

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.

Code	Title	Credits
REQUIRED COURSES:		
CHEM 1180	GENERAL CHEMISTRY I (*)	3
CHEM 1184	GENERAL CHEMISTRY I LABORATORY (*)	1
CHEM 1190	GENERAL CHEMISTRY II (*)	3
CHEM 1194	GENERAL CHEMISTRY II LABORATORY (*)	1
Select 10 additional hours of chemistry courses from the below options, with at least 7 hours taken in residence at UNO:		10
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/BIOLOG 4650	BIOCHEMISTRY I (3 hrs)	
CHEM/BIOLOG 4654	BIOCHEMISTRY I LABORATORY (1 hr)	
CHEM/BIOLOG 4660	BIOCHEMISTRY II (3 hrs)	
CHEM/BIOLOG 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)	

CHEM 4230	ADVANCED ORGANIC CHEMISTRY - SYNTHESIS (3 hrs)
CHEM 4240	ADVANCED ORGANIC CHEMISTRY - MECHANISM (3 hrs)
CHEM 4250	ADVANCED ORGANIC CHEMISTRY: MECHANISMS AND MODELING (4 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