

Bachelor of Science

Chemistry with a Major in Chemistry-Research (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		
CHEM 121N and CHEM 122N		4
MATH 163	Precalculus II	3
ENGL 110C	English Composition (Grade of C or better required)	3
CHEM 160G	Introduction to Chemistry and Biochemistry Research and Careers	3
Credit Hours		13
Spring		
CHEM 123N AND CHEM 124N or CHEM 125		4-5
MATH 211	Calculus I	4
ENGL 211C or ENGL 231C (Grade of C or better required)		3
Philosophy and Ethics		3
Credit Hours		14-15
Sophomore		
Fall		
CHEM 211 and CHEM 212		5
MATH 212	Calculus II	4
PHYS 231N	University Physics I	4
Human Creativity		3
Credit Hours		16
Spring		
CHEM 213 AND CHEM 214 or CHEM 216		5
CHEM 321 and CHEM 322		5
PHYS 232N	University Physics II	4
Elective		2
Credit Hours		16
Junior		
Fall		
CHEM 331	Physical Chemistry Lecture I	3
CHEM 332W	Experimental Physical Chemistry I (C or better required)	2
CHEM 351	Inorganic Chemistry	3
CHEM 441	Biochemistry Lecture	3
CHEM 352 or CHEM 442W		2-4

Impact of Technology		3
Credit Hours		16-18
Spring		
CHEM 333	Physical Chemistry Lecture II	3
CHEM 334W	Experimental Physical Chemistry II	2
CHEM 415 or CHEM 439 or CHEM 443 or CHEM 451		3
COMM 101R	Public Speaking	3
Literature		3
Credit Hours		14
Senior		
Fall		
CHEM 415 or CHEM 439 or CHEM 443 or CHEM 451		3
Interpreting the Past		3
Human Behavior		3
Elective or Language & Culture I (May be waived; See requirement details)		3
Upper-Division General Education Course (Option D)		3
Credit Hours		15
Spring		
CHEM 421 and CHEM 422		6
CHEM 485	Chemistry and Biochemistry Seminar	1
Upper-Division General Education Course (Option D)		3
Elective or Language and Culture II (May be waived; See requirement details)		3
Elective		3
Credit Hours		16
Total Credit Hours		120-123