

ENVIRONMENTAL SCIENCE MAJOR:

(BS PROGRAM)

GEOSCIENCE-CHEMISTRY CONCENTRATION

2017-2018 Catalog

Information Sheet



EDGEWOOD COLLEGE

This Information Sheet is for advising purposes only. Do not submit this form as a Major/Minor Declaration Form; a separate form is required to declare your major/minor.

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

Major Requirements:

Core Courses for the Major:

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

Geoscience-Chemistry Concentration:

Concentration totals: at least 54 credits (including major core (11), 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 (CHEM prefix) or Geoscience (GEOS prefix)

BIO 152	S	General Biology: Cells and Molecules*
		OR
BIO 182	S	Honors General Biology: Cells and Molecules*
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 353		Organismal Biology*
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.