

# CHEMISTRY/BIOCHEMISTRY SECONDARY MINOR

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This minor satisfies the endorsement for grades 5–12.

Note: some graduate courses may be substituted for electives, in consultation with advisor.

## Required Courses

CHEM 171 & 171L	GENERAL CHEMISTRY I and GENERAL CHEMISTRY LABORATORY I	15
& CHEM 172 & CHEM 172L	and GENERAL CHEMISTRY II and GENERAL CHEMISTRY LABORATORY II	
& CHEM 173 & CHEM 173L	and GENERAL CHEMISTRY III and GENERAL CHEMISTRY LABORATORY III	
SCED 390	SCIENCE TEACHING METHODS	5

## Choose from the following 9

CHEM 304 & 304L	QUANTITATIVE ANALYSIS and QUANTITATIVE ANALYSIS LAB
CHEM 316	ENVIRONMENTAL CHEMISTRY
CHEM 319	MODERN INORGANIC CHEMISTRY
CHEM 351	ORGANIC CHEMISTRY
CHEM 352	ORGANIC CHEMISTRY
CHEM 372	ORGANIC CHEMISTRY LABORATORY I
CHEM 421	PHYSICAL CHEMISTRY
CHEM 480	BIOCHEMISTRY

**Total Credits 29**

## Students who earn a Chemistry/Biochemistry Secondary minor from EWU should be able to:

- demonstrate understanding of core concepts in Chemistry;
- demonstrate effective strategies for teaching Chemistry to a community of diverse students;
- describe the procedures for responding to potential safety hazards in the laboratory, classroom, and field.