## **Overview of Major Requirements: Environmental Geoscience**

## About the Major

This bachelor of science program serves as an excellent major for students who wish to concentrate in the scientific aspects of sustainability, including those who might not be looking toward professional careers as scientists. Many Environmental Geoscience students go on to graduate work in environmental law, environmental policy, or sustainability studies. Students majoring in Environmental Geoscience should work out their programs closely with a departmental advisor to insure both breadth and depth in this subject area.

## **Major Requirements**

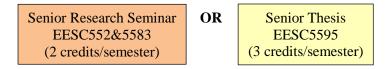
(A) 12 credits in Environmental Systems (ES; 2 credits each; EESC2201-2208, plus labs) **and/or** Exploring the Earth with Lab (4 credits, EESC1132-1133):

ES: The Human Footprint	ES: Water Resources	ES: Ecosystems	ES: The Critical Zone	OR	8 Credits in ES Courses +
ES: Climate Change	ES: Oceans	ES: Earthquakes	ES: Quantitative Methods		Exploring the Earth w/ lab (4 credits)

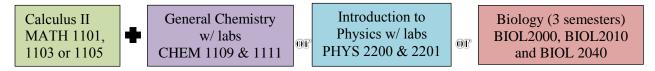
- (B) EESC2220: Earth Materials with Lab (4 credits)
- (C) At least 18 credits of elective courses (examples below):

Environmental Hydrology	Agroecology	Applications of GIS	
Biogeochemical Cycles	Environmental Oceanography	Geomorphology and Landscape Change	
Isotope Geochemistry	Paleoclimate Dynamics	Paleobiology	
Remote Sensing and Image Interpretation	Seismology	Statistical Analysis of Scientific Data	

(D) A senior research experience (at least 4 credits):



(E) 3-4 co-requisite courses in Natural Sciences and Mathematics (at least 12 credits)



## Information for First Year Environmental Geoscience Students

For those students who would like to explore the major in Environmental Geoscience, it is suggested that students take two to four of the Environmental Systems courses (and/or Exploring the Earth) during their first year. The laboratory science requirement (E above) should be taken during the first or second year

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