

# FORENSIC BIOLOGY, BS

The BS degree in Forensic Biology is designed to provide students with both the theoretical and practical knowledge required to obtain employment in the forensic biology field. The curriculum is rooted in a rigorous core of biology and other natural sciences, while also exposing students to legal and ethical considerations that are necessary for any career in forensic science.

The coursework for the B.S. in Forensic Biology satisfies the 30-hour natural science concentration and is designed to meet the requirements for accreditation as outlined by the Forensic Science Education Programs Accreditation Commission (FEPAC).

## 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</b>		
BI 192	General Cellular Biology	5
BI 194	General Organismal Biology	5
BI 301	General Microbiology	4
BI 314	Statistics for Biologists	3
BI 333	General Genetics	4
BI 353	Molecular Genetics	3
BI 354	Molecular Biology Laboratory	3
BI 390	Biology Seminar	1
BI 395	Research in Biology (Capstone Course)	3
BI 420	Forensic Molecular Biology	4
Subtotal		35
<b>Required Courses Outside Department</b>		
CH 151	Fundamentals of Chemistry I	5
CH 152	Fundamentals of Chemistry II	5
CH 202		2
CH 323	Advanced Forensic Chemistry	4
CH 340	Organic Chemistry I	3
CH 342	Organic Chemistry Lab I	2
CH 341	Organic Chemistry II	3
CH 343	Organic Chemistry Lab II	2
CJ 115	Introduction to Forensic Investigations	3
CJ 415	Advanced Forensic Investigations	3
CJ 416	Forensic Applied Science Laboratory	3
MA 116	College Algebra	3
MA 151	Calculus & Analytic Geometry I	5
PH 102	Ethics: Introduction to Moral Problems	3
or PH 214	Medical Ethics	
Select one of the following physics sequences:		10

PS 261 & PS 262	College Physics I and College Physics II (1 year with lab)
PS 281 & PS 282	General Physics I and General Physics II (1 year with lab)

### Additional Required Courses

Select one of the following sequences:		5
BI 362 & BI 363	Immunology and Immunology Laboratory	
CH 350 & CH 351	Biochemistry I and Biochemistry Lab I	
Subtotal		61
<b>Total Hours</b>		<b>96</b>