>)

Curriculum

Environmental Studies students complete coursework spanning a variety of disciplines pertinent to the understanding of environmental issues.

Code	Title	Hours
Foundational Curriculum		
ENVS 137	Foundations of Environmental Science I	3
ENVS 237	Foundations of Environmental Chemistry	3
ENVS 238	Foundations of Environmental Science Lab	1
ENVS 200	Environmental Careers and Professional Skills	1
ENVS 203	Environmental Statistics	3
ENVS 280	Principles of Ecology	3
ENVS 286	Principles of Ecology Lab	1
PLSC 392	Environmental Politics	3
Justice and Ethics Choice		
Select one of the following:		3
ENVS 284	Environmental Justice	
PHIL 287	Environmental Ethics	
THEO 204	Religious Ethics and the Ecological Crisis	
Economics Choice		
Select one of the following:		3
ENVS 335	Ecological Economics	
ECON 328	Environmental Economics	
Engaged Learning Choice		
Select one of the following:		3
ENVS 226	Science & Conservation of Freshwater Ecosystems	
ENVS 267	Bird Conservation and Ecology	
ENVS 273	Energy and the Environment	
ENVS 281	Environmental Sustainability & Science in China	
ENVS 283	Environmental Sustainability	
ENVS 345	Conservation and Sustainability of Neotropical Ecosystems	
ENVS 350A	Solutions to Environmental Problems: Water	

ENVS 350C	Solutions to Environmental Problems: Climate Action	
ENVS 350F	Solutions to Environmental Problems: Food Systems	
ENVS 391	Environmental Research	
ENVS 395	Environmental Internship	
Capstone Choice		
Select one of the following:		3
ENVS 390	Integrative Seminar	
ENVS 391C	Independent Environmental Research (Capstone)	
ENVS 395C	Environmental Internship (Capstone)	
Electives (p. 1)		21
See designated elective categories below		
Total Hours		51

Electives

Code	Title	Hours
Society, Ethics, and Justice		
Select one of the following:		3
ANTH 104	The Human Ecological Footprint	
COMM 101	Public Speaking & Critical Thinking	
COMM 260	Environmental Journalism	
COMM 306	Environmental Communication & Advocacy	
COMM 379	Digital Sustainability	
ENGL 288	Nature in Literature	
ENVS 230	Feeding the Planet: Global Perspectives on Sustainability, Culture and Food	
ENVS 285	Eco-spirituality	
ENVS 279	Climate and History	
ENVS 284	Environmental Justice	
ENVS 297	North American Environmental History	
ENVS 298	Special Topics (with SES approval)	
ENVS 300	Introduction to Public Health	
ENVS 391	Environmental Research (with SES approval)	
ENVS 395	Environmental Internship (with SES approval)	
ENVS 398	Special Topics (with SES approval)	
ENVS 399	Directed Readings (with SES approval)	
GLST 305	Globalization and Environmental Sustainability	
PHIL 287	Environmental Ethics	
PSYC 277	Environmental Psychology	
SOCL 272	Environmental Sociology	
THEO 204	Religious Ethics and the Ecological Crisis	
THEO 344	Theology and Ecology	
Policy, Economics, and Resource Management		
Select one of the following:		3
ECON 328	Environmental Economics	
ENVS 298	Special Topics (with SES approval)	
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 316	Energy and Power Systems	
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
ENVS 384	Conservation Economics
ENVS 391	Environmental Research (with SES approval)
ENVS 395	Environmental Internship (with SES approval)
ENVS 398	Special Topics (with SES approval)
MARK 320	Marketing for Environmental Sustainability
MGMT 201	Managing People and Organizations
PLSC 354	Global Environmental Politics

Methods and Analysis

Select one of the following: 3

COMM 231	Conflict Management and Communication
DSCI 101	Fundamentals of Modern Data Science with R
ENVS 298	Special Topics (with SES approval)
ENVS 327	Food Systems Analysis
ENVS 380	Introduction to Geographic Information Systems
ENVS 381	Advanced GIS Applications
ENVS 382	Remote Sensing
ENVS 383	Human Dimensions of Conservation
ENVS 384	Conservation Economics
ENVS 386	Python Programming for GIS
ENVS 391	Environmental Research
ENVS 395	Environmental Internship
ENVS 398	Special Topics (with SES approval)
ENVS 399	Directed Readings (with SES approval)
SOCL 206	Principles of Social Research
SOCL 302	Qualitative Research
STAT 303	SAS Programming & Applied Statistics

Environmental Electives

Choose four, at least one of which must be from List A and at least one of which must be at the 300 level): 12

List A

DSCI 101	Fundamentals of Modern Data Science with R
ENVS 207	Plants and Civilization
ENVS 215	Ornithology
ENVS 218	Biodiversity & Biogeography
ENVS 220	Conservation Genetics
ENVS 223	Soil Ecology
ENVS 224	Climate & Climate Change
ENVS 226	Science & Conservation of Freshwater Ecosystems
ENVS 267	Bird Conservation and Ecology
ENVS 273	Energy and the Environment
ENVS 274	Chemistry of the Natural Environment
ENVS 276	Chemistry of Environmental Pollution
ENVS 283	Environmental Sustainability
ENVS 298	Special Topics (with SES approval)
ENVS 301	Environmental Health
ENVS 303	Introduction to Epidemiology
ENVS 320	Conservation Biology
ENVS 322	Invasive Species

