

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	Title
Prerequisites	
CHEM 132-0 & CHEM 142-0	Fundamentals of Chemistry II and Fundamentals of Chemistry Laboratory II
or CHEM 152-0 & CHEM 162-0	General Chemistry II and General Chemistry Laboratory II
or CHEM 172-0 & CHEM 182-0	Advanced General Physical Chemistry and Advanced General Physical Chemistry Laboratory

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

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	Title
CHEM 215-1 & CHEM 235-1	Organic Chemistry I and Organic Chemistry Lab I
& CHEM 215-2 & CHEM 235-2	and Organic Chemistry II and Organic Chemistry Lab II
& CHEM 215-3 & CHEM 235-3	and Organic Chemistry III and Organic Chemistry Lab III
or CHEM 217-1 & CHEM 237-1	Accelerated Organic Chemistry I and Accelerated Organic Chemistry Laboratory I
& CHEM 217-2 & CHEM 237-2	and Accelerated Organic Chemistry II and Accelerated Organic Chemistry Laboratory II
& CHEM 217-3 & CHEM 235-3	and Accelerated Organic Chemistry III and Organic Chemistry Lab III

3 additional Chemistry courses

- Physical science majors are advised to take:

Course	Title
CHEM 342-1 & CHEM 342-2	Thermodynamics and Quantum Mechanics and Spectroscopy
& 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	Title
CHEM 215-1 & CHEM 235-1	Organic Chemistry I and Organic Chemistry Lab I
CHEM 215-2 & CHEM 235-2	Organic Chemistry II and Organic Chemistry Lab II
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>)