### ENVIRONMENTAL SCIENCE MAJOR

<table>
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<tr>
<th>Foundation Courses</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENVS 3000</td>
<td>ENVIRONMENTAL SCIENCE</td>
<td>3</td>
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<td>(Formerly ENVS 1000)</td>
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Select either of the following options:

- **Rose Hill:**
  - BISC 1403 & BISC 1413: INTRODUCTORY BIOLOGY I and INTRODUCTORY BIOLOGY LAB I
  - BISC 1404 & BISC 1414: INTRODUCTORY BIOLOGY II and INTRODUCTORY BIOLOGY LAB II
  - BISC 2561 & BISC 2571: ECOLOGY and ECOLOGY LAB
  - CHEM 1321 & CHEM 1331: GENERAL CHEMISTRY I and GENERAL CHEMISTRY LAB I
  - CHEM 1322 & CHEM 1332: GENERAL CHEMISTRY II and GENERAL CHEMISTRY LAB II
  - CHEM 2521 & CHEM 2531: ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY LAB I FOR CHEM MAJORS
  - PHYS 1501 & PHYS 1511: GENERAL PHYSICS I and PHYSICS I LAB

- **Lincoln Center:**
  - NSCI 1403 & NSCI 1413: GENERAL BIOLOGY LECTURE I and GENERAL BIOLOGY LAB I
  - NSCI 1404 & NSCI 1414: GENERAL BIOLOGY LECTURE II and GENERAL BIOLOGY LAB II
  - NSCI 2010 & NSCI 2011: GLOBAL ECOLOGY LECTURE and GLOBAL ECOLOGY LAB
  - NSCI 1321 & NSCI 1331: GENERAL CHEMISTRY LECTURE I and GENERAL CHEMISTRY LAB I
  - NSCI 1322 & NSCI 1332: GENERAL CHEMISTRY LECTURE II and GENERAL CHEMISTRY LAB II
  - NSCI 3121 & NSCI 3821: ORGANIC CHEMISTRY LECTURE I and ORGANIC CHEMISTRY LAB I
  - NSCI 1501 & NSCI 1511: GENERAL PHYSICS LECTURE I and GENERAL PHYSICS LAB I

Select one of the following:

- MATH 1203: APPLIED CALCULUS I
- MATH 1206: CALCULUS I
- MATH 1207: CALCULUS II

Select one of the following:

- MATH 1205: APPLIED STATISTICS
- MATH 1700: MATHEMATICAL MODELLING

### Science Course Electives

Select at least four courses from the following:

- BISC 2539: GENERAL GENETICS
- BISC 2549: and GENERAL GENETICS LAB
- BISC 3643: MICROBIOLOGY
- BISC 3653: and MICROBIOLOGY LAB
- BISC 3244: EVOLUTIONARY BIOLOGY
- BISC 4642: ANIMAL BEHAVIOR
- CHEM 2522 & CHEM 2532: ORGANIC CHEMISTRY II and ORGANIC CHEMISTRY LAB II FOR CHEM MAJORS
- CHEM 3622 & CHEM 3632: PHYSICAL CHEMISTRY II and PHYSICAL CHEMISTRY LAB II
- CHEM 3721: QUANTITATIVE ANALYSIS
- CHEM 3722: INSTRUMENTAL ANALYSIS
- CHEM 4340: ENVIRONMENTAL CHEMISTRY
- NSCI 3122: ORGANIC CHEMISTRY LECTURE II
- NSCI 3133: GENETICS LECTURE
- NSCI 4112: ANIMAL PHYSIOLOGY LECTURE
- NSCI 4143: ADVANCED MICROBIOLOGY LECTURE
- NSCI 4153: BIOLOGICAL CHEMISTRY LECTURE

### Environmental Science Research or Internships

- ENVS 4401: ENVIRONMENTAL SCIENCE INTERNSHIP I
- & ENVS 4402: ENVIRONMENTAL SCIENCE INTERNSHIP II
- ENVS 4501: ENVIRONMENTAL SCIENCE RESEARCH I
- & ENVS 4502: ENVIRONMENTAL SCIENCE RESEARCH II

### Environmental Policy/Law/Economics

Select two of the following:

- PHIL 3109: ENVIRONMENTAL ETHICS
- NSCI 2060: ENVIRONMENT: SCIENCE, LAW, AND POLICY
- NSCI 4222: SCIENCE, TECHNOLOGY, AND SOCIETY VALUES
- VART 2050: DESIGNING THE CITY
- VART 2055: ENVIRONMENTAL DESIGN
- VART 2085: SUSTAINABLE NEW YORK
- ANTH 4373: ENVIRONMENT AND HUMAN SURVIVAL
- ECON 3850: ENVIRONMENTAL ECONOMICS
- ECON 3385: ECONOMICS OF ENERGY
- HIST 3990: NORTH AMERICAN ENVIRONMENTAL HISTORY (offered every year alternately at RH and LC)
- THEO 4008: RELIGION AND ECOLOGY
- ENGL 3632: POSTMODERN FICTION AND ENVIRONMENTAL JUSTICE

1. Students who plan to enroll in a graduate science program are strongly encouraged to additionally complete Organic Chemistry II with lab as one of their science electives.

### Availability

The major in environmental science 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 science 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 (https://bulletin.fordham.edu/undergraduate/academic-programs-policies-procedures/fordham-college-core-curriculum).

**Fordham College at Lincoln Center students:** The requirements above are in addition to those of the Core Curriculum (https://bulletin.fordham.edu/undergraduate/academic-programs-policies-procedures/fordham-college-core-curriculum).
Professional and Continuing Studies students: The requirements above are in addition to those of the PCS Core Curriculum (https://bulletin.fordham.edu/undergraduate/professional-continuing-studies/core-curriculum).