

Bachelor of Science

Biochemistry (BS)

Degree Program Guide

The Degree Program Guide is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

Course	Title	Credit Hours
Freshman		
Fall		
ENGL 110C	English Composition (Grade of C or better required)	3
MATH 163	Precalculus II	3
CHEM 121N and CHEM 122N		4
BIOL 121N and BIOL 122N		4
CHEM 160G	Introduction to Chemistry and Biochemistry Research and Careers	3
Credit Hours		17
Spring		
Select one of the following:		3
ENGL 211C	Writing, Rhetoric, and Research	
ENGL 231C	Writing, Rhetoric, and Research: Special Topics	
MATH 211	Calculus I	4
CHEM 123N and CHEM 124N or CHEM 125		4-5
BIOL 123N and BIOL 124N		4
Credit Hours		15-16
Sophomore		
Fall		
CHEM 211 and CHEM 212		5
MATH 212	Calculus II	4
COMM 101R	Public Speaking	3
Elective or Language and Culture I (May be waived; See requirement details)		3
Credit Hours		15
Spring		
CHEM 213 AND CHEM 214 or CHEM 216		5
Elective or Language and Culture II (May be waived; See requirement details)		3
Human Behavior		3
Elective		3
Credit Hours		14
Junior		
Fall		
CHEM 321 and CHEM 322		5
PHYS 231N	University Physics I	4
CHEM 441	Biochemistry Lecture	3
BIOL 293	Cell Biology	3
Credit Hours		15

Spring		
CHEM 443	Intermediate Biochemistry	3
PHYS 232N	University Physics II	4
CHEM 442W	Biochemistry Laboratory (C or better required)	4
Elective		2
Credit Hours		13
Senior		
Fall		
CHEM 331	Physical Chemistry Lecture I	3
BIOL 294	Genetics	3
Interpreting the Past		3
Philosophy and Ethics		3
Upper-Division General Education Course (Option D)		3
Credit Hours		15
Spring		
CHEM 485	Chemistry and Biochemistry Seminar	1
CHEM 333	Physical Chemistry Lecture II	3
Impact of Technology		3
Literature		3
Upper-Division General Education Course (Option D)		3
Human Creativity		3
Credit Hours		16
Total Credit Hours		120-121