

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 |
|--|--|-------|
| General Chemistry | | |
| 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 | | |
| Organic Chemistry | | |
| 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 |
| Analytical Chemistry | | |
| CHEM 2321 and CHEM 2322 | Analytical Chemistry and Lab for CHEM 2321 (Analytical Chemistry) | 5 |
| Physical Chemistry | | |
| 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 1 | |
| Advanced Lab | | |
| 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