

FORENSIC CHEMISTRY, BS

Degree Requirements

In addition to the requirements stated below, students must complete 34-35 hours of General Education (<https://catalog.washburn.edu/undergraduate/programs-degrees-graduation-requirements/general-education-requirements/>), all requirements for a Bachelor of Science (<https://catalog.washburn.edu/undergraduate/college-arts-sciences/degrees/bachelor-science/>) degree, and any additional hours needed to reach the minimum 120 credit hours required for graduation. Some of the courses below may also fulfill general education or other degree requirements. Please see your advisor for more information.

Code	Title	Hours
Required Courses Inside Department ¹		
<i>Introductory</i>		
CH 151	Fundamentals of Chemistry I	5
CH 152	Fundamentals of Chemistry II	5
<i>Core</i>		
CH 320	Analytical Chemistry	3
CH 321	Analytical Chemistry Lab	1
CH 323	Advanced Forensic Chemistry	4
CH 326	Instrumental Methods In Forensic Analysis	3
CH 327	Instrumental Methods in Forensic Analysis Lab	1
CH 340	Organic Chemistry I	3
CH 341	Organic Chemistry II	3
CH 342	Organic Chemistry Lab I	2
CH 343	Organic Chemistry Lab II	2
CH 350	Biochemistry I	3
Select one of these pairs:		4-5
CH 331 & CH 332	Inorganic Chemistry and Inorganic Chemistry Lab	
CH 381 & CH 385	Physical Chemistry I and Physical Chemistry Lab	
CH 351 & CH 352	Biochemistry Lab I and Biochemistry II	
<i>Seminar/Capstone</i>		
CH 291	Professionalism in Science	1
CH 293	Professional Forensic Science Seminar	1
Select three credit hours:		3
CH 390	Chemistry Research	
CH 393	Chemistry Internship	
CH 491	Chemistry Seminar	1
Subtotal		45-46
Required Courses Outside Department		
BI 192	General Cellular Biology	5
BI 301	General Microbiology	4
BI 333	General Genetics	4
BI 420	Forensic Molecular Biology	4
CJ 115	Introduction to Forensic Investigations	3
CJ 415 & CJ 416	Advanced Forensic Investigations and Forensic Applied Science Laboratory	6
CN 150	Public Speaking	3

MA 140	Statistics	3
MA 151	Calculus & Analytic Geometry I	5
PH 102 or PH 214	Ethics: Introduction to Moral Problems Medical Ethics	3
Select one of the following physics sequences:		10
PS 261 & PS 262	College Physics I and College Physics II	
PS 281 & PS 282	General Physics I and General Physics II	
Subtotal		50
Total Hours		95-96