

## ENVIRONMENTAL SCIENCE TRACK - BA

**Degree:** This track offers a B.A. degree

**Perspective:** This track offers a broad, interdisciplinary perspective on Earth Environments with strong emphasis on literary-social-historical perspectives.

**Intended Audience:**

The program track is intended for those pursuing non-technical (BA) careers or graduate school in policy, law or planning.

**General Education Program:**

Students must complete 4 Tier 1 and 6 Tier 2 Gen Ed courses with at least 2 in each mode of inquiry— The Gen Ed Modes are- Creative Process & Production (CPP); Lang., Lit., and Cultural Studies (LLCS); Scientific and Quantitative Inquiry (SQI); Social and Historical Perspectives (SHP)

**Required General Education Courses for this Track (18 credits)**

Tier 1

- \_\_\_ EESC 121 Mapping the City (3)
- \_\_\_ ENGL 130 Reading the Environment (3)
- \_\_\_ PHIL 113 Environmental Ethics (3)

Tier 2

- \_\_\_ EESC 226 Earth 360: Integrated Geography (3)
- \_\_\_ EESC 250 Plunder: The Race for Natural Resources (3)

Tier 3

- \_\_\_ EESC 3XX Energy, Society and Sustainability (3)

**Recommended General Education Courses for this Track**

- \_\_\_ ECON 115 Money and Markets (3) (Tier 1)
- \_\_\_ POLI 120 Global Challenges (3) (Tier 1)
- \_\_\_ POLI 217 Globalization and Governance (3) (Tier2)
- \_\_\_ SOCI 230 Cities of Industry (3)
- \_\_\_ PHIL 245 Social Justice (3) (Tier 2)
- \_\_\_ PHIL 246 Food, Philosophy and Global Health (3)
- \_\_\_ ART 286 Plotting Global Climate Change: Information Graphics for Sciences (3) (Tier 2)
- \_\_\_ BIOL 240 Scientific Reasoning (3) (Tier 2)

## TRACK REQUIREMENTS

**Mathematics (BA) (3-4 cr):**

- \_\_\_ MATH 140 Statistics (3) or MATH 175 Enhanced Precalculus (4)

**Related Natural Science (BA) (10 credits):**

- BIOL 130 Principles Biology I (4)
- CHEM 100 Prep for Chem (3)
- PHYS 101 Basic Concepts of Physics (3)

**Environmental Science Core Curriculum (24 credits):**

- EESC 135 Our Planet Earth (3) (or EESC 112 Introduction to Geology)
- EESC 201 Environmental Science for All (3) (or EESC 109 Principles of Environmental Science)
- EESC 209 Urban Environmental Issues & Policy (3)
- EESC 231 Water Chronicles (3) or EESC 120 Water Explorer (3)
- EESC 235 Global Climate Change (3)
- EESC 252 GIS I: Contemporary Applications of GIS (3)
- EESC 340 Hydrology I (3)
- EESC 348 Environmental Geology (3)

**Environmental Science BA Electives (12 credits):**

**Choose any 200+ level EESC courses from the following list. For students getting the GIS-certificate only 1 GIS course will count towards the major elective:**

- EESC 221 Essential Methods of Geology (3) (or EESC 2xx Hands on Earth)
- EESC 336 Field Methods (4)
- EESC 349 Introduction to Hazmat Field Techniques (4)
- EESC 350 GIS II: Contemp Analysis w/GIS (3)
- EESC 410 Urban Soil Survey (4)
- EESC 434 Earth Surface Processes (4)
- EESC 437 Environmental Health (3)
- EESC 446 Introduction to Geochemistry (3)
- EESC 447 Introduction to Geophysics (4)
- EESC 455 GIS III: Modeling with GIS (3)