

# Bachelor of Science in Biology with a Concentration in Forensic Science

## 2022 - 2023 Degree Requirements Checklist

### College of Science Admission Requirement

Students must demonstrate proficiency in College Algebra by placing into Math Level 2 or higher through the UNT Math Placement Exam **OR** completing College Algebra or higher with a grade of C or higher.

### Foundation Course Requirements

Students must complete the following courses with a C or higher and at least a 2.5 overall GPA in these courses to take advanced coursework for the degree.

- **BIOL 1710:** Biology for Science Majors I (3hrs)
- **BIOL 1720:** Biology for Science Majors II (3hrs)
- **BIOL 1760:** Biology for Science Majors Lab (2hrs)
- **BIOL 2041 & 2042:** Microbiology & Lab (4hrs)
- **CHEM 1410 & 1430:** General Chemistry I & Lab (4hrs)
- **CHEM 1420 & 1440:** General Chemistry II & Lab (4hrs)
- **CHEM 2370 & 3210:** Organic Chemistry I & Lab (4hrs)
- One of the following:
  - **MATH 1680:** Elem. Probability & Statistics (3hrs)
  - **MATH 1780:** Probability Models (3hrs)

### Major Requirements

Students must complete the following courses with a C or higher.

- **BIOL 3451 & 3452:** Genetics & Lab (4hrs)
- **BIOL 3510 & 3520:** Cell Biology & Lab (4hrs)
- **BIOL 3800 & 4510:** Animal Physiology & Lab (4hrs)
- **BIOL 4570:** Biochem & Molecular Bio of the Gene (3hrs)
- **BIOC 3621 & 3622:** Principles of Biochemistry & Lab (4hrs)
- **CHEM 2380 & 3220:** Organic Chemistry II & Lab (4hrs)
- **CHEM 3451 & 3452:** Quantitative Analysis & Lab (4hrs)

### Forensic Science Concentration Requirements

Students must complete the following courses with a C or higher.

- **BIOL 3331:** Biomedical Criminalistics (3hrs)
- **BIOL 4240:** Forensic Microscopy (3hrs)
- **BIOL 4590:** Forensic Molecular Biology Lab (3hrs)
- **CHEM 3330:** Forensic Science Analysis (4hrs)
- **CHEM 4351:** Forensic Chemistry (3hrs)
- **CHEM 4360:** Principles of Forensic Science (3hrs)
- **CHEM 4631 & 4632:** Instrumental Analysis & Lab (4hrs)
- **BIOL 4900:** Forensic Science Internship (3hrs)
  - *Must be approved by Forensic Science Program Director*

### Other Required Courses for Degree

- **MATH 1710:** Calculus I (4hrs)
- One of the following:
  - **PHYS 1410 & 1430 and 1420 & 1440:** General Physics I and II & Labs (8hrs)
  - **PHYS 1510 & 1530 and 1520 & 1540:** General Physics I and II with Calculus & Labs (8hrs)
- **TECM 2700:** Technical Writing (3hrs) (*double-dips with core*)

### Minor Requirements

All Biology majors are awarded a Chemistry minor after completing their required chemistry courses within their degree requirements. Students can choose to add additional minors.

### University Core Requirements

Communication – English Composition and Rhetoric (6hrs total)  
*C or higher required for English core*

- **ENGL 1310:** First-Year Writing I (3hrs)
  - **TECM 2700:** Technical Writing (3hrs) (*double-dips with major*)
- Mathematics (at least 3hrs total)
- Double-dips with major requirement
- Laboratory Sciences (at least 6hrs total)
- Double-dips with major requirement
- Creative Arts (3hrs total)
- See catalog or online degree audit for acceptable options
- Language, Philosophy, & Culture (3hrs total)
- See catalog or online degree audit for acceptable options
- American History (6hrs total)
- **HIST 2610:** US History to 1865 (3hrs)
  - **HIST 2620:** US History since 1865 (3hrs)
- Government/Political Science (6hrs total)
- **PSCI 2305:** (3hrs)
  - **PSCI 2306:** (3hrs)
- Social & Behavioral Sciences (3hrs total)
- See catalog or online degree audit for acceptable options
- Component Area Option (6hrs total)
- Double-dips with major requirement

