

# CHEMISTRY MAJOR: PROFESSIONAL CONCENTRATION

(BS PROGRAM)



EDGEWOOD COLLEGE

2016-2017 Catalog

Declaration of Major

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:

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

Core courses for the major:

Course / Institution

CHEM 120	S	General Chemistry I*	
CHEM 121	S	General Chemistry II*	
CHEM 321		Organic Chemistry I*	
CHEM 323		Organic Chemistry II*	
CHEM 351	U	Analytical Chemistry*	
CHEM 371		Inorganic Chemistry I*	

## Professional Concentration

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

Courses required for the Concentration

CHEM 361		Thermodynamics & Kinetics*	
CHEM 471		Inorganic Chemistry II*	
CHEM 480	K	Chemistry Seminar*	
CHEM 489		Chemistry Research*	

Nine credits from the following:

CHEM 340		Biochemistry*	
CHEM 360	X	Relativity & Quantum Mechanics*	
CHEM 370		Integrated Laboratory	
CHEM 400	3	Ethics and Responsibility in Scientific Research	
CHEM 420		Advanced Biochemistry*	

CHEM 431	X	Advanced Organic Chemistry*	
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The following Mathematics courses:

MATH 231	M	Calculus I*	
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MATH 232	M	Calculus II*	
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The following Physics courses:

PHYS 201	SU	College Physics I*	
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PHYS 202	S	College Physics II*	
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Recommended course:

PHYS 350	I	Scientific Computing*	
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*\*course has prerequisites*

**Policies:**

A student must maintain a cumulative grade point average of at least 2.0 in all courses taken to fulfill the major and concentration requirements.

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.

Transfer students must take a minimum of 12 chemistry credits at Edgewood College.

All transfer courses must be approved by the department.