

ENVIRONMENTAL POLICY (BA)

Well-designed public policies are critical in maintaining and restoring a healthy environment. Public policies influence air and water quality, land use, biodiversity, and public health and shape crucial efforts to fight climate change. Our environmental policy program prepares students to craft and implement public policies that promote ecological conservation, environmental justice, and innovation toward a green economy.

CURRICULUM

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

| Code | Title | Hours |
|----------------------------------|---|-------|
| Core Curriculum | | |
| ENVS 137 | Foundations of Environmental Science I | 3 |
| ENVS 237 | Foundations of Environmental Science II | 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 |
| ENVS 310 | Introduction to Environmental Law & Policy | 3 |
| PLSC 101 | American Politics | 3 |
| 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 | 3 |
| or 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 369 | Field Ornithology | |
| 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 | |
| Capstone Choice | | |
| Select one of the following: | | 3 |

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| ENVS 390 | Integrative Seminar | |
| ENVS 391C | Independent Environmental Research (Capstone) | |
| ENVS 395C | Environmental Internship (Capstone) | |
| Electives | | 18 |
| See designated elective categories below | | |
| Total Hours | | 57 |

Electives

| Code | Title | Hours |
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| Society, Ethics, and Justice | | |
| Select one of the following: | | 3 |
| 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 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 (with SES approval) | |
| ENVS 395 | Environmental Internship (with SES approval) | |
| ENVS 398 | Special Topics (with SES approval) | |
| ENVS 399 | Directed Readings (with SES approval) | |
| COMM 101 | Public Speaking & Critical Thinking | |
| COMM 260 | Environmental Journalism | |
| COMM 277 | Organizational Communication | |
| COMM 306 | Environmental Advocacy | |
| COMM 322 | Guerilla Media | |
| COMM 379 | Digital Sustainability | |
| 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 two of the following: | | 6 |
| ENVS 298 | Special Topics (with SES approval) | |
| ENVS 300 | Introduction to Public Health | |
| 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 332 | Industrial Ecology | |

