

BIOCHEMISTRY, 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		
CH 151	Fundamentals of Chemistry I	5
CH 152	Fundamentals of Chemistry II	5
CH 320	Analytical Chemistry	3
CH 321	Analytical Chemistry 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
CH 351	Biochemistry Lab I	2
CH 352	Biochemistry II	3
CH 353	Biochemistry Lab II	2
CH 381	Physical Chemistry I	3
CH 390	Chemistry Research	2
CH 391	((consult department chairperson))	1
Subtotal		40
Required Courses Outside Department		
BI 192	General Cellular Biology	5
BI 301	General Microbiology	4
BI 333	General Genetics	4
BI 353	Molecular Genetics	6
& BI 354	and Molecular Biology Laboratory	
CM 111	Introduction to Structured Programming	4
MA 151	Calculus & Analytic Geometry I	5
PS 281	General Physics I	10
& PS 282	and General Physics II	
Subtotal		38
Total Hours		78

¹ At least 40 hours in the department are required, including the following courses and their prerequisites.