



Department of Chemistry and Forensic Science
College of Science, Technology, Engineering, and Math (2025-26)

Suggested Curriculum Guide for B.S. in Forensic Science, Forensic Biology Concentration

Freshman (1st Semester) 17 hrs

GSD 101- Foundations in Learning	3
BIO 111- Cell and Molecular Biology	3
BIO 111L- Cell and Molecular Biology Lab	1
FOR 301- Intro. to Forensic Science	3
MAT 234- Calculus I	4
Gen. Ed. 1A (ENG 101)	3

Sophomore (1st Semester) 14 hrs

BIO 315- Genetics	3
CHE 112- General Chemistry II	4
CHE 112L- General Chemistry II Lab	1
FOR 401- Forensic Professional Practice	1
⁶ PHY 131 <u>or</u> 201 (fulfills Gen. Ed. 4)- College Physics I <u>or</u> University Physics I	5

Junior (1st Semester) 15 hrs

BIO 331- Cell Biology	3
CHE 362- Organic Chemistry II	3
CHE 362L- Organic Chemistry II Lab	1
FOR 432 (fall only)- Forensic Serology	1
FOR 451- Forensic Microscope Analysis	2
FOR 451L- Forensic Microscopy Lab	1
†Restricted Elective (FOR 310 recommended)	1
Gen. Ed. 3A (Arts)	3

Summer

◆ **NOTE:** While not required, it is strongly recommended that students complete **THREE (3) HOURS** of FOR 349: Applied Learning in Forensic Science (3) in a Forensic Laboratory. Students interested in the internship must complete FOR 310 training for Forensic Internship before taking FOR 349.

Senior (1st Semester) 15 hrs

FOR 465 (fall only)- Expert Witness Testimony	3
FOR 499 (fall only)- Forensic Science Capstone	3
†Restricted Elective	3
Gen. Ed. 5A (History)	3
Gen. Ed. 3B Course 2	3

Freshman (2nd Semester) 14-15 hrs

⁶ BIO 112 (fulfills Gen. Ed. 4)- Ecology and Evolution	3
BIO 112L- Ecology and Evolution Lab	1
CHE 111- General Chemistry I	3
CHE 111L- General Chemistry I Lab	1
⁶ STA 215 <u>or</u> ⁶ 270 (fulfills Gen. Ed. 2) - Intro.to Statistical Reasoning <u>or</u> Applied Statistics	3-4
Gen. Ed. 1B (ENG 102)	3

Sophomore (2nd Semester) 16 hrs

CHE 361- Organic Chemistry I	3
CHE 361L- Organic Chemistry I Lab	1
BIO 320- Principles of Microbiology	4
PHY 132 <u>or</u> 202- College Physics II <u>or</u> University Physics II	5
Gen. Ed. 1C (Oral Comm.)	3

Junior (2nd Semester) 15 hrs

CHE 430- Biochemistry of Macromolecules	3
CHE 432- Biochemistry Lab	1
FOR 330- Bloodstain Pattern Analysis	1
FOR 431 (spring only)- DNA Profiling	3
FOR 431L (spring only)- DNA Profiling Lab	1
†Restricted Elective	3
Gen. Ed. 3B Course 1	3

Senior (2nd Semester) 13-14 hrs

BIO 531- Principles of Molecular Biology	4
†Restricted Elective	2
Gen. Ed. 3B (Humanities) Course 2	3
Gen. Ed. 5B (Soc. & Behav. Sci.) Course 2	3
Free Elective	1-2

⁶ Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.

UNIVERSITY GRADUATION REQUIREMENTS.....39 hours

General Education.....36 hours
Foundations in Learning (GSD 101; waived for transfers with 30+ hrs) 3 hours

MAJOR REQUIREMENTS

Core Courses48 hours

CHE 111, CHE 111L, CHE 112, CHE 112L, CHE 361, CHE 361L, CHE 362, CHE 362L, CHE 430, FOR 301, FOR 401, FOR 431, FOR 451, FOR 451L, FOR 465, FOR 499, MAT 234, PHY 132 or PHY 202, BIO 111, BIO 111L

Concentration Requirements..... 28 hours

BIO 315, BIO 320, BIO 331, BIO 531, CHE 432, FOR 330, FOR 431L, FOR 432

†PLUS, NINE (9) HOURS selected from the following (restricted elective):

ANT 306, ANT 380, ANT 385, BIO 208, BIO 208L, BIO 308, BIO 308L, BIO 348, BIO 527, BIO 528, BIO 533, BIO 535, BIO 546, CHE 325 and CHE 325L, CHE 425 and CHE 425L OR FOR 411 and FOR 411L, CHE 431, CHE 401, CHE 401L, CHE 420, FOR 310, FOR 349, FOR 412 and FOR 412L, FOR 442, FOR 442L, FOR 460, FOR 490, PLS 316

Supporting Course Requirements.....3-4 hours

⁶ BIO 112, BIO 112L, ⁶ PHY 131 or ⁶ PHY 201, ⁶STA 215 or ⁶STA 270

Free Electives1-2 hours

Total Curriculum Requirements..... 120 hours