

BFS TEACHING MAJOR: LIFE AND ENVIRONMENTAL SCIENCE INCLUDING BIOLOGY AND ENVIRONMENTAL SCIENCE

(BS PROGRAM)



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

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 legible for certification. This major aligns with “WDPI Content Guidelines for Life and Environmental Science Including Biology and Environmental Studies.”

Major Requirements:

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

Fifty-eight (58) required Biology credits to include the following core courses:

Course / Institution

BIO 151	ESU	General Biology: Cell Biology and Ecology*	
		OR	
BIO 181	ESU	Honors General Biology: Cell Biology and Ecology*	
BIO 152	S	General Biology: Genetics and Evolution*	
		OR	
BIO 182	S	Honors General Biology: Information Flow in Living Systems*	
BIO 250	EV	Introduction to Environmental Science	
BIO 312	S	Microbiology*	
BIO 351		Organismal Botany*	
BIO 352		Organismal Zoology*	
BIO 401		Genetics*	
BIO 450	E	Ecology*	
BIO 489		Field/Laboratory Research*	

CHEM 120	S	General Chemistry I*	
CHEM 121	S	General Chemistry II*	
GEOS 102	S	Introduction to Earth Science*	
GEOS 103	S	Oceans and Atmosphere*	
NATS 250	PV	History & Philosophy of Science*	
PHYS 130 & 131	S	General Physics I AND General Physics II*	
		OR	
PHYS 201	SU	College Physics I*	
		AND	
PHYS 202	S	College Physics II*	

At least 6 credits in Mathematics, including:

MATH 121	M	Statistics*	
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One Mathematics course from the following:

MATH 114A	M	Precalculus A: College Algebra*	
MATH 231	M	Calculus I*	
MATH 232	M	Calculus II*	
MATH 233	M	Calculus III*	

One of the following Social Science courses:

GEOG 265	E	Environmental Conservation	
PS 351		Selected Issues in Public Policy	
PS 352	EJ	Environmental Politics	

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

NATS 459		Teaching Science in Middle/Secondary Schools*	
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Students must be fully admitted to the teacher education program and have completed their science coursework before enrolling in NATS 459.

** Course has prerequisites*

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