CHEMISTRY TEACHING MAJOR (BA PROGRAM)

Declaration of Major | 2014-2015 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-two chemistry credits to include 24 required chemistry credits:			**Transfer credit applied (including AP/CLEP/etc):** 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	
☐ CHEM 480	K	Chemistry Seminar	
☐ CHEM 489		Undergraduate Research (1 credit)	

An additional 8 credits from:			
☐ CHEM 340		Biochemistry	
☐ CHEM 360		Quantum Mechanics	
☐ CHEM 361		Physical Chemistry	
☐ CHEM 370		Integrated Laboratory	
☐ CHEM 420		Advanced Biochemistry	
☐ CHEM 431	X	Advanced Organic Chemistry	
☐ CHEM 471		Inorganic Chemistry II	

One of the following:			
☐ PHYS 130	S	General Physics I	
		AND	
☐ PHYS 131	S	General Physics II	
		OR	
☐ PHYS 201	SU	College Physics I	
		AND	
☐ PHYS 202	S	College Physics II	

PLEASE NOTE THAT THIS CHECKLIST CONTAINS MAJOR REQUIREMENTS ONLY. ALL GENERAL EDUCATION REQUIREMENTS (TAGS) MUST ALSO BE COMPLETE TO EARN A B.S OR B.A DEGREE. PLEASE SEE P. 25 IN THE 2014-2015 UNDERGRADUATE CATALOG FOR THESE REQUIREMENTS. STUDENTS ARE FULLY RESPONSIBLE FOR KNOWING THEIR REQUIREMENTS FOR GRADUATION.

Additional Courses in Biology:

☐	BIO 152	S	General Biology: Genetics and Evolution	
			OR	
☐	BIO 182	S	Honors General Biology: Information Flow in Living Systems	

A one-year sequence in Earth Science:

☐	GEOS 102	S	Introduction to Earth Science I	
☐	GEOS 103	S	Oceans and Atmospheres	

One additional course in Environmental Science:

☐	BIO 250	EV	Introduction to Environmental Science	
			OR	
☐	ENVS 216/ GEOS 206	EV	Environmental Geology	

The following Mathematics courses:

☐	MATH 114B	M	Precalculus B: Trigonometry	

If taking College Physics:

☐	MATH 231	M	Calculus I	
☐	MATH 232	M	Calculus II	

One additional course in natural science:

☐	NATS 250	PV	History and Philosophy of Science	

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

☐	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.