

# BROAD FIELD SCIENCE TEACHING MAJOR: EARTH AND SPACE SCIENCE (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.

This major is designed for individuals who wish to be certified to teach general science and/or the earth and space sciences at the secondary level (WDPI category Early Adolescence through Adolescence, ages 10- 21; WDPI licenses 621 and 635). The 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 Earth and Space Science seeking Wisconsin certification will be required to pass PRAXIS Exam 10435 to be eligible for certification. This major aligns with “WDPI Content Guidelines for Earth and Space Science.”

### Fifty-two credits in natural science to include:

Required courses:

<input type="checkbox"/>	BIO 151	ESU	General Biology: Cell Biology and Ecology OR
<input type="checkbox"/>	BIO 181	ESU	Honors General Biology: Cell Biology and Ecology
<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"/>	GEOS 102	S	Introduction to Earth Science I
<input type="checkbox"/>	GEOS 103	S	Oceans and Atmosphere
<input type="checkbox"/>	GEOS 203	S	Historical Geology
<input type="checkbox"/>	ENVS 216/ GEOS 206	EV	Environmental Geology
<input type="checkbox"/>	GEOS 301	S	Weather and Climate
<input type="checkbox"/>	PHYS 250	V	Survey of Astronomy OR
<input type="checkbox"/>	CHEM 120	S	General Chemistry I AND
<input type="checkbox"/>	CHEM 121	S	General Chemistry II
<input type="checkbox"/>	NATS 250	PV	History and Philosophy of Science

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

Course/Institution:


One of the following:

PHYS 130 S General Physics I  
AND

PHYS 131 S General Physics II  
OR

PHYS 201 SU College Physics I

PHYS202 S College Physics II

2 credits total from the following courses:

GEOS 479 Independent Study (1 credit)

GEOS 489 Undergraduate Research (1 credit)

At least 6 credits in mathematics:

MATH 121 M Statistics

And one of the following:

MATH 114A M Precalculus A: Algebra

MATH 231 M Calculus I

MATH 232 M Calculus II

MATH 233 M Calculus III

One semester of methods of teaching science and accompanying practicum:

NATS 459S Teaching Science in Middle/ Secondary Schools

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

*Completion of WDPI content exam, PRAXIS Exam 10435, with a passing score.*

### **Policies:**

Transfer students must take a minimum of 12 natural science credits (i.e. CHEM, PHYS, GEOS, BIO) at Edgewood College for these majors.

Science education students must attain a cumulative GPA of 3.0 in their natural science courses.

Any natural science or mathematics course in which a student receives a grade below "CD" will not be accepted toward the major.

If a course is retaken, only the most recent grade is taken into consideration in calculating the cumulative GPA.

Please consult with your academic advisor to learn the details about how you can satisfy your COR 3 requirement.