

Biology BS-Forensic Biomolecular

Biology Track at a Glance



Program Overview:

The Department of Biological Sciences at FIU provides training and research opportunities for undergraduates and graduate students in a wide range of biological disciplines. Our mission is to educate broadly-trained life scientists, to carry out basic and applied biological research, to disseminate the results of our research, and to provide meaningful service to the University, the local community, and the World. This track introduces students to historical and modern DNA typing, human and nonhuman forensics, best laboratory practices and applicability of DNA to criminalistics. It also focuses on critical thinking with respect to methodology selection as well as the future of forensic science.

Prerequisites:

BSC 2010 General Biology I
BSC 2010L General Biology I Lab
BSC 2011 General Biology II
BSC 2011L General Biology II Lab
CHM 1045 General Chemistry I
CHM 1045L General Chemistry I Lab
CHM 1046 General Chemistry II
CHM 1046L General Chemistry II Lab
CHM 2210 Organic Chemistry I
CHM 2210L Organic Chemistry I Lab

CHM 2211 Organic Chemistry II
CHM 2211L Organic Chemistry II Lab
PHY 2048 Physics with Calculus I
-OR- PHY 2053 Physics w/o Calculus I
PHY 2048L Physics I Lab
PHY 2049 Physics with Calculus II
-OR- PHY 2054 Physics w/o Calculus II
PHY 2049L Physics II Lab
MAC 2311 Calculus I
MAC 2312 Calculus II -OR- STA 3111 Statistics I
and STA 3112 Statistics II

Careers/Job Opportunities:

Pharmaceutical Researcher
Clinical Lab Scientist
Genetic Counselor
Physician
Forensic Scientist
Public Health Administrator
Food Safety Expert

Pharmacist
Microbiologist
Epidemiologist
DNA Analyst
Dentist
Veterinarian
Optometrist

Forensic Lab Technician
Biotechnology Researcher
Drug testing/Quality Control
Lab Supervisor/Manager
City/Community Health Official
Secondary Education Teacher
Bioethicist

Recommended Minors, Certificates, or Second Majors:

- Chemistry Minor
- Psychology Minor
- Nutrition Minor
- Certificate in Forensic Science
- Natural and Applied Sciences Second Major

Advising Contact Information:

CASE STEM Advising Center
305-348-2978
biologyadvising@fiu.edu
MMC: OE 164 | BBC: AC1 322A

Helpful Links:

Department Website: <http://biology.fiu.edu>
CASE Advising Website: <http://caseadvising.fiu.edu>
MyMajor Website: <http://mymajor.fiu.edu>
Pre-Health Advising: <http://prehealthadvise.fiu.edu>

College Requirements:

- *All majors in the college must complete 45 credits of upper division prior to graduation. Upper division courses are 3000/4000 level courses, major courses and outside electives can count towards this requirement.*
- *No 1 and 2-credit physical activity courses can be counted towards the 120 credits needed for graduation.*

