ENVIRONMENTAL STUDIES MAJOR

Requirements

The major requires 12 courses, up to eight of which may also count toward the core curriculum through appropriate course selection.

Summary of Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENST 1000</td>
<td>Introduction to Environmental Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Three natural science courses:

- One physical science course
- One life science course
- One physical or life science course

ECON 1200  Basic Microeconomics  3
One course in Environmental History and Culture  3
One course in Environmental Economics  3
One course in Environmental Politics and Law  3
One course in Environmental Ethics and Justice  3
One course in Sustainable Design  3
ENST 3000  Environmental Research Methods  4
ENST 4000  Senior Thesis  4

First Year Introductory Course

This course provides an overview of environmental problems and their societal causes and effects from natural science, social science, and humanities perspectives, and introduces students to interdisciplinary methods of integrating these disciplines in policy solutions to environmental problems.

1. One course in introductory environmental studies.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENST 1000</td>
<td>Introduction to Environmental Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

First Year/Sophomore Natural Science Courses

The following natural science courses provide foundational knowledge of physics, chemistry, and biology. Additional natural science courses (and/or a minor in biological sciences) can be taken in order to pursue a career track in conservation biology (see Career Tracks on the program website). If you have relevant AP or IB exams with a score of 4 or 5 (HL score of 6 or 7 for IBs), such exam credit might count toward the following requirements.

Note that some courses have prerequisites that must be completed. Among science courses, courses with the NSCI (Natural Science) and HPLC (Honors Program Lincoln Center) subject codes are offered at the Lincoln Center campus, while courses with the PHYS (Physics), CHEM (Chemistry), BISC (Biological Sciences), and HPRH (Honors Program Rose Hill) subject codes are offered at Rose Hill campus.

Environmental Studies Natural Science courses (Physical and Life) all have the ESNS attribute.

2. One Environmental Studies Physical Science course.

CHEM 1109 Chemistry of the Environment  3
CHEM 1321 General Chemistry I  4
ENVS 3000 Environmental Science  3
HPLC 1603 Honors: Natural Science I  4
HPRH 1101 Interdisciplinary STEM I  3
NSCI 1020 Physical Science: Today's World  3
NSCI 1321 General Chemistry Lecture I  4
NSCI 1501 General Physics Lecture I  3
NSCI 2060 Environment: Science, Law, and Policy  3
PHYS 1203 Environmental Physics  3
PHYS 1501 General Physics I  3
PHYS 1601 Introduction to Physics I  4
PHYS 1701 Physics I  3

3. One Environmental Studies Life Science course.

BISC 1002 Ecology: A Human Approach or NSCI 1040 People and the Living Environment is recommended, but any course listed below may apply to this requirement.

Environmental Studies Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 4722</td>
<td>Primate Ecology and Conservation</td>
<td>4</td>
</tr>
<tr>
<td>BISC 1000</td>
<td>Life on the Planet Earth</td>
<td>3</td>
</tr>
<tr>
<td>BISC 1002</td>
<td>Ecology: A Human Approach</td>
<td>3</td>
</tr>
<tr>
<td>BISC 1403</td>
<td>Introductory Biology I</td>
<td>3</td>
</tr>
<tr>
<td>BISC 1404</td>
<td>Introductory Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BISC 2561</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>HPLC 1604</td>
<td>Honors: Natural Science II</td>
<td>4</td>
</tr>
<tr>
<td>HPRH 1201</td>
<td>Interdisciplinary STEM II</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1040</td>
<td>People and the Living Environment</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1403</td>
<td>General Biology Lecture I</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1404</td>
<td>General Biology Lecture II</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1423</td>
<td>Concepts in Biology Lecture I</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1424</td>
<td>Concepts in Biology Lecture II</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 2010</td>
<td>Global Ecology Lecture</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 2060</td>
<td>Environment: Science, Law, and Policy</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 2142</td>
<td>Paleoecology Lecture</td>
<td>3</td>
</tr>
</tbody>
</table>

4. One Environmental Studies Physical Science or Life Science course.

Students should select one additional physical science (ESPS attribute) or life science (ESLS attribute) course.

Environmental Studies Natural Science courses (Physical and Life) all have the ESNS attribute.
5. One course in introductory economics.
Course  Title  Credits
ECON 1200 Basic Microeconomics 3

Upper-Level Courses
The following courses provide advanced knowledge and methods in the policy areas of environmental economics, design, politics and law, history, anthropology, media and communications, and ethics and justice. Students can make course selections in these areas in order to pursue a particular career track (see Career Tracks on the program website).

6. One course in environmental history and culture.
HIST 3990 North American Environmental History or ANTH 4373 Environment and Human Survival is recommended, but any course listed below may apply to this requirement.

Courses in this group have the ESHC attribute.
Course  Title  Credits
ANTH 2700 You Are What You Eat: The Anthropology of Food 4
ANTH 3380 Hazards, Disasters, and Human Experience 4
ANTH 4373 Environment and Human Survival 4
ANTH 4722 Primate Ecology and Conservation 4
COMC 4115 Communication and the Food System 4
COMC 4222 Media and the Environment 4
ENGL 3209 Ecocriticism from Milton to Today 4
ENGL 3424 Romantics and Their World 4
ENGL 3633 The Enlightened Earth: American Literature and Culture After 1945 4
ENGL 3634 The Literature of Climate Crisis 4
ENGL 3909 Interspecies Friendship 4
ENGL 3916 Animals in Literature 4
ENGL 4107 Seminar: Ecology on the Edge: Climate Change and Literature 4
ENGL 4216 Animal Welfare in Literature and Culture 4
HIST 3364 Environmental History of the Atlantic World, 1250-1650 4
HIST 3538 The Good Earth? 4
HIST 3564 Environmental History of New York City: A Research Seminar 4
HIST 3990 North American Environmental History 4
HIST 3992 Capitalism 4
HIST 3993 Environmental History. New York City 4
HIST 3994 Climate and Society 4
HIST 3998 People and Other Animals in History 4
HIST 4780 Sem: History of Capitalism 4
HIST 5563 Readings in Environmental History 4
INST 3100 The Global Environment 4
SOCI 3142 Environmental Sociology 4
SOCI 3145 Environment Technology Society 4
URST 5070 Environmental History of the American City 3

7. One course in environmental economics.
ECON 3850 Environmental Economics or ECON 4030 Environmental Economic Policy is recommended, but any course listed below may apply to this requirement.

