# CHEMISTRY MINOR

## Requirements

A minor in chemistry requires 18 credit hours of approved chemistry courses.

All chemistry courses counted toward a minor must be taken from classes approved for chemistry majors. In addition to General Chemistry I and II, students must take 10 additional hours of chemistry courses from the list below, with at least 7 hours at the 2000 level or higher taken in residence at UNO.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1180</td>
<td>GENERAL CHEMISTRY I (*)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1184</td>
<td>GENERAL CHEMISTRY I LABORATORY (*)</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1190</td>
<td>GENERAL CHEMISTRY II (*)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1194</td>
<td>GENERAL CHEMISTRY II LABORATORY (*)</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 10 additional hours of chemistry courses from the below options, with at least 7 hours taken in residence at UNO:

### ANALYTICAL

- CHEM 2400 QUANTITATIVE ANALYSIS (3 hrs)
- CHEM 2404 QUANTITATIVE ANALYSIS LAB (1 hr)
- CHEM 3030 ENVIRONMENTAL CHEMISTRY (3 hrs)
- CHEM 3424 SPECTROMETRIC CHARACTERIZATIONS (1 hr)
- CHEM 4400 & CHEM 4404 INSTRUMENTAL ANALYSIS and INSTRUMENTAL ANALYSIS LABORATORY (4 hrs including lab)

### BIOCHEMISTRY

- CHEM 4610 BIOCHEMISTRY OF METABOLISM (4 hrs)
- CHEM/BIOL 4650 BIOCHEMISTRY I (3 hrs)
- CHEM/BIOL 4654 BIOCHEMISTRY I LABORATORY (1 hr)
- CHEM/BIOL 4660 BIOCHEMISTRY II (3 hrs)
- CHEM/BIOL 4664 BIOCHEMISTRY II LABORATORY (1 hr)
- CHEM 4670 PROTEIN PURIFICATION AND CHARACTERIZATION (2 hrs)

### INORGANIC

- CHEM 2500 INTRODUCTION TO INORGANIC CHEMISTRY (3 hrs)
- CHEM 3514 INORGANIC PREPARATIONS (1 hr)
- CHEM 4500 ADVANCED INORGANIC CHEMISTRY (3 hrs)
- CHEM 4510 SOLID STATE INORGANIC CHEMISTRY (3 hrs)
- CHEM 4540 GEOCHEMISTRY (3 hrs)

### MEDICINAL

- CHEM 3710 ESSENTIALS OF MEDICINAL CHEMISTRY (3 hrs)

### NUCLEAR

- CHEM 4320 NUCLEAR CHEMISTRY

### ORGANIC

- CHEM 2250 ORGANIC CHEMISTRY I (3 hrs)
- CHEM 2260 ORGANIC CHEMISTRY II (3 hrs)
- CHEM 2274 ORGANIC CHEMISTRY LABORATORY (2 hrs)
- CHEM 3210 INTRODUCTION TO MOLECULAR MODELING (3 hrs)

### PHYSICAL CHEMISTRY

- CHEM 3350 PHYSICAL CHEMISTRY I (3 hrs)
- CHEM 3354 PHYSICAL CHEMISTRY I LABORATORY (1 hr)
- CHEM 3360 PHYSICAL CHEMISTRY II (3 hrs)
- CHEM 3364 PHYSICAL CHEMISTRY II LABORATORY (1 hr)

### POLYMER

- CHEM 4310 POLYMER CHEMISTRY (3 hrs)

### RESEARCH

- CHEM 4950 CHEMISTRY PROJECTS (1 hr)
- CHEM 4960 CHEMISTRY PROBLEMS (1-3 hrs)

### INTERNSHIP

- CHEM 4810 CHEMISTRY INTERNSHIP (1-6 hrs)

### SPECIAL TOPICS

- CHEM 4930 SPECIAL TOPICS IN CHEMISTRY (1-3 hrs)

**Total Credits:** 18