

# 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
<b>Required Courses Inside Department <sup>1</sup></b>		
CH 151	Fundamentals of Chemistry I	5
CH 152	Fundamentals of Chemistry II	5
CH 202	Professional Forensic Science Seminar	2
CH 320	Analytical Chemistry	3
CH 321	Analytical Chemistry Lab	1
CH 323	Advanced Forensic Chemistry	4
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 346	Instrumental Analysis	2
CH 350	Biochemistry I	3
CH 351	Biochemistry Lab	2
CH 355	Medicinal Chemistry	2
CH 391	Chemistry Seminar	1
CH 390	Undergraduate Chemical Research	3
or CH 393	Internship	
Select one of the following:		4-5
CH 352 & CH 353	Biochemistry II and Biochemistry Laboratory II	
CH 381 & CH 385	Physical Chemistry I and Physical Chemistry Lab	
CH 386 & CH 345	Inorganic Chemistry and Inorganic Chemistry Lab	
Subtotal		47-48
<b>Required Courses Outside Department</b>		
BI 192	General Cellular Biology	5
BI 194	General Organismal Biology	5
BI 301	General Microbiology	4
BI 333	General Genetics	4
BI 353	Molecular Genetics	3
BI 420	Forensic Molecular Biology	4
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		55
<b>Total Hours</b>		<b>102-103</b>

<sup>1</sup> At least 39 hours in the department are required, including the following courses and their prerequisites.