Courses in this group have the ESEC attribute.
Course  Title  Credits
ECON 3430 ST: Sustainable Business 4
ECON 3850 Environmental Economics 4
ECON 4030 Environmental-Economic Policy 4
HIST 3992 Capitalism 4
HIST 4780 Sem: History of Capitalism 4
LPBU 3430 ST: Sustainable Business 3

8. One course in environmental politics and law.
POSC 3307 Environmental Politics or POSC 3131 Politics, Urban Health, and Environment is recommended, but any course listed below may apply to this requirement.

Courses in this group have the ESPL attribute.
Course  Title  Credits
ENST 3307 Environmental Politics 4
ENST 3308 Catastrophe and Human Survival 4
NSCI 2060 Environment: Science, Law, and Policy 3
PSTJ 3100 Environmental Justice 4
POSC 3131 Politics, Urban Health, and Environment 4
POSC 3307 Environmental Politics 4

9. One course in environmental ethics and justice.
PHIL 3109 Environmental Ethics, PHIL 3712 Global Environment and Justice, PHIL 3990 Environmental Worldviews and Ethics, PHIL 4302 Environmental Policy and Ethics, PHIL 4409 Environmental Ethics, PSTJ 3200 Environmental Justice, or THEO 4008 Religion and Ecology is recommended, but any course listed below may apply to this requirement.

Courses in this group have the ESEJ attribute.
Course  Title  Credits
AFAM 3530 Race, Climate Change, and Environmental Justice in the African Diaspora 4
ENGL 3916 Animals in Literature 4
ENGL 4216 Animal Welfare in Literature and Culture 4
PHIL 3109 Environmental Ethics 4
PHIL 3712 Global Environment and Justice 4
PHIL 3722 Native American Philosophy 4
PHIL 3990 Environmental Worldviews and Ethics 4
PHIL 4302 Environmental Policy and Ethics 4
PHIL 4409 Environmental Ethics 4
PSTJ 3200 Environmental Justice 4
THEO 4008 Religion and Ecology 4
THEO 4520 Animals, Angels, and Aliens: Beyond the Human in Christian Thought 3
10. One course in sustainable design.
VART 2050 Designing the City or VART 2055 Environmental Design is recommended, but any course listed below may apply to this requirement.

Courses in this group have the ESSD attribute.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARHI 4555</td>
<td>Art and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>VART 2050</td>
<td>Designing the City</td>
<td>4</td>
</tr>
<tr>
<td>VART 2055</td>
<td>Environmental Design</td>
<td>4</td>
</tr>
<tr>
<td>VART 2070</td>
<td>Architectural Design I</td>
<td>4</td>
</tr>
<tr>
<td>VART 2424</td>
<td>Art and Action on the Bronx River</td>
<td>4</td>
</tr>
<tr>
<td>VART 3055</td>
<td>Ecology for Designers</td>
<td>4</td>
</tr>
</tbody>
</table>

11. One course in research and statistical methods.
ENST 3000 Environmental Research Methods, normally offered each fall and taken in the senior year, provides an overview of environmental studies methods in preparation for ENST 4000 Senior Thesis. See note under 12. below regarding possible course substitution.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENST 3000</td>
<td>Environmental Research Methods</td>
<td>4</td>
</tr>
</tbody>
</table>

Senior Thesis Capstone

12. Senior Thesis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENST 4000</td>
<td>Senior Thesis</td>
<td>4</td>
</tr>
</tbody>
</table>

This course, normally offered each spring and taken in the senior year, involves writing a 50-page research thesis on an environmental issue of the student's choice.

Double majors can substitute for this course a double-counted thesis course from another program (such as HPRH, HPLC, URST, INST, HUST) if at least 50% of the thesis will be on an environmental topic, the college limit on 2 double-counted courses between majors is not violated, the student completes an approved upper-level course with an ENST attribute in place of ENST 3000 Environmental Research Methods, and the student secures permission from both program directors before the start of their senior year.

If a student wishes to double count ENST 4000 Senior Thesis toward the thesis requirement in another major program, they need to find out if this is permitted by the other program and what the requirements for this might be, and secure the permission of both program directors. Double majors in the program are discouraged from writing two long research theses in their already busy and challenging senior year.

Availability

The major in environmental studies is available at Fordham College at Rose Hill and Fordham College at Lincoln Center. Students in Fordham’s School of Professional and Continuing Studies may major in environmental studies only if they receive the approval of their advising dean and/or department, and their schedules are sufficiently flexible to permit them to take day courses at the Rose Hill or Lincoln Center campuses.

Fordham College at Rose Hill students: The requirements above are in addition to those of the Core Curriculum.

Fordham College at Lincoln Center students: The requirements above are in addition to those of the Core Curriculum.

Professional and Continuing Studies students: The requirements above are in addition to those of the PCS Core Curriculum and any additional electives that may be required to earn a minimum of 124 credits.

Updated: 07-25-2021