

# ENVIRONMENTAL SCIENCE MAJOR: (BS PROGRAM) GEOSCIENCE-CHEMISTRY CONCENTRATION



EDGEWOOD COLLEGE

2016-2017 Catalog  
Declaration of Major

Name: \_\_\_\_\_ ID: \_\_\_\_\_

Major Advisor Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Department Chair Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Intended Graduation Month: January August May Intended Graduation Year: \_\_\_\_\_

THIS FORM IS TO ADD/DECLARE A MAJOR. IF YOU WISH TO DROP/REMOVE A PREVIOUSLY DECLARED MAJOR, YOU MUST SUBMIT A SEPARATE MAJOR DECLARATION DROP FORM. THIS FORM IS AVAILABLE AT REGISTRAR.EDGEWOOD.EDU

Requirements for the Environmental Science major include 11 core credits and 43-47 additional credits in the Geoscience-Chemistry Concentration.

## Major Requirements:

## Transfer credit applied (including AP/CLEP/etc):

### Core Courses for the Major:

### Course / Institution

BIO 151	ESU	General Biology: Cell Biology and Ecology*	
		OR	
BIO 181	ESU	Honors General Biology: Cell Biology and Ecology*	
ENVS 216/ GEOS 206	EV	Environmental Geology	
BIO 250/ ENVS 250	EV	Introduction to Environmental Science	

## Geoscience-Chemistry Concentration:

Concentration totals: 54-58 credits (including major core (11), requirements for concentration (27-29),  
electives(14), and Math (2-4).

CHEM 120	S	General Chemistry I*	
CHEM 121	S	General Chemistry II*	
CHEM 115	S	Chemistry of Energy & Society	
		OR	
CHEM 200	2E	Green and Sustainable Chemistry*	
CHEM 351	U	Analytical Chemistry*	
CHEM 480	K	Chemistry Seminar*	
GEOS 102	S	Introduction to Earth Science*	
GEOS 203	S	Historical Geology*	
GEOS 301	S	Weather and Climate*	

One of the following Mathematics courses:

MATH 114A	M	Precalculus A: College Algebra*	
MATH 114B		Precalculus B: Trigonometry*	
MATH 231	M	Calculus I*	

14 elective credits, to include at least two 300+ level courses in Chemistry or Geoscience

BIO 152	S	General Biology: Genetics and Evolution*	
		OR	
BIO 182	S	Honors General Biology: Information Flow in Living Systems*	
BIO 204		Field Biology	
BIO 206	EV	Natural Communities of Wisconsin	
BIO 275	E	Dendrology: Trees and Shrubs of Wisconsin	
BIO 292		Biology Excursions*	
BIO 312	S	Microbiology*	
BIO 333	E	Ecological History of Civilization*	
BIO 351		Organismal Botany*	
BIO 352		Organismal Zoology*	
BIO 401		Genetics*	
BIO 425		Animal Physiology*	
BIO 430	S	Animal Behavior*	
CHEM 200	2E	Green and Sustainable Chemistry*	
CHEM 471		Inorganic Chemistry II*	
GEOS 103	S	Oceans & Atmosphere*	
GEOS 265	E	Environmental Conservation	
GEOS 266		Mapping Wisconsin	
GEOS 292		Geoscience Excursions*	
GEOS 379/479		Independent Study in Geoscience*	
GEOS 469		Special Topics in Geoscience*	

\*course has prerequisites

**Policies:**

Transfer students must take a minimum of 12 geoscience/chemistry credits (for Geoscience-Chemistry Concentration) at Edgewood College.

Students with specific goals for careers or post-graduate study may be advised to take some courses at the University of Wisconsin-Madison through Edgewood College’s Collaborative Program.

Geoscience- Chemistry Concentration students must maintain a cumulative grade point average of 2.5 or higher in ALL Geoscience and Chemistry courses used to fulfill the major requirements (courses listed on Degree Audit). Only Biology, Chemistry, Geoscience, or Math courses in which the student receives a grade of CD or better will be accepted toward the major.