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.

**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
  - General Chemistry
    - 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
  - Chemistry for Science Majors
    - CHEM 1161 and CHEM 1162
    - General Chemistry for Science Majors and Lab for CHEM 1161
  - Chemistry for Engineers
    - 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
    - CHEM 2313 and CHEM 2314
    - Organic Chemistry 2 and Lab for CHEM 2313
  - Analytical Chemistry
    - CHEM 2321 and CHEM 2322
    - Analytical Chemistry and Lab for CHEM 2321 (Analytical Chemistry)
  - Physical Chemistry
    - CHEM 3431 and CHEM 3432
    - Physical Chemistry and Lab for CHEM 3431
    - Engineering students may substitute the following course:
      - CHME 2320
      - Chemical Engineering Thermodynamics
      - 1
  - Advanced Lab
    Complete one of the following: 5

**and CHEM 3404**
Quantum Chemistry and Spectroscopy and Lab for CHEM 3403

**CHEM 4456**

**GPA Requirement**
2.000 GPA required in the minor