

Bachelor of Science in Biochemistry

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)
- One of the following:
 - **BIOL 2041 & 2042:** Microbiology & Lab (4hrs)
 - **BIOL 1720:** Biology for Science Majors II (3hrs)
- **CHEM 1410 & 1430:** General Chemistry I & Lab (4hrs)
- **CHEM 1420 & 1440:** General Chemistry II & Lab (4hrs)
- **CHEM 2370 & 3210:** Organic Chemistry I & Lab (4hrs)
- **MATH 1650:** Pre-Calculus (5hrs)

Major Requirements

Students must complete the following courses with a C or higher and at least a 2.0 overall GPA in these courses to graduate with the degree.

- **CHEM 2380 & 3220:** Organic Chemistry II & Lab (4hrs)
- **CHEM 3451 & 3452:** Quantitative Analysis & Lab (4hrs)
- **CHEM 3510:** Physical Chemistry I (3hrs)
- **CHEM 3520:** Physical Chemistry II (3hrs)
- **BIOC 4540:** Biochemistry I (3hrs)
- **BIOC 4550:** Biochemistry II (3hrs)
- **BIOC 4560:** Biochemistry Lab (2hrs)
- **BIOC 4570 & 4580:** Biochem & Molecular Bio of the Gene & Lab (5hrs)
- **BIOL 3510 & 3520:** Cell Biology & Lab (4hrs)
- **BIOL 3451 & 3452:** Genetics & Lab (4hrs)
- **Four** hours of advanced biology course with associated lab

Other Required Courses for Degree

- **MATH 1710:** Calculus I (4hrs) (*C or higher*)
- **MATH 1720:** Calculus II (3hrs)
- 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 2.000 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/>