

Bachelor of Science in Chemistry

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.

Chemistry Foundation Requirements

- **CHEM 1400:** First Year Seminar in Chemistry (1hr)
- **CHEM 1410 & 1430:** General Chemistry I & Lab (4hrs)
 - (C or higher)
- **CHEM 1420 & 1440:** General Chemistry II & Lab (4hrs)
 - (C or higher)
- **CHEM 2370 & 3210:** Organic Chemistry I & Lab (4hrs)
 - (C or higher)
- **CHEM 2380 & 3220:** Organic Chemistry II & Lab (4hrs)
 - (C or higher)
- **CHEM 3451 & 3452:** Quantitative Analysis & Lab (4hrs)
 - (C or higher)

Major Requirements

- **CHEM 3510 & 3230** Physical Chemistry I & Lab (4hrs) (C or higher)
- **CHEM 3520 & 3240** Physical Chemistry II & Lab (4hrs) (C or higher)
- **CHEM 4610:** Advanced Inorganic Chemistry Lecture (3hrs)
- **CHEM 4620:** Advanced Inorganic Chemistry Lab (1hr)
- **CHEM 4631 & 4632:** Instrumental Analysis & Lab (4hrs)
- Six additional hours at the 4000 level
 - **BIOC 4540:** Biochemistry I (3hrs) required to satisfy ACS certification

Other Required Courses for Degree

- **MATH 1710:** Calculus I (4hrs) (C or higher)
- **MATH 1720:** Calculus II (3hrs) (C or higher)
- **MATH 2700:** Linear Algebra and Vector Geometry (3hrs)
- **MATH 2730:** Multivariable Calculus (3hrs)
- One of the following:
 - **PHYS 1510 & 1530 and 1520 & 1540:** General Physics I and II with Calculus & Labs (8hrs) (C or higher in both)
 - **PHYS 1710 & 1730 and 2220 & 2240:** Mechanics and Electricity & Magnetism & Labs (8hrs) (C or higher in both)

Minor Requirements

A minor of at least 18 hours in Mathematics, Computer Science, Physics, Biology, Geology (if taken as a laboratory science), or Materials Science, of which 6 hours must be advanced.

University Core Requirements

Communication – English Composition and Rhetoric (6hrs total)

C or higher required for English core

- **ENGL 1310:** First-Year Writing I (3hrs)
- **ENGL 1320:** First-Year Writing II (3hrs) or **TECM 2700:** Technical Writing (3hrs)

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
 - A minimum of 2 hours of advanced electives are needed to meet university requirement
- Minimum 2.5 GPA on all advanced science, math, and engineering 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/>