

# CHEMISTRY MINOR

for the undergraduate minor in Chemistry

The Chemistry minor offers foundational knowledge in chemical principles and laboratory skills to complement a student's primary field of study and to prepare students for careers in medicine, healthcare, biology, chemical engineering, and environmental science where chemistry is central.

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Code	Title	Hours
Choose one group of Chemistry courses below		8-10
CHEM 102	General Chemistry I	
CHEM 103	General Chemistry Lab I	
CHEM 104	General Chemistry II	
CHEM 105	General Chemistry Lab II	
or		
CHEM 202	Accelerated Chemistry I	
CHEM 203	Accelerated Chemistry Lab I	
CHEM 204	Accelerated Chemistry II	
CHEM 205	Accelerated Chemistry Lab II	
CHEM 232	Elementary Organic Chemistry I	3-4
or CHEM 236	Fundamental Organic Chem I	
CHEM 233	Elementary Organic Chem Lab I	2
or CHEM 237	Structure and Synthesis	
Choose two 3-4 credit hour courses from the List of Advanced Courses Approved for Chemistry Minor Credit (300- and 400-level Chemistry courses, not research or independent study, 3 hours credit or more). The two courses to be taken should be from different subdisciplines of Chemistry. <sup>1</sup>		6-8
<b>Total Hours</b>		<b>19-24</b>

<sup>1</sup> The following courses may not be used to complete the minor: CHEM 492, CHEM 495.

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Students pursuing an undergraduate minor in Chemistry will

1. Attain chemical knowledge and critical thinking and analytical skills that complement the student's primary major and are applicable in related professional or academic fields.
2. Obtain a working knowledge of the basic principles of chemistry, including topics like atomic and molecular structure, chemical dynamics, and the chemical and physical properties of substances.
3. Acquire basic laboratory skills, including the ability to carry out experiments, use appropriate apparatus effectively, acquire and record data, and practice proper laboratory safety procedures.
4. Gain exposure to subfields of chemistry (analytical, organic, inorganic, physical, chemical biology, and environmental) that best

align with their interests by taking advanced courses in at least two different areas.

5. Develop the ability to read, evaluate, interpret, and present numerical and scientific information and data in both oral and written forms.

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## Department of Chemistry (<https://chemistry.illinois.edu>)

Chemistry faculty (<https://chemistry.illinois.edu/directory/faculty-by-type/>)

SCS Academic Advising (<http://advising.scs.illinois.edu/>)

## College Of Liberal Arts Sciences (<https://las.illinois.edu/>)

**overview of college admissions & requirements:** Liberal Arts & Sciences (<http://catalog.illinois.edu/schools/las/academic-units/>)