

APPLIED CHEMISTRY, BA

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 Arts (<https://catalog.washburn.edu/undergraduate/college-arts-sciences/degrees/bachelor-arts/>) 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.

PS 281 General Physics I
& PS 282 and General Physics II

Total Hours

52-57

¹ Does not include CH 390 Chemistry Research, CH 393 Chemistry Internship, and CH 491 Chemistry Seminar

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>Foundation</i>		
CH 320	Analytical Chemistry	3
CH 340	Organic Chemistry I	3
Select two of the following:		6
CH 331	Inorganic Chemistry	
CH 350	Biochemistry I	
CH 380	Fundamentals of Physical Chemistry	
or CH 381	Physical Chemistry I	
<i>In-Depth</i>		
CH 3XX	300-level or higher Chemistry courses ¹	3
<i>Labs</i>		
CH 321	Analytical Chemistry Lab	1
CH 342	Organic Chemistry Lab I	2
Select two of the following:		2-4
CH 327	Instrumental Methods in Forensic Analysis Lab	
CH 332	Inorganic Chemistry Lab	
CH 351	Biochemistry Lab I	
CH 384	Physical Chemistry Concepts Lab	
or CH 385	Physical Chemistry Lab	
<i>Seminar/Capstone</i>		
CH 291	Professionalism in Science	1
CH 390	Chemistry Research	1
or CH 393	Chemistry Internship	
CH 491	Chemistry Seminar	1
Subtotal		33-35
Required Courses Outside Department		
CM XXX	Computer programming language course	3-4
CN 150	Public Speaking	3
MA 140	Statistics	3-5
or MA 151	Calculus & Analytic Geometry I	
Select one of the following physics sequences:		10
PS 261	College Physics I	
& PS 262	and College Physics II	