

# BIOCHEMISTRY MAJOR (BS TRADITIONAL)

Biochemistry majors focus on the chemistry of living systems. The major includes coursework in key fundamental areas of biology and chemistry including molecular biology, cellular biology, genetics, analytical chemistry, organic chemistry, physical chemistry, and a full year sequence of biochemistry. The major pushes students to develop their critical thinking, scientific reasoning, and laboratory skills in a true interdisciplinary way. Students are required to participate in an on-campus research experience as a part of this program.

## General Education Requirements

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

## Degree Requirements

Bachelor of Science (<http://catalog.csp.edu/undergraduate/academic-information/graduation-requirements/#bs>) degree consists of a major of typically 30 to 60 credits, general education courses, upper-level requirements, and elective courses totaling a minimum of 120 credits.

Code	Title	Credits
<b>Prerequisites from General Education</b>		
BIO 120	General Biology I (4)	
MAT 110	Introduction to Probability and Statistics (3)	
<b>Required</b>		
BIO 130	General Biology II	4
CHE 115	General Chemistry I	4
CHE 116	General Chemistry II	4
CHE 221	Organic Chemistry I	4
CHE 222	Organic Chemistry II	4
CHE 328	Biochemistry I	4
CHE 329	Biochemistry II	4
MAT 135	Calculus I	4
MAT 146	Calculus II	4
PHS 221	General Physics I	4
PHS 222	General Physics II	4
CHE 326	Analytical Chemistry I	4
CHE 341	Thermodynamics	4
BIO 330	Cell Biology	4
BIO 210	Genetics	4
BIO 335	Molecular Biology	4
SCI 453	Science Senior Capstone	2
Please choose from one of these courses:		4
SCI 435	Research and Techniques (4)	
SCI 455	Research in Science (4)	
<b>Total Credits</b>		<b>70</b>