

# Bachelor of Science in Biochemistry 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 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.

- **CHEM 2380 & 3220:** Organic Chemistry II & Lab (4hrs)
- **CHEM 3451 & 3452:** Quantitative Analysis & Lab (4hrs)
- **BIOC 4540:** Biochemistry I (3hrs)
- **BIOC 4550:** Biochemistry II (3hrs)
- **BIOC 4560:** Biochemistry Lab (2hrs)
- **BIOC 4570:** Biochem & Molecular Bio of the Gene (3hrs)
- **CHEM 3510:** Physical Chemistry I (3hrs)
- **CHEM 3520:** Physical Chemistry II (3hrs)
- **BIOL 3510 & 3520:** Cell Biology & Lab (4hrs)
- **BIOL 3451 & 3452:** Genetics & 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) (*C or higher*)
- **MATH 1720:** Calculus II (3hrs) (*C or higher*)
- One of the following:
  - **PHYS 1510 & 1530 and 1520 & 1540:** General Physics I and II with Calculus & Labs (8hrs)
    - (*C or higher in PHYS 1510*)
  - **PHYS 1710 & 1730 and 2220 & 2240:** Mechanics and Electricity & Magnetism & Labs (8hrs)
    - (*C or higher in PHYS 1710*)
- **TECM 2700:** Technical Writing (3hrs) (*double-dips with core*)

### Minor Requirements

All Biochemistry majors are awarded a Biology minor after completing their required biology 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/>