

# 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

### Combined

- Environmental Studies/Business (BA/MBA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/environmental-studies-business-administration-ba-mba/>)
- Environmental Studies/Digital Media and Storytelling (BA/MC) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/environmental-studies-digital-media-storytelling-ba-ms/>)
- Environmental Studies/Environmental Science and Sustainability (BA/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/environmental-studies-environmental-science-sustainability-ba-ms/>)
- Environmental Studies/Global Strategic Communication (BA/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/environmental-studies-global-strategic-communication-ba-ms/>)

## Curriculum

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

Code	Title	Hours
<b>Core Curriculum</b>		
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
<b>Justice and Ethics Choice</b>		
Select one of the following:		3
ENVS 284	Environmental Justice	
PHIL 287	Environmental Ethics	
THEO 204	Religious Ethics and the Ecological Crisis	
<b>Economics Choice</b>		
Select one of the following:		3
ENVS 335	Ecological Economics	
ECON 328	Environmental Economics	
<b>Engaged Learning Choice</b>		
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 283	Environmental Sustainability	
ENVS 340	Natural History of Belize	
ENVS 345	Conservation and Sustainability of Neotropical Ecosystems	
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 391	Environmental Research	
ENVS 395	Environmental Internship	
<b>Capstone Choice</b>		
Select one of the following:		3
ENVS 390	Integrative Seminar	
ENVS 391C	Independent Environmental Research (Capstone)	
ENVS 395C	Environmental Internship (Capstone)	
<b>Electives (p. 1)</b>		21
See designated elective categories below		
<b>Total Hours</b>		51

## Electives

Code	Title	Hours
<b>Society, Ethics, and Justice</b>		
Select two of the following:		6
COMM 260	Environmental Journalism	
ENVS 204	Gender, Health & Environment	
ENVS 279	Climate and History	
ENVS 284	Environmental Justice	
ENVS 297	North American Environmental History	
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 338	Climate Change and Human Health	
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 383	Human Dimensions of Conservation	
ENVS 391	Environmental Research	
ENVS 395	Environmental Internship	
ENVS 398	Special Topics (with SES approval)	
ENVS 399	Directed Readings	
COMM 101	Public Speaking & Critical Thinking	
COMM 277	Organizational Communication	
COMM 306	Environmental Advocacy	
COMM 322	Guerilla Media	
ENGL 288	Nature in Literature	
PHIL 287	Environmental Ethics	

PSYC 277	Environmental Psychology
SOCL 226	Science, Technology, & Society
SOCL 252	Global Inequalities
SOCL 272	Environmental Sociology
SOCL 276	The Sociology and Politics of Food
SOCL 278	Global Health
THEO 204	Religious Ethics and the Ecological Crisis
THEO 344	Theology and Ecology

**Policy, Economics, and Resource Management**

Select one of the following: 3

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 332	
ENVS 333	Introduction to the Circular Economy
ENVS 335	Ecological Economics
ENVS 336	Design for Circular & Sustainable Business
ENVS 338	Climate Change and Human Health
ENVS 351	Introduction to Sustainability Concepts & Impacts
ENVS 363	Sustainable Business Management
ENVS 364	
ENVS 383	Human Dimensions of Conservation
ENVS 384	Conservation Economics
ENVS 389	Ecological Risk Assessment
ENVS 391	Environmental Research
ENVS 395	Environmental Internship
ENVS 398	Special Topics (with SES approval)
ENVS 399	Directed Readings
ECON 328	Environmental Economics
GLST 305	Globalization and Environmental Sustainability
MGMT 201	Managing People and Organizations
PLSC 354	Global Environmental Politics

**Methods and Analysis**

Select one of the following: 3

COMM 260	Environmental Journalism
ENVS 298	Special Topics (with SES approval)
ENVS 327	Food Systems Analysis
ENVS 352	Sustainability Assessment & Reporting I
ENVS 353	Sustainability Assessment & Reporting II
ENVS 354	Sustainability Plan Development & Reporting
ENVS 380	Introduction to Geographic Information Systems
ENVS 381	Advanced GIS Applications
ENVS 382	Remote Sensing
ENVS 384	Conservation Economics
ENVS 388	
ENVS 389	Ecological Risk Assessment
ENVS 391	Environmental Research
ENVS 395	Environmental Internship
ENVS 398	Special Topics (with SES approval)

ENVS 399	Directed Readings
ANTH 317	Ethnographic Methods
BIOL 335	Intro to Biostatistics
COMM 231	Conflict Management and Communication
COMM 234	Interviewing for Communication
COMM 277	Organizational Communication
COMM 363	Research Methods in Advertising/Public Relations
MARK 320	Marketing for Environmental Sustainability
SOCL 206	Principles of Social Research
SOCL 301	Statistics for Social Research
SOCL 302	Qualitative Research
STAT 203	Introduction to Probability & Statistics
STAT 303	SAS Programming & Applied Statistics

