

Bachelor of Science

Chemistry with a Major in Chemical Forensic Science (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
CHEM 121N	Foundations of Chemistry I Lecture	3
CHEM 122N	Foundations of Chemistry I Laboratory	1
Literature		3
CHEM 160G	Introduction to Chemistry and Biochemistry Research and Careers	3
CRJS 215S or CRJS 226S	Introduction to Criminology or Honors: Introduction to Criminology	3
Credit Hours		16
Spring		
CHEM 123N	Foundations of Chemistry II Lecture	3
CHEM 124N or CHEM 125	Foundations of Chemistry II Laboratory or Foundations of Chemistry II Lab with Introduction to Chemical Research	1-2
MATH 211	Calculus I	4
COMM 101R	Public Speaking	3
ENGL 211C or ENGL 231C	Writing, Rhetoric, and Research (Grade of C or better required) or Writing, Rhetoric, and Research: Special Topics	3
CRJS 222	The Criminal Justice System	3
Credit Hours		17-18
Sophomore		
Fall		
CHEM 211	Organic Chemistry I Lecture	3
CHEM 212	Organic Chemistry I Laboratory	2
MATH 212	Calculus II	4
BIOL 121N	General Biology I	3
BIOL 122N	General Biology I Lab	1
CHEM 320T	Survey of Forensic Science	3
Credit Hours		16

Spring		
CHEM 213	Organic Chemistry II Lecture	3
CHEM 214 or CHEM 216	Organic Chemistry II Laboratory or Advanced Organic Chemistry Laboratory	2
STAT 130M	Elementary Statistics	3
BIOL 123N	General Biology II	3
BIOL 124N	General Biology II Lab	1
Upper Division General Education Requirement		3
Credit Hours		15
Junior		
Fall		
CHEM 441	Biochemistry Lecture	3
CHEM 321	Analytical Chemistry Lecture	3
CHEM 322	Analytical Chemistry Laboratory	2
CHEM 325	Forensic Biochemistry and Microscopy with Laboratory	3
PHYS 231N	University Physics I	4
Credit Hours		15
Spring		
CHEM 359	Forensic Chemistry with Laboratory	3
CHEM 421	Instrumental Analysis Lecture	3
CHEM 422	Instrumental Analysis Laboratory	3
PHYS 232N	University Physics II	4
Philosophy and Ethics (PHIL 345E recommended)		3
Credit Hours		16
Senior		
Fall		
CHEM 331	Physical Chemistry Lecture I	3
CHEM 332W	Experimental Physical Chemistry I *	2
CHEM 334W or CHEM 442W	Experimental Physical Chemistry II * or Biochemistry Laboratory	2-4
CHEM 498 or CHEM 369	Independent Study or Chemistry Practicum	2-3
Upper Division General Education Requirement		3
Elective (only if needed)		1
Credit Hours		13-16
Spring		
CHEM 459	Advanced Forensic Chemistry and Crime Scene Investigation	3
Interpreting the Past		3
Human Creativity		3
CHEM 461	Forensic Professional Practice	3
Language and Culture (May be waived; See requirement details)		0-6
Credit Hours		12-18
Total Credit Hours		120-130

* Grade of C or better required in "W" courses if using to meet the University Writing Requirement (minimum of 3 credits total in "W" coursework required).