

ENVIRONMENTAL SCIENCE: CHEMISTRY- GEOSCIENCE CONCENTRATION (BS PROGRAM)

Declaration of Major | 2014-2015 Catalog



EDGEWOOD COLLEGE

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 10 core credits, 23-24 credits in the Biology Concentration or 27-29 credits in the Geoscience-Chemistry Concentration, and 18 Biology concentration or 14 Geoscience-Chemistry concentration elective credits

Completion of the Biology concentration includes participation in independent research. Each Biology concentration student will present his/her research project in the Biology Seminar (BIO 480). Biology concentration students should consult with their advisor about the requirement at the time that the major is declared.

Core Courses of the Major

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

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

Course/Institution:

CHEMISTRY-GEOSCIENCE CONCENTRATION

Required Courses, 27-29 credits:

- CHEM 120 S General Chemistry I
- CHEM 121 S General Chemistry II
- CHEM 200 2E Green and Sustainable Chemistry
OR
- CHEM 115 S Chemistry of Energy Sources & Society
- 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 & Climate*

*Course has prerequisite

One of the following mathematics courses:

- MATH 114A M Precalculus A: Algebra,
- MATH 114B M Precalculus B: Trigonometry
- MATH 231 M Calculus I

Electives, 14 credits:

Must include at least two 300+ level courses in Chemistry or Geoscience:

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

*Course has prerequisite

Concentration totals 51-53 credits

Policies for Environmental Science Majors

Students majoring in Environmental Science should seek assistance in planning their program of study with an advisor in the department.

Transfer students must take a minimum of 12 geoscience/chemistry credits 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 GPA of 2.5 in geoscience and chemistry courses.

A Geoscience or Chemistry course in which the student receives a grade below "CD" will not be accepted toward the Geoscience-Chemistry concentration.