

BROAD FIELD SCIENCE TEACHING MAJOR: LIFE AND ENVIRONMENTAL SCIENCE INCLUDING BIOLOGY AND ENVIRONMENTAL STUDIES (BS PROGRAM)

Declaration of Major | 2013-2014 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.

This major is designed for individuals seeking certification to teach general science, biology, and/or environmental science at the Early Adolescence through Adolescence level (Ages 10-21; grades 7-12; WDPI licenses 601, 605, 606, and 615). This major requires completion of the requirements listed below, the Education professional requirements and the licensing requirements for teacher education (see EDUCATION).

Broad Field Science Teaching majors with Life and Environmental Science Including Biology and Environmental Studies seeking Wisconsin certification will be required to pass PRAXIS Exam 10435 to be eligible for certification. This major aligns with “WDPI Content Guidelines for Life and Environmental Science Including Biology and Environmental Studies.”

Fifty-eight credits in natural science to include:

Required courses:

<input type="checkbox"/>	BIO 151	ESU	General Biology: Cell Biology and Ecology
<input type="checkbox"/>	BIO 152	S	General Biology: Genetics and Evolution
<input type="checkbox"/>	BIO 250	EV	Environmental Biology
<input type="checkbox"/>	BIO 312	S	Microbiology
<input type="checkbox"/>	BIO 351		Organismal Botany
<input type="checkbox"/>	BIO 352		Organismal Zoology
<input type="checkbox"/>	BIO 401		Genetics
<input type="checkbox"/>	BIO 450	E	Ecology
<input type="checkbox"/>	BIO 489		Field/Laboratory Research
<input type="checkbox"/>	CHEM 120	S	General Chemistry I
<input type="checkbox"/>	CHEM 121	S	General Chemistry II
<input type="checkbox"/>	PHYS 130 & 131	S	General Physics & General Physics II
	OR		
<input type="checkbox"/>	PHYS 201 & 202	S	College Physics I & College Physics II
<input type="checkbox"/>	GEOS 102	S	Introduction to Earth Science
<input type="checkbox"/>	GEOS 103	S	Oceans and Atmospheres
<input type="checkbox"/>	NATS 250	PV	History & Philosophy of Science

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

Course/Institution:

At least six credits in mathematics:

<input type="checkbox"/>	MATH 121	M	Statistics
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And one of the following:

<input type="checkbox"/>	MATH 114A	M	Precalculus A: Algebra
<input type="checkbox"/>	MATH 231	M	Calculus I

- MATH 232 M Calculus II
- MATH 233 M Calculus III

One of the following social science courses:

- PS 351 Selected Issues in Public Policy
- PS 352 Environmental Politics
- GEOG 265 Environmental Conservatism

One semester of the methods of teaching science and accompanying practicum:

- NATS 495S Teaching Science in Middle/Secondary Schools

Students must be accepted into Emergent Professional Transition before being admitted to NATS 459S.

Students will complete the WDPI content exam, PRAXIS Exam 10435, with a passing score.