

# BROAD FIELD SCIENCE TEACHING MAJOR: EARTH AND SPACE SCIENCE (BS PROGRAM)

Declaration of Major | 2012-2013 Catalogue



EDGEWOOD COLLEGE

Name: \_\_\_\_\_ ID: \_\_\_\_\_

Major Advisor Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Department Chair Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Intended Graduation Month:  January  August  May Intended Graduation Year: \_\_\_\_\_

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-one credits in natural science to include:

- GEOS 102 S Introduction to Earth Science I
- GEOS 103 S Oceans and Atmosphere
- GEOS 203 S Historical Geology
- GEOS 206 EV Environmental Geology
- GEOS 301 S Weather and Climate
- GEOS 479 Independent Study
- GEOS 489 Undergraduate Research
- PHYS 250 V Survey of Astronomy
- BIO 151 ESU General Biology I
- BIO 152 S General Biology II
- CHEM 120 S General Chemistry I
- CHEM 121 S General Chemistry II
- PHYS 130 & 131 S General Physics I & General Physics II  
OR
- PHYS 201 & 202 S College Physics I & College Physics II
- NATS 250 PV History and Philosophy of Science

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

Course/Institution:

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## At least 6 credits in mathematics:

- MATH 121 M Statistics

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## And one of the following:

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

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

- NATS 459S Teaching Science in Middle/ Secondary Schools

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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 for the Broad Field Natural Science Teaching Major**

Science education students must attain a cumulative grade point average of 3.0 in their natural science courses. If a course is retaken, only the most recent grade is taken into consideration in calculating the cumulative grade point average. Any natural science or mathematics course in which a student receives a grade below "CD" will not be accepted toward the major.

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

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