**Environmental Electives**

Choose three, at least one of which must be from List A and at least one of which must be at the 300 level): 9

<i>List A</i>	
ENVS 204	Gender, Health & Environment
ENVS 207	Plants and Civilization
ENVS 218	Biodiversity & Biogeography
ENVS 223	Soil Ecology
ENVS 224	Climate & Climate Change
ENVS 226	Science & Conservation of Freshwater Ecosystems
ENVS 227R	Ecology of the Mediterranean Sea
ENVS 267	Bird Conservation and Ecology
ENVS 273	Energy and the Environment
ENVS 274	Chemistry of the Natural Environment
ENVS 278	Hydrology
ENVS 283	Environmental Sustainability
ENVS 298	Special Topics (with SES approval)
ENVS 300	Introduction to Public Health
ENVS 301	Environmental Health
ENVS 303	Introduction to Epidemiology
ENVS 319	
ENVS 320	Conservation Biology
ENVS 322	Invasive Species
ENVS 325	Sustainable Agriculture
ENVS 326	Agroecosystems
ENVS 327	Food Systems Analysis
ENVS 330	Restoration Ecology
ENVS 338	Climate Change and Human Health
ENVS 340	Natural History of Belize
ENVS 345	Conservation and Sustainability of Neotropical Ecosystems
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 352	Sustainability Assessment & Reporting I
ENVS 353	Sustainability Assessment & Reporting II
ENVS 369	Field Ornithology

ENVS 380	Introduction to Geographic Information Systems
ENVS 381	Advanced GIS Applications
ENVS 382	Remote Sensing
ENVS 385	Introduction to Global Health
ENVS 387	Principles of Ecotoxicology
ENVS 388	
ENVS 389	Ecological Risk Assessment
ENVS 391	Environmental Research
ENVS 395	Environmental Internship
ENVS 398	Special Topics (with SES approval)
ENVS 399	Directed Readings
ANTH 104	The Human Ecological Footprint
ANTH 303	People and Conservation
<i>List B</i>	
COMM 260	Environmental Journalism
ENVS 279	Climate and History
ENVS 297	North American Environmental History
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 332	
ENVS 333	Introduction to the Circular Economy
ENVS 335	Ecological Economics
ENVS 336	Design for Circular & Sustainable Business
ENVS 354	Sustainability Plan Development & Reporting
ENVS 363	Sustainable Business Management
ENVS 364	
ENVS 383	Human Dimensions of Conservation
ENVS 384	Conservation Economics
ENVS 388	
ENVS 391	Environmental Research
ENVS 395	Environmental Internship
ENVS 398	Special Topics (with SES approval)
ENVS 399	Directed Readings
ANTH 317	Ethnographic Methods
COMM 231	Conflict Management and Communication
COMM 234	Interviewing for Communication
COMM 277	Organizational Communication
COMM 363	Research Methods in Advertising/Public Relations
MARK 320	Marketing for Environmental Sustainability
SOCL 206	Principles of Social Research
SOCL 302	Qualitative Research
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
<b>Year One</b>		
<b>Fall</b>		
ENVS 137	Foundations of Environmental Science I	3
<b>Hours</b>		<b>3</b>
<b>Spring</b>		
ENVS 203	Environmental Statistics	3
ENVS 237	Foundations of Environmental Chemistry	3
ENVS 238	Foundations of Environmental Science Lab	1
Justice & Ethics Choice		3
<b>Hours</b>		<b>10</b>
<b>Year Two</b>		
<b>Fall</b>		
ENVS 200	Environmental Careers and Professional Skills	1
ENVS 280	Principles of Ecology	3
ENVS 286	Principles of Ecology Lab	1
<b>Hours</b>		<b>5</b>
<b>Spring</b>		
Environmental Science Elective List A		3
<b>Hours</b>		<b>3</b>
<b>Year Three</b>		
<b>Fall</b>		
Society, Ethics, & Justice Elective		3
<b>Hours</b>		<b>3</b>
<b>Spring</b>		
PLSC 392	Environmental Politics	3
Society, Ethics, & Justice Elective		3
<b>Hours</b>		<b>6</b>
<b>Year Four</b>		
<b>Fall</b>		
ENVS 335	Ecological Economics	3
or ECON 328	or Environmental Economics	
Engaged Learning Choice		3
Policy, Economics, & Resource Management Elective		3
Environmental Science Elective List A or B		3
<b>Hours</b>		<b>12</b>
<b>Spring</b>		
Capstone Choice		3
Methods & Analysis Elective		3
300 Level Environmental Science Elective		3
<b>Hours</b>		<b>9</b>
<b>Total Hours</b>		<b>51</b>

## 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. SCPS 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

- Demonstrate an understanding of scientific, social, and humanistic approaches to environmental questions.
- Appraise the interactions and synergies between the natural world, social systems, and human cultures.
- Advance environmental and social sustainability that integrates scientific research, social analysis, and cultural awareness.
- Engaged actions of self-awareness and social solidarity that reflect a commitment to integral ecology.