

Bachelor of Arts with a major 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)

Major Requirements

One of the following options:

- Option 1: (*recommended for advanced studies in chemistry*)
 - **CHEM 3510 & 3230** Physical Chemistry I & Lab (4hrs)
 - (C or higher)
 - **CHEM 3520 & 3240** Physical Chemistry II & Lab (4hrs)
 - 3 additional hours of 4000 level chemistry OR
 - **BIOC 3621 & 3622:** Principles of Biochemistry & Lab (4hrs)
- Option 2: (*recommended for a career in chemistry industry*)
 - **CHEM 3510 & 3230** Physical Chemistry I & Lab (4hrs)
 - 7 additional hours of 4000 level chemistry
 - may include **BIOC 3621 & 3622:** Principles of Biochemistry & Lab (4hrs)
- Option 3: (*recommended for health professions*)
 - **CHEM 3530** Physical Chemistry for Life Science (4hrs)
 - 7 additional hours of 4000 level chemistry
 - may include **BIOC 3621 & 3622:** Principles of Biochemistry & Lab (4hrs)

Other Required Courses for Degree

- **MATH 1710:** Calculus I (4hrs)
 - (C or higher)
- **MATH 1720:** Calculus II (3hrs)
 - (C or higher if taking **PHYS 2220** or **CHEM 3510**)
- 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)
 - (C or higher for **PHYS 1510**)
 - **PHYS 1710 & 1730 and 2220 & 2240:** Mechanics and Electricity & Magnetism & Labs (8hrs)
 - (C or higher for **PHYS 1710**)

College Requirements

- One of the following:
 - **COS Breadth** – Students can complete 12 hours from any subject outside of the College of Science. (*May not also apply to University Core*)
 - **Foreign Language** – Students must demonstrate proficiency through the 2050 level in one language: Arabic, Chinese, French, German, Italian, Japanese, Latin, Russian, Spanish, or American Sign Language

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 19 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/>