

Bachelor of Science

Chemistry with a Major in Chemistry Pre-Med (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
BIOL 121N	General Biology I	3
BIOL 122N	General Biology I Lab	1
ENGL 110C	English Composition (Grade of C or better required)	3
MATH 205 or MATH 163	Calculus for Life Sciences (recommended) or Precalculus II	3
CHEM 160G	Introduction to Chemistry and Biochemistry Research and Careers	3
Credit Hours		17
Spring		
CHEM 123N and CHEM 124N or CHEM 125		4
BIOL 123N	General Biology II	3
BIOL 124N	General Biology II Lab	1
STAT 130M	Elementary Statistics	3
Select one of the following:		3
ENGL 211C	Writing, Rhetoric, and Research	
ENGL 231C	Writing, Rhetoric, and Research: Special Topics	
Credit Hours		14
Sophomore		
Fall		
CHEM 211 and CHEM 212		5
PHYS 111N	Introductory General Physics	4
BIOL 293	Cell Biology	3
PSYC 201S	Introduction to Psychology	3
Credit Hours		15
Spring		
CHEM 213 AND CHEM 214 or CHEM 216		5
PHYS 112N	Introductory General Physics	4
BIOL 294	Genetics	3
SOC 201S	Introduction to Sociology (meets Human Behavior)	3
Credit Hours		15

Junior

Fall

BIOL 250	Human Anatomy and Physiology I	4
CHEM 441	Biochemistry Lecture	3
CHEM 321	Analytical Chemistry Lecture	3
CHEM 322	Analytical Chemistry Laboratory	2
CHEM 351	Inorganic Chemistry	3
Language & Culture I (May be waived; See requirement details)		0-3

Credit Hours

15-18

Spring

BIOL 251	Human Anatomy and Physiology II	4
CHEM 443	Intermediate Biochemistry	3
CHEM 442W	Biochemistry Laboratory	4
COMM 101R	Public Speaking	3
Language & Culture I (May be waived; See requirement details)		0-3

Credit Hours

14-17

Senior

Fall

CHEM 421 and CHEM 422		6
PHIL 345E	Bioethics (meets Philosophy and Ethics)	3
Interpreting the Past		3
Human Creativity		3

Credit Hours

15

Spring

CHEM 485	Chemistry and Biochemistry Seminar	1
Impact of Technology		3
Literature		3
Upper-Division General Education Course (Option D)		3
Upper-Division General Education Course (Option D)		3
CHEM elective		2-3

Credit Hours

15-16

Total Credit Hours

120-127