

B.S. in Forensic Science: Forensic Biology Concentration

B.S. in Forensic Science (120 credits)

Forensic Science is the application of STEM to legal matters. The Bachelor of Science in Forensic Science requires foundational coursework in mathematics and the natural sciences. In addition, students complete the program's forensic science core, which is designed to equip students with a background in forensic science core concepts, evidence collection, technical analysis, data interpretation, and professional regulatory practices. Students complete upper-level courses in one of the program's four concentrations: forensic biology, forensic chemistry, crime scene investigation (CSI), or digital forensics. (*Students should be aware that background checks similar to those required for law enforcement officers are likely to be a condition of employment in this field.)

B.S. in Forensic Science: Forensic Biology Concentration

First Year

1st Semester		Credits
CHEM 125	General Chemistry I	3
CHEM 125A	General Chemistry Lab I	1
FYS SEM	First-Year Student Seminar	0
ENGL 101	English Composition: Introduction to Academic Writing	3
MATH 111	Calculus I	4
PHYS 111	Physics I	3
PHYS 111A	Physics I Lab	1
Term Credits		15

2nd Semester

CHEM 126	General Chemistry II	3
CHEM 126A	Gen Chemistry Lab II	1
ENGL 102	English Composition: Introduction to Writing for Research	3
MATH 112	Calculus II	4
PHYS 121	Physics II	3
PHYS 121A	Physics II Lab	1
Term Credits		15

Second Year

1st Semester

BIOL 200	Concepts in Biology	4
CHEM 243	Organic Chemistry I	3
FRSC 201	Intro to Forensic Science	3
MATH 333	Probability and Statistics	3
Computing GER (https://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/computer-science-ger/)		3
Term Credits		16

2nd Semester

BIOL 201	Foundations of Biology: Cell & Molecular Biology Lecture	3
BIOL 202	Foundations of Biology: Cell & Molecular Biology Lab	1
CHEM 244	Organic Chemistry II	3
CHEM 244A	Organic Chemistry I Laboratory	2
FRSC 307	Crime Scene Investigation & Lab	4
History and Humanities GER 200 level (https://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/)		3
Term Credits		16

Third Year

1st Semester

BIOL 205	Foundations of Biology: Ecology and Evolution Lecture	3
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BIOL 206	Foundations of Biology: Ecology and Evolution Lab	1
CHEM 222	Analytical Chemistry	3
FRSC 359	Physical Methods of Forensic Analysis & Lab	4
History and Humanities GER 300+ level (https://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/)		3
Term Credits		14
2nd Semester		
BIOL 340	Mammalian Physiology	4
CHEM 221	Analytical Chemical Methods	2
CHEM 473	Biochemistry	3
HIST 320	Law and Evidence	3
BIOL 356	Molecular Biology	3
Term Credits		15
Fourth Year		
1st Semester		
BIOL 352	Genetics	3
CHEM 475	Biochemistry Lab I	2
Humanities and Social Science Senior Seminar GER (https://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/)		3
300 or 400 level Forensics Elective I		3
300 or 400 level Forensics Elective II		3
Term Credits		14
2nd Semester		
FRSC 479	Forensic Biology & Lab	4
FRSC 480	Forensic Microscopy & Lab	4
Select one of the following:		3
FRSC 490	Co-op Work Experience	
FRSC 491	Research & Indep Study I	
FRSC 495	Senior Seminar	
Free Elective		4
Term Credits		15
Total Credits		120