

Curriculum in Forensic Biology

Freshman Fall Semester			Freshman Spring Semester	
Course	Course Name	Cr	Course	Course Name
23-101	General Biology I	4	23-102	General Biology II
24-101	General and Analytical Chem. I	4	24-102	General and Analytical Chem. II
01-101	English Composition I	3	01-102	English Composition II
36-201	General Psychology (Social Science)	3	25-122	Trigonometry
23-191	University Seminar I	1	23-192	University Seminar II
			23-194	Intro. to Biology Professions
	Total Credits 15			Total Credits
Sophomore Fall Semester			Sophomore Spring Semester	
Course	Course Name	Cr	Course	Course Name
23-215	Cell Biology	4	23-210	Genetics*
24-301	Organic Chemistry I	4	24-302	Organic Chemistry II
16-100	Fitness and Wellness	2	37-104	Introduction to Criminal Justice
23-261	Calculus for Life Sciences	4	23-321	Biostatistics
23-225	Survey of Forensic Science	3	23-255	Forensic/Investigative Biol. Lab
	Total Credits 17			Total Credits
Junior Fall Semester			Junior Spring Semester	
Course	Course Name	Cr	Course	Course Name
23-310	Molecular Biology*	4	23-355	Forensic DNA Analysis
03-105/ 202/322	Ethics course (Humanities)	3	23-370	Human Anatomy
	Literature	3	31-395	Global Societies
23-307	Principles of Physiology	4	01-200	Speech
05-425	Advanced Photography (Art)	3		
	Total Credits 17			Total Credits
Research of Forensic Science Internship				
Senior Fall Semester			Senior Spring Semester	
Course	Course Name	Cr	Course	Course Name
26-211	Fundamentals of Physics I	4	26-212	Fundamentals of Physics II
30-466	Toxicology OR		24-403	Biochemistry OR

24-562	Chemical Toxicology	4	23-422	Biochemical Mechanisms
24-202	Forensic Chemistry	4	37-313	Courts and Criminal Justice
23-4xx	Senior Research (Capstone I)**	2	History	
Total Credits 14			Total Credits	
Total Credits: 124				

** Senior Capstone

* Writing Intensive Course(s)

BIOLOGY ELECTIVES: The BS in Forensic Biology is a very specialized curriculum. Students must follow curriculum carefully. Electives can be taken from Biology, Chemistry, Physics, and Mathematics as needed. These should be requested and selected in consultation with your advisor, and approved by the Forensic Biology Committee. If you are intending to obtain a post-graduate professional degree in Forensics, it is advisable for the student to check possible school requirements during their Junior year to ensure that satisfy expectations of their intended school choices.

If you change to the BS in Biology and other curriculum Tracks note that acceptance of forensic curriculum courses that are not in that tract must be approved by your advisor and the Chair in writing and at the time of your change. The other tracts are designed for the intended career goal, including anticipation of entrance examinations, so students should adhere to the suggested sequence.

REQUIREMENTS: Students can not take either 23-210 or 23-215 without first passing both 23-101 and 23-102 with a grade of "C" or better. In order for a student to take any 300 or 400 level Biology Department course, they must also pass both 23-210 and 23-215 with a "C" or better. These grade requirements take precedence over, and supersede any lesser specific prerequisites of all 300 or 400 level Biology electives.

SPECIAL NOTES: For all programs and tracks, a grade of ?C? or better is required for all Biology and required Forensic courses (not bolded). For the Cell/Molecular/Biotechnology and for the Health Professions tracks, a grade of ?C? or better is also required in all CMNST courses.

All Biology majors must complete an independent research project. Those who have completed a research project with a biology faculty member (e.g. 23-301 for credit, or via a paid stipend) prior to the beginning of their senior year, and especially if the project was an internship at another institution, the student must present their data to their advisor in order to be exempted from the required Senior Capstone I course. If they have not completed a research project, or their internship is inadequate, then they must register for 23-451 or 452 to complete a Capstone research project.

If you take, 23-422 instead of 24-403, then you will need to take another Chemistry course if you want a minor in Chemistry ? Instrumental Analysis (24-306) with lab is suggested.

All Biology majors are required to successfully complete Senior Seminar (Capstone II, 23-499), no exceptions can be made.

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

Source URL: <http://desu.edu/curriculum-forensic-biology>