CHEMISTRY MINOR

The minor in chemistry allows majors in other fields to complete a significant portion of the coursework required for the chemistry major. It allows the flexible selection of coursework from the traditional subdisciplines of organic, inorganic, physical, and analytical chemistry.

### Course Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CHEM 132-0 &amp; CHEM 142-0</td>
<td>Fundamentals of Chemistry II and Fundamentals of Chemistry Laboratory II</td>
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<tr>
<td>or CHEM 152-0 &amp; CHEM 162-0</td>
<td>General Chemistry II and General Chemistry Laboratory II</td>
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<tr>
<td>or CHEM 172-0 &amp; CHEM 182-0</td>
<td>Advanced General Physical Chemistry and Advanced General Physical Chemistry Laboratory</td>
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or equivalent

Chemistry courses at the 300 level may have additional chemistry, physics, and/or mathematics prerequisites.

### Minor Requirements (6 units plus additional units for required labs)

Six 200- or 300-level full-credit courses

1 Exclusive of CHEM 201-0 Chemistry of Nature and Culture, CHEM 398-0 Undergraduate Seminar, CHEM 399-0 Independent Study, or all 0.34-credit lab courses.

- **Life science majors and premedical students are advised to take:**
  - **Course**  
    - CHEM 215-1  
      - Organic Chemistry I
  - **Course**  
    - CHEM 235-1  
      - and Organic Chemistry Lab I
  - **Course**  
    - & CHEM 215-2  
      - and Organic Chemistry II
  - **Course**  
    - & CHEM 235-2  
      - and Organic Chemistry Lab II
  - **Course**  
    - & CHEM 215-3  
      - and Organic Chemistry III
  - **Course**  
    - & CHEM 235-3  
      - and Organic Chemistry Lab III
  - 3 additional Chemistry courses

- **Physical science majors are advised to take:**
  - **Course**  
    - CHEM 342-1  
      - Thermodynamics
  - **Course**  
    - & CHEM 342-2  
      - and Quantum Mechanics and Spectroscopy
  - **Course**  
    - & CHEM 342-3  
      - and Kinetics and Statistical Thermodynamics
  - 3 additional Chemistry courses

- **Students with interests in materials science, earth and planetary science, or environmental science should take:**
  - **Course**  
    - CHEM 215-1  
      - Organic Chemistry I
  - **Course**  
    - & CHEM 235-1  
      - and Organic Chemistry Lab I
  - **Course**  
    - CHEM 215-2  
      - Organic Chemistry II
  - **Course**  
    - & CHEM 235-2  
      - and Organic Chemistry Lab II
  - **Course**  
    - CHEM 333-0  
      - Inorganic Chemistry
  - 3 additional Chemistry courses

- **Other programs for the minor may be designed with departmental approval to suit individual needs; interested students should contact the Director of Undergraduate Studies in Chemistry.** ([https://www.chemistry.northwestern.edu/undergraduate/programs/advising-research.html](https://www.chemistry.northwestern.edu/undergraduate/programs/advising-research.html))