

# CHEMISTRY MAJOR (BA TRADITIONAL)

Chemistry majors will gain an understanding of the structure of atoms and molecules, properties of materials, and the reactions that convert one molecule or material to another. The chemistry major prepares students to think critically and quantitatively, reason scientifically, and to understand the experimental methods, techniques, and instrumentation used in chemistry. Students have the opportunity to gain relevant research experience on campus.

## General Education Requirements

All degree seeking undergraduate students must complete the general education (<http://catalog.csp.edu/archive/2021-2022/undergraduate/academic-information/general-education-requirements/>) requirements.

## Degree Requirements

Bachelor of Arts (<http://catalog.csp.edu/archive/2021-2022/undergraduate/academic-information/graduation-requirements/#ba>) degree consists of a major of typically 32 to 44 credits or two minors, general education courses, and elective courses totaling a minimum of 120 credits.

Code	Title	Credits
<b>Prerequisites (not counted in major credit total)</b>		
PHS 221	General Physics I (Calc Based) (4)	
MAT 110	Introduction to Probability and Statistics (3)	
BIO 120	General Biology I (4)	
CHE 115	General Chemistry I (4)	
<b>Required</b>		
MAT 135	Calculus I	4
CHE 116	General Chemistry II	4
CHE 221	Organic Chemistry I	4
CHE 222	Organic Chemistry II	4
CHE 326	Analytical Chemistry I	4
CHE 328	Biochemistry I	4
CHE 341	Thermodynamics	4
PHS 222	General Physics II (Calc Based)	4
SCI 453	Science Senior Capstone	2
Select one of the following:		4
SCI 435	Research and Techniques (4)	
SCI 455	Research in Science (Instructor approval required) (4)	
CHE 498	Internship in Chemistry (4)	
<b>Electives</b>		
Select 3 credits of the following:		3
CHE 329	Biochemistry II (4)	
CHE 335	Medicinal Chemistry (3)	
CHE 497	Chemistry Teaching Assistant (1)	
<b>Total Credits</b>		<b>41</b>