

CHEMISTRY MAJOR

The Chemistry Department offers two degree options. The B.A. is primarily designed for students intending to work in chemical laboratories following graduation, students planning to teach who need an endorsement in chemistry, and pre-professional (pre-medical, pre-dental, pre-veterinary, pre-pharmacy) students. The B.S. is a more rigorous course of study designed for students wishing to continue their study of chemistry at the graduate level.

Students who intend to major in chemistry and students who intend to prepare for medical, dental, veterinary, or pharmacy school are urged to select Fundamentals of Chemistry their first year.

CHEMISTRY MAJOR—BACHELOR OF SCIENCE

Course Number	Course Name	Hours
CHEM 111	Fundamentals of Chemistry I	4
CHEM 112	Fundamentals of Chemistry II	4
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4
CHEM 242W	Research Methodology in Chemistry	3
CHEM 359	Analytical Chemistry I	4
CHEM 360	Analytical Chemistry II	4
CHEM 421	Physical Chemistry I	4
CHEM 422	Physical Chemistry II	4
CHEM 441	Chemistry Seminar	1
CHEM 461	Senior Project I	2
CHEM 462	Senior Project II	1
MATH 103-104	Calculus I and II	6
MATH 211	Calculus III	3
One of the following:		8
PHYS 141-142	College Physics	
or		
PHYS 161-162	Physics I and II	
Electives:		3
BIOM 312	Forensic Science	
CHEM	Other CHEM courses 200 and above	
<i>Total Hours Required</i>		59

CHEMISTRY MAJOR–BACHELOR OF ARTS

Course Number	Course Name	Hours
CHEM 111	Fundamentals of Chemistry I	4
CHEM 112	Fundamentals of Chemistry II	4
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4
CHEM 242W	Research Methodology in Chemistry	3
CHEM 359	Analytical Chemistry I	4
CHEM 360	Analytical Chemistry II	4
CHEM 441	Chemistry Seminar	1
MATH 103	Calculus I	3
One of the following:		8
PHYS 141-142	College Physics	
or		
PHYS 161-162	Physics I and II	
Electives:		3
BIOM 312	Forensic Science	
CHEM	Other CHEM courses 200 and above	
<i>Total Hours Required</i>		42

CHEMISTRY MINOR

A minor in chemistry requires:

Course Number	Course Name	Hours
CHEM 111	Fundamentals of Chemistry I	4
CHEM 112	Fundamentals of Chemistry II	4
Electives:		10
BIOM 312	Forensic Science	
CHEM	Other CHEM courses excluding CHEM 127, 397, 399, 428, 441	
<i>Total Hours Required</i>		18