ENVS 324	Climate Science
ENVS 325	Sustainable Agriculture
ENVS 326	Agroecosystems
ENVS 327	Food Systems Analysis
ENVS 330	Restoration Ecology
ENVS 338	Climate Change and Human Health
ENVS 345	Conservation and Sustainability of Neotropical Ecosystems
ENVS 350A	Solutions to Environmental Problems: Water
ENVS 350C	Solutions to Environmental Problems: Climate Action
ENVS 350F	Solutions to Environmental Problems: Food Systems
ENVS 367	Mammalogy
ENVS 369	Field Ornithology
ENVS 380	Introduction to Geographic Information Systems
ENVS 381	Advanced GIS Applications
ENVS 382	Remote Sensing
ENVS 383	Human Dimensions of Conservation
ENVS 386	Python Programming for GIS
ENVS 387	Principles of Ecotoxicology
ENVS 391	Environmental Research
ENVS 395	Environmental Internship
ENVS 398	Special Topics (with SES approval)
SOCL 206	Principles of Social Research
SOCL 302	Qualitative Research
STAT 303	SAS Programming & Applied Statistics
<i>List B</i>	
ANTH 104	The Human Ecological Footprint
COMM 101	Public Speaking & Critical Thinking
COMM 231	Conflict Management and Communication
COMM 260	Environmental Journalism
COMM 306	Environmental Communication & Advocacy
COMM 379	Digital Sustainability
ECON 328	Environmental Economics
ENGL 288	Nature in Literature
ENVS 230	Feeding the Planet: Global Perspectives on Sustainability, Culture and Food
ENVS 284	Environmental Justice
ENVS 285	Eco-spirituality
ENVS 279	Climate and History
ENVS 297	North American Environmental History
ENVS 298	Special Topics (with SES approval)
ENVS 300	Introduction to Public Health
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 316	Energy and Power Systems
ENVS 333	Introduction to the Circular Economy
ENVS 335	Ecological Economics
ENVS 336	Design for Circular & Sustainable Business
ENVS 363	Sustainable Business Management

ENVS 384	Conservation Economics	
ENVS 391	Environmental Research (with SES approval)	
ENVS 395	Environmental Internship (with SES approval)	
ENVS 398	Special Topics (with SES approval)	
GLST 305	Globalization and Environmental Sustainability	
MGMT 201	Managing People and Organizations	
MARK 320	Marketing for Environmental Sustainability	
PHIL 287	Environmental Ethics	
PLSC 354	Global Environmental Politics	
PSYC 277	Environmental Psychology	
SOCL 272	Environmental Sociology	
THEO 204	Religious Ethics and the Ecological Crisis	
THEO 344	Theology and Ecology	
BIOL, CHEM, PHYS 300-level courses (with SES approval)		
Total Hours		21

Suggested Sequence of Courses

The below sequence of courses is meant to be used as a suggested path for completing coursework. An individual student's completion of requirements depends on course offerings in a given term as well as the start term for a major or graduate study. Students should consult their advisor for assistance with course selection.

Course	Title	Hours
Year One		
Fall		
ENVS 137	Foundations of Environmental Science I	3
Hours		3
Spring		
ENVS 203	Environmental Statistics	3
ENVS 237	Foundations of Environmental Chemistry	3
ENVS 238	Foundations of Environmental Science Lab	1
Justice & Ethics Choice		3
Hours		10
Year Two		
Fall		
ENVS 200	Environmental Careers and Professional Skills	1
ENVS 280	Principles of Ecology	3
ENVS 286	Principles of Ecology Lab	1
Hours		5
Spring		
Environmental Elective List A		3
Hours		3
Year Three		
Fall		
Environmental Elective List A or B		3
Hours		3
Spring		
PLSC 392	Environmental Politics	3
Society, Ethics, & Justice Elective		3
Hours		6

Year Four

Fall

ENVS 335	Ecological Economics	3
or ECON 328	or Environmental Economics	
Engaged Learning Choice		3
Policy, Economics, & Resource Management Elective		3
Environmental Elective List A or B		3
Hours		12

Spring

Capstone Choice		3
Methods & Analysis Elective		3
300 Level Environmental Science Elective List A or B		3
Hours		9
Total Hours		51

School of Environmental Sustainability Graduation Requirements

All SES students are required to complete a foreign language requirement and a writing intensive requirement. The SES language requirement can be fulfilled by 1) earning college credit at the 102-level or above; or 2) demonstrating proficiency via the SES foreign language proficiency examination. The SES writing intensive requirement is fulfilled by successfully completing two Loyola WI courses (max of one per semester). Writing intensive courses have a "W" in the section number.

Additional Undergraduate Graduation Requirements

All Undergraduate students are required to complete the University Core, at least one Engaged Learning course, and UNIV 101. SPCS students are not required to take UNIV 101. Nursing students in the Accelerated BSN program are not required to take core or UNIV 101. You can find more information in the University Requirements (<https://catalog.luc.edu/undergraduate/university-requirements/>) area.

Learning Outcomes

- Evaluate scientific, social, and humanistic approaches to issues that interconnect environment and society.
- Develop strategies and actionable steps to create environmental sustainability within select contexts
- Understand the forms of environmental justice and the specific environmental rights these forms of justice ensure

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.