

LAFAYETTE

The Programs in Environmental Science and Environmental Studies

The Environmental Science Minor

The Environmental Science minor requires a total of 6 courses apportioned in 3 components: a core component, a technical component, and a policy/issues component as well as the foundational course EVST 100. No more than three courses required (a) for the student's major or (b) to satisfy Common Course of Study requirements may be counted towards the minor. Students pursuing the minor are required to take 3 courses outside of their major and encouraged to pursue an environmentally oriented Independent Study or Honors Thesis. Please note that some courses have prerequisites; it is the student's responsibility to fulfill any prerequisites. Students pursuing the minor must have the program of study approved by the program director. Any course selection differing from those prescribed below requires a petition to the Environmental Science and Studies Advisory Committee and approval of the Academic Progress Committee.

F – offered in the Fall semester

S – offered in the Spring semester

B – offered in both semesters

This notation is not a guarantee that the course is offered in the indicated semester. It is only a notation of when the course is typically offered. Please consult the Course Schedule listing on the [Office of the Registrar's Website](#).

* denotes courses that have prerequisites

Foundational Course:

EVST 100 An Introduction to the Environment – **F**

Juniors and seniors may substitute another environment-focused course that is outside of their major division. Such a substitution requires approval by the program advisory committee.

<u>Course</u>	<u>Term Taken</u>

Core Component (Choose 2 Courses):

BIOL 233 Environmental Problem Solving in Biology **or** BIOL 234 Environmental Biology* **F or** BIOL 272 Conservation Biology* - **F**

CE 321 Introduction to Environmental Engineering and Science* - **F**

CHEM 252 Environmental Chemistry* - **F**

GEOL 110 Environmental Geology (should be taken during first or second year) – **S**

<u>Course</u>	<u>Term Taken</u>

Technical Component (Choose 2 Courses):

BIOL 215 Phytopathology* - F
BIOL 224 Plant Form, Function, and Adaption* - S
BIOL 225 Microbiology* - **Every 3rd semester**
BIOL 231 Ecology* - S
BIOL 234 Environmental Biology* - F
BIOL 275 Behavioral Ecology* -S
BIOL 272 Conservation Biology* - F
BIOL 332 Advanced Aquatic Ecology* - **F – odd years**
BIOL 342 Restoration Ecology* - F
CE/EVSC 322 Environmental Site Assessment* - S
CE 351 Water Resources Engineering* - S
CE/EVSC 352 Hydrology* - F
CE 423 Water Quality * - **S odd years**
CE 425 Water Supply and Pollution Control* - **S odd years**
CE 451 Open Channel Flow* - **S odd years**
CHE 222* or ME354* Thermodynamics - **F (both courses)**
CHE 311 Transport Phenomena* - F
CHE 342 Atmospheric Engineering and Science*
CHE 370 Alternative Energy Resources - S
CHEM 231 Analytical CHEM *- F
CHEM 252 Environmental Chemistry* - F
EVSC/GEOL 211 Rivers and Watersheds: Form and Function
GEOL 115 Earth Evolution of a Habitable Planet - F
GEOL 120 Geological Disasters: Agents of Chaos - F
GEOL 205 Oceanography* **S – even years**
GEOL 210 Hydrogeology* F
GEOL 215 Sedimentology and Stratigraphy*- S
GEOL 229 Geographical Information Systems and Remote Sensing in Geosciences*- F
GEOL 300 Earth Surface Processes* - S
GEOL 315 Paleoclimatology and Paleoceanography* - S
GEOL 317 Tectonics and Structure of the Earth* - F
GEOL 321 Geochemistry* - **S even years**
GEOL 322/CE 464 Environmental Geophysics* - **S even years**
ME 470 Heat Transfer*- F
ME 475 Thermal/Fluids Systems*- S
ME 483 Power Plants*- **no regular cycle**

<u>Course</u>	<u>Term Taken</u>

Policy/ Issues Component (Choose 1 Course):

A&S 201 Culture and the Environment * S
AFS 330 Cowboys in Africa: Social Transformations and Environmental Justice - S

ECON 202 Environmental Economics* - **S**
 ECON 340 Environmental and Resource Economics* - **F**
 EGRS 251 Introduction to Engineering and Public Policy* - **F**
 EGRS 352 Energy Technology and the Modern World* - **S**
 ENG 276 Literature of the Sea - **F**
 ENG 351 Environmental Writing* - **S**
 EVST 215 Environmental Policy* - **S**
 EVST 220 People, Places and Environments of the Mid-Atlantic - **S**
 EVST 230 Water Problems, Water Solutions - **S**
 EVST 240 Imagined Climates - **F**
 EVST/ENG 247 Nature Writing - **F/S**
 EVST/ART 250 Art and Environment - **F**
 EVST 253 Voices of Environmental Justice - **F**
 EVST 254 Cultures of Nature - **F odd years**
 EVST 260 Unseasonable: Documenting a Changing Climate – **S**
 EVST 350 Works of Toxic Resistance: Rachel Carson and Dolores Huerta - **S**
 EVST 290 Climate Change: The Facts, the Issues, and the Long-Term View - **S**
 EVST 310 Organizations and the Environment* - **F**
 EVST/A&S 315 Food, Culture, & Sustainable Societies* - **no regular cycle**
 EVST/FAMS 363 Environment and Film - **F even years**
 EVST/EGRS 373 Technology and Nature* - **S**
 EVST 380 Sustainability Internship*
 Govt 231 Global Environmental Politics* - **F**
 Hist 252 Transformation of the American Environment - **S**
 IA 240 Pursuing Global Sustainability - **S**
 IA 310 Mapping World Cities - **S**
 PHIL 155 Environmental Ethics - **S**
 THTR 209 Theatre and Environment
 WGS 204 Gender & Environmentalism – **F**

<u>Course</u>	<u>Term Taken</u>