

CHEMISTRY MAJOR: PROFESSIONAL CONCENTRATION (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.

Major requirements:

Required core courses (23 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 371		Inorganic Chemistry I
<input type="checkbox"/>	CHEM 480	K	Chemistry Seminar

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

Course/Institution:

This concentration is designed to prepare students for graduate school or work in an industrial or government laboratory. Careful consultation with an advisor is recommended. A minimum of 40 credits in chemistry, including the core courses listed above, plus:

Additional required courses:

<input type="checkbox"/>	CHEM 361		Physical Chemistry
<input type="checkbox"/>	CHEM 370		Integrated Laboratory
<input type="checkbox"/>	CHEM 471		Inorganic Chemistry II
<input type="checkbox"/>	CHEM 489		Undergraduate Research (4 credits)
	OR		
<input type="checkbox"/>	CHEM 400	3	Ethics and Responsibility in Scientific Research (1 credit)
	AND		
	CHEM 489		Undergraduate Research (3 credits)

Six credits from the following:

<input type="checkbox"/>	CHEM 200	2E	Green and Sustainable Chemistry
<input type="checkbox"/>	CHEM 340		Biochemistry
<input type="checkbox"/>	CHEM 360		Quantum Mechanics
<input type="checkbox"/>	CHEM 420		Advanced Biochemistry
<input type="checkbox"/>	CHEM 431	X	Advanced Organic Chemistry

The following mathematics courses:

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

One year of physics to include:

- | | | | |
|--------------------------|----------|---|--------------------|
| <input type="checkbox"/> | PHYS 201 | S | College Physics I |
| <input type="checkbox"/> | PHYS 202 | S | College Physics II |

In order to fulfill the Chemistry Major, a student must attain a cumulative grade point average of 2.0 in chemistry 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. All transfer courses must be approved by the department. Please consult with your academic advisor to learn the details about how you can satisfy your COR 3 requirement.