### Additional University Requirements

- Minimum of 120 total hours
- Minimum of 36 advanced hours
- Minimum 2.75 GPA in all math and science courses
- Minimum 2.000 UNT GPA
- Minimum 2.000 Overall GPA

College of Science Advising Center

Hickory Hall 283; (940) 369-8606; COSAdvising@unt.edu

This is an unofficial simplified checklist effective Fall 2022. Degree requirements and pre-requisites are subject to change, please check with an advisor for any updates. Online catalog - <http://catalog.unt.edu/>

## Bachelor of Science in Biology with a Concentration in Forensic Science, 2022 - 2023

This plan is one example of how to complete the degree in 4 years. It assumes starting with Math Placement Level 2. It will work for some, not all. Remember to take this information, meet with advisors, plan around your circumstances, and make your path. Degree requirements and pre-requisites are subject to change, please consult advisors for updates. Online catalog - <http://catalog.unt.edu/>

F r e s h m a n	Fall Semester - 15 hours		
	Course	Title	Hours
	BIOL 1710*	Biology 1	3
	CHEM 1410 & 1430*	General Chemistry 1 & Lab	4
	MATH 1650*	Pre Calculus	5
ENGL 1310*	First Year Writing 1	3	

Spring Semester - 16 hours		
Course	Title	Hours
BIOL 1720*	Biology 2	3
BIOL 1760*	Biology Lab	2
CHEM 1420 & 1440*	General Chemistry 2 & Lab	4
MATH 1710	Calculus 1	4
TECM 2700*	Technical Writing	3

S o p h o m o r e	Fall Semester - 16 hours		
	Course	Title	Hours
	BIOL 2041 & 2042*	Microbiology & Lab	4
	CHEM 2370 & 3210*	Organic Chemistry 1 & Lab	4
	CHEM 3330*	Forensic Science Analysis	4
PHYS Option 1	Physics & Lab - See checklist for options	4	

Spring Semester - 17 hours		
Course	Title	Hours
BIOL 3331*	Biomedical Criminalistics	3
BIOL 3451 & 3452*	Genetics & Lab	4
CHEM 2380 & 3220*	Organic Chemistry 2 & Lab	4
CHEM 4360*	Principles of Forensic Science	3
Lang, Phil, Culture Core	See Guidebook for Options	3

J u n i o r	Fall Semester - 15 hours		
	Course	Title	Hours
	BIOL 3510 & 3520*	Cell Biology & Lab	4
	CHEM 3451 & 3452*	Quantitative Analysis & Lab	4
	PHYS Option 2	Physics & Lab - See checklist for options	4
MATH 1680 or 1780*	Elem. Probability & Stats or Probability Models	3	

Spring Semester - 17 hours		
Course	Title	Hours
BIOL 3800 & 4510*	Animal Physiology & Lab	4
BIOC 3621 & 3622*	Principles of Biochemistry & Lab	4
CHEM 4351*	Forensic Chemistry	3
Social & Behv Sci Core	See Guidebook for Options	3
Creative Arts Core	See Guidebook for Options	3

S e n i o r	Fall Semester - 15 hours		
	Course	Title	Hours
	BIOL 4240*	Forensic Microscopy	3
	BIOL 4570*	Biochem & Molecular Bio of the Gene	3
	PSCI 2305	US Government	3
HIST 2610	US History up to 1865	3	
BIOL 4900*	Forensic Science Internship	3	

Spring Semester - 13 hours		
Course	Title	Hours
CHEM 4631 & 4632*	Instrumental Analysis & Lab	4
BIOL 4590*	Forensic Molecular Biology Lab	3
PSCI 2306	State Government	3
HIST 2620	US History from 1865 to now	3

1. The minor in Chemistry cannot be removed, but you may have more than one minor.
  2. Minimum 2.75 GPA in all math and science courses
- \*Must earn a C or better