

CHEMISTRY TEACHING MAJOR (BA 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 who wish to be certified to teach chemistry at the secondary level (WDPI category Early Adolescence through Adolescence, Ages 10- 21; WDPI licenses 610 and 637). The major requires completion of the requirements listed below, the education professional requirements and the licensing requirements for teacher education (see EDUCATION). Chemistry Teaching majors seeking Wisconsin certification will be required to pass PRAXIS Exam 10435 to be eligible for certification. It is recommended that Chemistry majors complete the Natural Science Teaching minor to build their understanding of biology and geoscience as defined in the "WDPI Content Guidelines for Physical Science Including Chemistry" and prepare for the content exam.

Thirty-four chemistry credits, to include:

26 required chemistry credits:

<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 370		Integrated Chemistry Lab
<input type="checkbox"/>	CHEM 371		Inorganic Chemistry I
<input type="checkbox"/>	CHEM 480	K	Chemistry Seminar
<input type="checkbox"/>	CHEM 489		Undergraduate Research (1 credit)

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

Course/Institution:

An additional 8 credits from:

<input type="checkbox"/>	CHEM 340		Biochemistry
<input type="checkbox"/>	CHEM 360		Quantum Mechanics
<input type="checkbox"/>	CHEM 361		Physical Chemistry
<input type="checkbox"/>	CHEM 420		Advanced Biochemistry
<input type="checkbox"/>	CHEM 431	X	Advanced Organic Chemistry
<input type="checkbox"/>	CHEM 471		Inorganic Chemistry II

One of the following two-semester sequences in physics:

<input type="checkbox"/>	PHYS 130 & 131	S	General Physics I & General Physics II OR
<input type="checkbox"/>	PHYS 201 & 202	S	College Physics I & College Physics II

Additional Courses in Biology:

- | | | | |
|--------------------------|---------|-----|--------------------|
| <input type="checkbox"/> | BIO 151 | ESU | General Biology I |
| <input type="checkbox"/> | BIO 152 | S | General Biology II |

A one-year sequence in Earth Science:

- | | | | |
|--------------------------|----------|---|---------------------------------|
| <input type="checkbox"/> | GEOS 102 | S | Introduction to Earth Science I |
| <input type="checkbox"/> | GEOS 103 | S | Oceans and Atmospheres |

One additional course in environmental science:

- | | | | |
|--------------------------|----------|----|-----------------------------|
| <input type="checkbox"/> | BIO 250 | EV | Environmental Biology
OR |
| <input type="checkbox"/> | GEOS 206 | EV | Environmental Geology |

The following mathematics courses:

- | | | | |
|--------------------------|-----------|---|------------------------|
| <input type="checkbox"/> | MATH 114A | M | Precalculus A: Algebra |
|--------------------------|-----------|---|------------------------|

If taking College Physics:

- | | | | |
|--------------------------|----------|---|-------------|
| <input type="checkbox"/> | MATH 231 | M | Calculus I |
| <input type="checkbox"/> | MATH 232 | M | Calculus II |

One additional course in natural science:

- | | | | |
|--------------------------|----------|----|-----------------------------------|
| <input type="checkbox"/> | NATS 250 | PV | History and Philosophy of Science |
|--------------------------|----------|----|-----------------------------------|

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

- | | | | |
|--------------------------|-----------|--|--|
| <input type="checkbox"/> | NATS 459S | Teaching Science in Middle/Secondary Schools | |
|--------------------------|-----------|--|--|

Students must be accepted into the Emergent Professional Transition and have completed their science coursework before being admitted to NATS 459S.

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

Policies

In order to fulfill the Chemistry Teaching Major, a student must attain a cumulative grade point average of 2.5 in science and mathematics courses taken at Edgewood College. If a course is retaken only the most recent grade is taken into consideration in calculating the cumulative grade point average. Any course in which a student receives a grade below "CD" will not be accepted toward the major or minor. Transfer students must take a minimum of 12 chemistry credits at Edgewood College. Please consult with your academic advisor to learn the details about how you can satisfy your COR 3 requirement.