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 of the Environment concentration. This is in addition to those courses required for the student's major (see exceptions in the IMPORTANT NOTE below).

Requirements

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 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.
- 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.