

# BS in Biological Sciences

Forensic Biology Concentration  
(Effective Fall 2023)



Freshman Fall Semester				Freshman Spring Semester			
Course	Course Name	Cr	Grade	Course	Course Name	Cr	Grade
BIOL-101	General Biology I	4		BIOL-102	General Biology II	4	
CHEM-101	General Chemistry I	4		CHEM-102	General Chemistry II	4	
<b>ENGL-121</b>	<b>Rhetoric and Composition I</b>	2		<b>ENGL-122</b>	<b>Rhetoric and Composition II</b>	2	
BIOL-225	Survey of Forensic Science	3		<b>ENGL 123</b>	<b>Rhetoric and Speech</b>	3	
<b>UNIV191</b>	<b>University Seminar I</b>	1		MTSC 121	Trigonometry	3	
		Total Credits	14			Total Credits	16
Sophomore Fall Semester				Sophomore Spring Semester			
Course	Course Name	Cr	Grade	Course	Course Name	Cr	Grade
PSYCH 101	Intro to General Psychology	4		BIOL-210	Genetics*	4	
CHEM-210	Organic Chemistry I	4		CHEM-211	Organic Chemistry II	4	
BIOL-204	Forensic A&P	4		ART-XXX	Intro Art or Intro Drawing	3	
<b>UNIV-291</b>	<b>Braven</b>	3		<b>ENGL-124</b>	<b>Rhetoric, Research, &amp; Comp III</b>	2	
				BIOL 255	Forensic/Invest Biol Lab	3	
		Total Credits	15			Total Credits	16
SUMMER INTERNSHIP/EXPERIENTIAL LEARNING							
Junior Fall Semester				Junior Spring Semester			
Course	Course Name	Cr	Grade	Course	Course Name	Cr	Grade
				<b>ENGL-XXX</b>	Literature#	3	
<b>PHIL-xxx</b>	<b>Philosophy course (Humanities)</b>	3		XXX	Forensic Elective	4	
BIOL-321	Biostatistics	3		<b>GLOB-395</b>	<b>Global Societies</b>	3	
SCCJ 104	Intro to Criminal Justice	3		xxx	Forensic Elective	4	
BIOL 319	Forensic Biology	4		BIOL 301 or 451**	Capstone I (research / internship)**	1	
SCCJ 101	Introduction to Sociology	4					
		Total Credits	17			Total Credits	15
SUMMER INTERNSHIP/EXPERIENTIAL LEARNING							
Senior Fall Semester				Senior Spring Semester			
Course	Course Name	Cr	Grade	Course	Course Name	Cr	Grade
PHYS-111	Introduction to Physics I	4		PHYS-112	Introduction to Physics II	4	
xxx	Forensic Elective	4		CHEM-403	Biochemistry <b>OR</b>	--	
xxx	Forensic Elective	4		BIOL-422	Biochemical Mechanisms	4	
<b>HIST-xxx</b>	<b>History#</b>	3		xxx	Forensic Elective	4	
		Total Credits	15	BIOL-499*	Senior Seminar ( <b>Capstone II</b> ) <sup>§</sup>	1	
						Total Credits	13

**Total Credits: 121**

\*Writing Intensive Course(s)

\*\* Pre-requisite (not co-requisite) for BIOL 499.

# One of these courses must be used to meet the African American Experience requirement and at least one of the others must meet the Multicultural Experience requirement

§ Registration for BIOL 499 requires approval of Chair of the Undergraduate Academics Committee, Department Chair, and Instructor.

**A grade of C or better must be earned in all courses**

**FORENSIC ELECTIVES:** For the Forensic Science Concentration, students must take five forensic electives, preferably spanning multiple departments (Biology, Chemistry, Psychology, Sociology and Criminal Justice). These include, but are not limited to: BIOL- 307 Principles of Physiology; BIOL-370 Human Anatomy; BIOL-355 Forensic DNA Analysis; and BIOL-325 Forensic Pathology; Forensic Microbiology; BIOL 411 Pharmacology; BIOL 464 Toxicology; CHEM-306 Instrumental Analysis; CHEM-202 Forensic Chemistry; CHEM-462 Chemical Toxicology; NTRS-466 Environmental Toxicology; PSYC-301 Black Psychology; PSYC-304 Forensic Psychology; PSYC-402 Abnormal Psychology; SCCJ-308 Criminology; SCCJ-313 Courts and Criminal Justice; SCCJ-315 Criminal Law; SCCJ-316 Contemporary Issues in Criminal Justice.

If you change to a different concentration, note that acceptance of forensic electives that are not in that concentration must be approved by your advisor and the Chair in writing and at the time of your change.

^ Electives not on the list require advisor / Chair written approval in advance. Non-majors biology courses are not suitable electives for Biology Majors, and will not be approved.

**REQUIREMENTS:** Students must take each of the four Forensic Biology core courses (101, 102, 208, 210) in order and earn a "C" or higher in each before being able to progress to the next in the sequence or to take any 300 or 400 level Biology Department course. A grade of C or higher is required for all courses on the curricula (including the General Education Courses). These grade requirements take precedence over and supersede any lesser specific prerequisites of all 300 or 400 level Biology electives.

**SPECIAL NOTES:** Students must earn a "C" or better in all courses in the Biological Sciences Major.

All Biology majors in the Forensic Science Concentration must complete an independent research project or forensic internship. Those who have completed a research project with a faculty member prior to the beginning of their senior year should register for BIOL 301. Internships conducted external to the department require approval by the Department Chair and the Capstone II instructor. Students who have not completed a research project or completed an adequate internship (BIOL 301) must register for BIOL-451 prior to taking BIOL 499. All Biology majors are required to successfully complete Senior Seminar (Capstone II, BIOL-499), no waivers or substitutions.

**General Note:** The minimum University requirement for graduation is 120 hours; in Biology you will usually complete between 121-125 hours depending on selections.