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>
<tr>
<td>Three natural science courses</td>
<td>At least one must be a physical science</td>
<td>9</td>
</tr>
<tr>
<td>ECON 1200</td>
<td>Basic Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>One course in Environmental History and Culture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>One course in Environmental Economics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>One course in Environmental Politics and Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>One course in Environmental Ethics and Justice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>One course in Sustainable Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENST 3000</td>
<td>Environmental Research Methods</td>
<td>4</td>
</tr>
<tr>
<td>ENST 4000</td>
<td>Senior Thesis</td>
<td>4</td>
</tr>
</tbody>
</table>

Freshman 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>

Freshman/Sophomore Natural Science Courses

The following natural science courses provide foundational knowledge of physics, chemistry, and biology. Additional natural science courses can be taken by choosing a concentration in conservation biology and minor in biological sciences (see the major concentrations and career tracks page on the program website). If you have relevant AP courses with a score of at least 4, these courses might count toward the following requirements.

2-4. Three of the following natural science courses, at least one of which should be a physical science and one a life science.

Note that some courses have prerequisites that must be completed. Among science courses, courses with the NSCI (Natural Sciences) 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.

BISC 1002 Ecology: A Human Approach, CHEM 1109 Chemistry of the Environment, PHYS 1203 Environmental Physics, NSCI 1020 Physical Science: Today's World, NSCI 1040 People and the Living Environment and NSCI 2010 Global Ecology Lecture are recommended, but any course listed below may apply to this requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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 1401</td>
<td>Introduction to Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BISC 1402</td>
<td>Introduction to Biology II</td>
<td>4</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>CHEM 1109</td>
<td>Chemistry of the Environment</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1321</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>ENVS 3000</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>HPLC 1603</td>
<td>Honors: Natural Science I</td>
<td>4</td>
</tr>
<tr>
<td>HPLC 1604</td>
<td>Honors: Natural Science II</td>
<td>4</td>
</tr>
<tr>
<td>HPRH 2004</td>
<td>Honors: Science I</td>
<td>3</td>
</tr>
<tr>
<td>HPRH 2005</td>
<td>Honors: Science II</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1020</td>
<td>Physical Science: Today's World</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1040</td>
<td>People and the Living Environment</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1321</td>
<td>General Chemistry Lecture I</td>
<td>4</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 1501</td>
<td>General Physics Lecture I</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>PHYS 1203</td>
<td>Environmental Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1501</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1601</td>
<td>Introduction to Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1701</td>
<td>Physics I</td>
<td>3</td>
</tr>
</tbody>
</table>

Freshman/Sophomore Social Science Courses

The following courses provide foundational skills in economics and statistics. If you have relevant AP courses with a score of at least 4, these courses might count toward the following requirements.

5. One course in introductory economics.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 1200</td>
<td>Basic Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

Upper Policy Areas, Electives and Concentrations

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. To develop a concentration in one of these areas, see the major concentrations and career tracks page on the program website.

6. One course in environmental history and culture.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 2700</td>
<td>You Are What You Eat: The Anthropology of Food</td>
<td>4</td>
</tr>
</tbody>
</table>
Environmental Policy & Ethics

Justice

PHIL 3109 Environmental Ethics

9. One course in environmental ethics and justice.

Courses in this group have the ESEJ attribute.

Course                        Title                                Credits
ENGL 3916                     Animals in Literature                  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 & Ethics          4
PHIL 4409                     Environmental Ethics                4
PHIL 4502                     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 2055 Environmental Design or VART 2050 Designing the City is recommended, but any course listed below may apply to this requirement.

Courses in this group have the ESSD attribute.

Course                        Title                       Credits
ARHI 4555                     Art and Ecology               4
VART 2050                     Designing the City            4
VART 2055                     Environmental Design         4
VART 2070                     Architectural Design I       4
VART 3055                     Ecology for Designers        4

11. One course in research and statistical methods.

ENST 3000 Environmental Research Methods was formerly ENST 2000. This course allows students to start work early on the required senior thesis and prepare for Senior Thesis.

Course                        Title                       Credits
ENST 3000                     Environmental Research Methods 4

Senior Thesis Capstone

12. Senior Thesis

Course                        Title                         Credits
ENST 4000                     Senior Thesis                  4

This course allows students to concentrate on a particular area of environmental studies in preparation for employment or graduate school and is offered every spring semester at Rose Hill. It requires a 40-page research thesis with possible inclusion of an internship as a case study. It can be used to fulfill the senior thesis capstone requirement only when taken in the senior year, i.e., in one of the student’s last two semesters. The preparatory course ENST 3000 Environmental Research Methods, or other appropriate research methods course, should be taken prior to the thesis course so that students can begin working on their thesis early.

Availability

The major in environmental studies is available at Fordham College at Rose Hill and Fordham College at Lincoln Center. Students in Fordham School of Professional and Continuing Studies may major in

---

ANTH 3380  Hazards, Disasters, and Human Experience 4
ANTH 4373  Environment and Human Survival 4
ANTH 4722  Primate Ecology and Conservation 4
COMC 4222  Media and the Environment 4
ENGL 3424  Romantics and Their World 4
ENGL 3633  The Enlightened Earth: American Lit and Culture After 1945 4
ENGL 3916  Animals in Literature 4
ENGL 4107  Seminar: Ecology on the Edge: Climate Change and Literature 4
ENGL 4147  Food and Globalization 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
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 3840 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
ENST 3000                     Environmental Research Methods 4
ECON 3430                     ST: Sustainable Business      4
ECON 3840                     Environmental-Economic Policy 4
ECON 3850                     Environmental Economics      4
HIST 3992                     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
HUST 2001                     Introduction to Global Health   4
NSCI 2060                     Environment: Science, Law, and Policy 3
PJST 3200                     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 & Ethics, PHIL 4409 Environmental Ethics, 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
ENGL 3916                     Animals in Literature                  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 & Ethics          4
PHIL 4409                     Environmental Ethics                4
PHIL 4502                     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 2055 Environmental Design or VART 2050 Designing the City is recommended, but any course listed below may apply to this requirement.

Courses in this group have the ESSD attribute.

Course                        Title                       Credits
ARHI 4555                     Art and Ecology               4
VART 2050                     Designing the City            4
VART 2055                     Environmental Design         4
VART 2070                     Architectural Design I       4
VART 3055                     Ecology for Designers        4

11. One course in research and statistical methods.

ENST 3000 Environmental Research Methods was formerly ENST 2000. This course allows students to start work early on the required senior thesis and prepare for Senior Thesis.

Course                        Title                       Credits
ENST 3000                     Environmental Research Methods 4

Senior Thesis Capstone

12. Senior Thesis

Course                        Title                         Credits
ENST 4000                     Senior Thesis                  4

This course allows students to concentrate on a particular area of environmental studies in preparation for employment or graduate school and is offered every spring semester at Rose Hill. It requires a 40-page research thesis with possible inclusion of an internship as a case study. It can be used to fulfill the senior thesis capstone requirement only when taken in the senior year, i.e., in one of the student’s last two semesters. The preparatory course ENST 3000 Environmental Research Methods, or other appropriate research methods course, should be taken prior to the thesis course so that students can begin working on their thesis early.

Availability

The major in environmental studies is available at Fordham College at Rose Hill and Fordham College at Lincoln Center. Students in Fordham School of Professional and Continuing Studies may major in
environmental studies only if 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.