

# Chemistry, Minor

The minor in chemistry is designed for the student who would like a sound foundation in the theory and laboratory practice of chemistry. It requires six courses in chemistry with their prerequisites and corequisites.

## Minor Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified.

Due to curricular overlap, the chemistry minor is not available to biochemistry majors.

## Required Courses

Students must take either General Chemistry 1 (CHEM 1211) and General Chemistry 2 (CHEM 1214) or General Chemistry for Science Majors (CHEM 1161).

*Note:* Engineering students may take General Chemistry for Engineers (CHEM 1151) in place of General Chemistry 1 (CHEM 1211) and General Chemistry 2 (CHEM 1214) or General Chemistry for Science Majors (CHEM 1161).

Excluded: Undergraduate Research (CHEM 4901) Junior/Senior Honors Project 1 (CHEM 4970), Junior/Senior Honors Project 2 (CHEM 4971) or other research courses from approved electives.

Code	Title	Hours
<b>General Chemistry</b>		
Choose one option.		4-10
<i>General Chemistry</i>		
CHEM 1211 and CHEM 1212	General Chemistry 1 and Lab for CHEM 1211	
CHEM 1214 and CHEM 1215	General Chemistry 2 and Lab for CHEM 1214	
<i>Chemistry for Science Majors</i>		
CHEM 1161 and CHEM 1162	General Chemistry for Science Majors and Lab for CHEM 1161	
<i>Chemistry for Engineers</i>		
CHEM 1151	General Chemistry for Engineers	
or other Chemistry and Chemical Biology approved course		
<b>Organic Chemistry</b>		
CHEM 2311 and CHEM 2312	Organic Chemistry 1 and Lab for CHEM 2311	5
CHEM 2313 and CHEM 2314	Organic Chemistry 2 and Lab for CHEM 2313	5
<b>Analytical Chemistry</b>		
CHEM 2321 and CHEM 2322	Analytical Chemistry and Lab for CHEM 2321 (Analytical Chemistry)	5
<b>Physical Chemistry</b>		
CHEM 3431 and CHEM 3432	Physical Chemistry and Lab for CHEM 3431	5
<i>Engineering students may substitute the following course:</i>		
CHME 2320	Chemical Engineering Thermodynamics	
<b>Advanced Lab</b>		
Complete one of the following:		5
CHEM 3403 and CHEM 3404	Quantum Chemistry and Spectroscopy and Lab for CHEM 3403	
CHEM 4456 and CHEM 4457	Organic Chemistry 3: Organic Chemistry of Drug Design and Development and Lab for CHEM 4456	

## GPA Requirement

2.000 GPA required in the minor