

CHEMISTRY MINOR

Students majoring in areas other than chemistry and biochemistry may satisfy requirements for a minor concentration in chemistry by completing a minimum of 24 credit hours of chemistry with grades of "C-" or better with an overall minor GPA of 2.0 or higher.

Related Programs

Major

- Secondary Education (BSEd) (<https://catalog.luc.edu/undergraduate/education/secondary-education-bsed/>)

Curriculum

Code	Title	Hours
Required Courses		
CHEM 160	Chemical Structure and Properties	3
CHEM 161	Chemical Structure and Properties Laboratory	1
CHEM 180	Chemical Reactivity I	3
CHEM 181	Chemical Reactivity I Lab	1
CHEM 240	Chemical Reactivity II	3
CHEM 241	Chemical Reactivity II Laboratory	1
CHEM 260	Quantitative Methods in Chemistry	3
CHEM 272	Analytical Chemistry Laboratory	2
CHEM 280	Environmental & Chemical Analysis	3
Select four additional credit hours at the 300 level		4
Total Hours		24

Suggested Sequence of Courses

Course	Title	Hours
Year 1		
Fall		
CHEM 160	Chemical Structure and Properties	3
CHEM 161	Chemical Structure and Properties Laboratory	1
Hours		4
Spring		
CHEM 180	Chemical Reactivity I	3
CHEM 181	Chemical Reactivity I Lab	1
Hours		4
Year 2		
Fall		
CHEM 240	Chemical Reactivity II	3
CHEM 241	Chemical Reactivity II Laboratory	1
Hours		4
Spring		
CHEM 260	Quantitative Methods in Chemistry	3
CHEM 272	Analytical Chemistry Laboratory	2
Hours		5
Year 3		
Fall		
CHEM 280	Environmental & Chemical Analysis	3

CHEM 300-Level Elective	1
Hours	4
Spring	
CHEM 300-Level Elective	3
Hours	3
Total Hours	24

Academic Policies

In conjunction with updated policies for majors and minors in the College of Arts and Sciences, not less than 8 credit hours must be unique to obtain a chemistry minor; that is, the courses in question are considered as actually fulfilling requirements of one minor, not of more than one minor and/or major. For Example: If your major CHEM 272 Analytical Chemistry Laboratory, CHEM 280 Environmental & Chemical Analysis, and CHEM 361 Principles of Biochemistry, then to obtain a chemistry minor, one must still take an additional 8 credits of CHEM classes that are not required for your major (or other minors). This is effective with the graduating class of May 2018 and following.

Note: Only 1 credit hour of CHEM 300 Undergraduate Research and only 1 credit hour of CHEM 380 Chemistry Seminar will be accepted toward the minor.

No more than 12 hours total can be transferred in for the minor from other institutions.

Because of nearly complete overlap, the following degree combinations are not allowed from the department of chemistry and biochemistry: BS Chemistry Major with BS Biochemistry Major, BS Biochemistry Major with BA Chemistry Major, BS Chemistry Major with BA Chemistry Major, and no Chemistry Major may be paired with a Chemistry Minor. Other majors, e.g. Forensic Science Majors or Biology Majors, that require substantial chemistry coursework, may still earn a minor as long as 8 additional, unique credits are completed that are not also counted toward any other major or minor requirements.

Please e-mail Dr. Sandra Helquist (shelquist@luc.edu) with any questions.

Learning Outcomes

At the completion of the Undergraduate Minor in Chemistry, students will be able to:

- answer knowledge and comprehension type questions related to fundamental chemical concepts and demonstrate fluency with basic facts, terminology, and principles in the various subfields of chemistry.
- understand and describe the chemical basis of life, our natural resources and environments, and the universe.
- retrieve, research, synthesize, and critically evaluate scientific literature.