

The Science of the Environment Concentration

The purpose of the Science of the Environment concentration is to prepare science majors for the study of our natural environment and how to solve the relevant problems facing it. Students are required to complete 19-20 hours of course work (research included) to fulfill the requirements for the Science in the Environment concentration. This is in addition to those courses required for the student's major (see exceptions in the IMPORTANT NOTE below).

- BIO 400– Biology majors can use BIO 400 toward their Honors in Biology.
- BIO Elective – Biology majors may use their “Life Science” selection from the concentration to satisfy their Biology elective requirement.

Life Science Selection

Select one of the following: 4

BIO 444 Aquatic Ecology

BIO 445 Biology Of Water Pollution

BIO 446 Restoration Ecology

BIO 447 Global Change Ecology

BIO 462 Conservation Biology

Physical Science Selection

Select one of the following: 4

CHE 321 Chemical Analysis
& CHE 322 and Laboratory Techniques

CHE 431 Environmental Chemistry

ENS 463 Our Changing Climate ¹

ENS 468 Environmental Geology

Techniques Courses

Select two of the following: 7-8

BIO 402 Biometrics

BIO 410 Topics in Biology

CHE 418 Bioanalytical Chemistry

CHE 421 Instrumental Analysis

ENS 404 Fundamentals of Geographic Information Systems

ENS 405 Fundamentals of Remote Sensing

Research Course

BIO 400 ECCE: Undergraduate Research ² 4

Total Hours 19-20

¹ Students must select the four-hour option of this course to meet concentration requirements.

² This must be taken in an environmentally-related research project. Students should consult with their advisor about on-going projects. Internships may also satisfy the research requirement.

IMPORTANT NOTE: Students may not use a major course requirement to satisfy a concentration requirement (or vice versa), with the following exceptions:

- BIO 402– Biology Honors track students may count BIO 402 toward their Honors in Biology, as well as toward the concentration requirements.