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| ENVS 333 | Introduction to the Circular Economy | ENVS 215 / | Ornithology |
| ENVS 335 | Ecological Economics | BIOL 215 | |
| ENVS 336 | Design for Circular & Sustainable Business | ENVS 218 | Biodiversity & Biogeography |
| ENVS 338 | Climate Change and Human Health | ENVS 223 | Soil Ecology |
| ENVS 363 | Sustainable Business Management | ENVS 224 | Climate & Climate Change |
| ENVS 364 | Sustainability Management in the Global Context | ENVS 226 | Science & Conservation of Freshwater Ecosystems |
| ENVS 383 | Human Dimensions of Conservation | ENVS 227R | Ecology of the Mediterranean Sea |
| ENVS 384 | Conservation Economics | ENVS 267 | Bird Conservation and Ecology |
| ENVS 389 | Ecological Risk Assessment | ENVS 273 | Energy and The Environment |
| ENVS 391 | Environmental Research (with SES approval) | ENVS 274 | Chemistry of the Environment |
| ENVS 395 | Environmental Internship (with SES approval) | ENVS 278 | Hydrology |
| ENVS 398 | Special Topics (with SES approval) | ENVS 279 | Climate and History |
| ENVS 399 | Directed Readings (with SES approval) | ENVS 283 | Environmental Sustainability |
| ECON 328 | Environmental Economics | ENVS 297 | North American Environmental History |
| GLST 305 | Globalization and Environmental Sustainability | ENVS 298 | Special Topics (with SES approval) |
| MGMT 201 | Managing People and Organizations | ENVS 300 | Introduction to Public Health |
| PLSC 354 | Global Environmental Politics | ENVS 301 | Environmental Health |
| Methods and Analysis | | | |
| Select one of the following: | | 3 | |
| COMM 260 | Environmental Journalism | ENVS 303 | Introduction to Epidemiology |
| ENVS 298 | Special Topics (with SES approval) | ENVS 311 | Natural Resources and Land Use Law & Policy |
| ENVS 327 | Food Systems Analysis | ENVS 312 | Water Law & Policy |
| ENVS 352 | Sustainability Assessment & Reporting I | ENVS 313 | Energy Law & Policy |
| ENVS 353 | Sustainability Assessment & Reporting II | ENVS 319 | Winter Ecology |
| ENVS 354 | Sustainability Plan Development & Reporting | ENVS 320 | Conservation Biology |
| ENVS 380 | Introduction to Geographic Information Systems | ENVS 322 | Invasive Species |
| ENVS 381 | Advanced GIS Applications | ENVS 323 | Environmental Microbiology |
| ENVS 382 | Remote Sensing | ENVS 325 | Sustainable Agriculture |
| ENVS 384 | Conservation Economics | ENVS 326 | Agroecosystems |
| ENVS 388 | Applied Environmental Statistics | ENVS 327 | Food Systems Analysis |
| ENVS 389 | Ecological Risk Assessment | ENVS 330 | Restoration Ecology |
| ENVS 391 | Environmental Research | ENVS 338 | Climate Change and Human Health |
| ENVS 395 | Environmental Internship | ENVS 340 | Natural History of Belize |
| ENVS 398 | Special Topics (with SES approval) | ENVS 345 | Conservation and Sustainability of Neotropical Ecosystems |
| ENVS 399 | Directed Readings | ENVS 350A | Solutions to Environmental Problems: Water |
| ANTH 317 | Ethnographic Methods | ENVS 350B | Solutions to Environmental Problems: Biogas |
| BIOL 335 | Intro to Biostatistics | ENVS 350C | Solutions to Environmental Problems: Climate Action |
| COMM 231 | Conflict Management and Communication | ENVS 350F | Solutions to Environmental Problems: Food Systems |
| COMM 234 | Interviewing for Communication | ENVS 351 | Introduction to Sustainability Concepts & Impacts |
| COMM 277 | Organizational Communication | ENVS 352 | Sustainability Assessment & Reporting I |
| COMM 363 | Research Methods in Advertising/Public Relations | ENVS 353 | Sustainability Assessment & Reporting II |
| MARK 320 | Marketing for Environmental Sustainability | ENVS 354 | Sustainability Plan Development & Reporting |
| SOCL 206 | Principles of Social Research | ENVS 369 | Field Ornithology |
| SOCL 301 | Statistics for Social Research | ENVS 380 | Introduction to Geographic Information Systems |
| SOCL 302 | Qualitative Research | ENVS 381 | Advanced GIS Applications |
| STAT 203 | Introduction to Probability & Statistics | ENVS 385 | Introduction to Global Health |
| STAT 303 | SAS Programming & Applied Statistics | ENVS 387 | Principles of Ecotoxicology |
| Environmental Electives | | | |
| Select two of the following: | | 6 | |
| COMM 260 | Environmental Journalism | ENVS 388 | Applied Environmental Statistics |
| ENVS 204 | Gender, Health & Environment | ENVS 389 | Ecological Risk Assessment |
| ENVS 207 | Plants and Civilization | ENVS 391 | Environmental Research (with SES approval) |
| | | ENVS 395 | Environmental Internship (with SES approval) |
| | | ENVS 398 | Special Topics (with SES approval) |

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| ENVS 399 | Directed Readings (with SES approval) |
| ANTH 104 | The Human Ecological Footprint |
| ANTH 303 | People and Conservation |
| BIOL, CHEM, PHYS 300-level courses (with SES approval) | |
| Total Hours | 18 |

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

- Describe the need for government intervention and the policy process.
- Explain the major US federal environmental laws and international agreements.
- Recognize the role of state and local innovation in environmental policy.
- Engage in environmental policy advocacy, development, and implementation.
- Evaluate the effectiveness of the policy toward 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.