

# BROAD FIELD SCIENCE TEACHING MAJOR: PHYSICAL SCIENCE INCLUDING CHEMISTRY (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 and chemistry at the Early Adolescence through Adolescence level (Ages 10-21; grades 7-12; WDPI licenses 610, 621, and 637). 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 Physical Science Including Chemistry seeking Wisconsin certification will be required to pass PRAXIS Exam 10435 to be eligible for certification. This major aligns with "WDPI Content Guidelines for Physical Science Including Chemistry."

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

Required courses:

- |                          |                |     |  |
|--------------------------|----------------|-----|--|
| <input type="checkbox"/> | CHEM 120       | S   | General Chemistry I                          |
| <input type="checkbox"/> | CHEM 121       | S   | General Chemistry II                         |
| <input type="checkbox"/> | CHEM 321       |     | Organic Chemistry I                          |
| <input type="checkbox"/> | CHEM 323       |     | Organic Chemistry II                         |
| <input type="checkbox"/> | CHEM 351       | U   | Analytical Chemistry                         |
| <input type="checkbox"/> | CHEM 371       |     | Inorganic Chemistry I                        |
| <input type="checkbox"/> | CHEM 489       |     | Undergraduate Research (1 credit)            |
| <input type="checkbox"/> | PHYS 130 & 131 | S   | General Physics I & General Physics II<br>OR |
| <input type="checkbox"/> | PHYS 201 & 202 | S   | College Physics I & College Physics II       |
| <input type="checkbox"/> | GEOS 102       | S   | Introduction to Earth Science I              |
| <input type="checkbox"/> | GEOS 103       | S   | Oceans and Atmosphere                        |
| <input type="checkbox"/> | BIO 151        | ESU | General Biology I                            |
| <input type="checkbox"/> | BIO 152        | S   | General Biology II                           |
| <input type="checkbox"/> | GEOS 206       | EV  | Environmental Geology                        |
| <input type="checkbox"/> | 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:

- |                          |          |   |            |
|--------------------------|----------|---|------------|
| <input type="checkbox"/> | MATH 121 | M | Statistics |
|--------------------------|----------|---|------------|

And one of the following:

- |                          |           |   |                        |
|--------------------------|-----------|---|------------------------|
| <input type="checkbox"/> | MATH 114A | M | Precalculus A: Algebra |
| <input type="checkbox"/> | MATH 231  | M | Calculus I             |
| <input type="checkbox"/> | MATH 232  | M | Calculus II            |
| <input type="checkbox"/> | MATH 233  | M | Calculus III           |

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One semester of the 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 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.