# 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 & 3520**: Cell Biology & Lab (4hrs)
- **BIOC 4900**: Forensic Science Internship (3hrs)
  - Must be approved by Forensic Science Program Director

## Forensic Science Concentration Requirements
Students must complete the following courses with a C or higher.

- **BIOC 4140**: Biomedical Criminalistics (3hrs)
- **BIOC 4240**: Forensic Microscopy (3hrs)
- **BIOC 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)
- **BIOC 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 major)*

## 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/](http://catalog.unt.edu/)