Bachelor of Arts with a major in Chemistry
College of Science Advising Center
Hickory Hall 283; (940) 369-8606; COSAdvising@unt.edu

University Core Requirements

Communication (English Composition):
- ENGL 1310: College Writing I
- ENGL 1320: College Writing II or TECM 2700: Technical Writing

Creative Arts:
- Choose from approved list

Language, Philosophy, & Culture:
- Choose from approved list

American History to 1865:
- HIST 2610

American History since 1865:
- HIST 2620

Federal Government/Political Science:
- PSCI 2305

State Government/Political Science:
- PSCI 2306

Social & Behavioral Sciences:
- Choose from approved list

College of Science Requirements

Algebra Proficiency
To be admitted into the College of Science, students must complete College Algebra with a grade of C or higher, or demonstrate proficiency through a math placement exam.

Foreign Language Requirement Options
Must demonstrate proficiency at the 2050 level in one language: Arabic, Chinese, French, German, Italian, Japanese, Latin, Russian, Spanish, or American Sign Language

OR
COS Breadth
Students can complete 12 hours from subjects outside of the College of Science. (May not also apply to University Core.)

Major Requirements

CHEM 1410 & 1430: General Chemistry I with Laboratory
CHEM 1420 & 1440: General Chemistry II with Laboratory
CHEM 2370 & 3210: Organic Chemistry I with Laboratory
CHEM 2380 & 3220: Organic Chemistry II with Laboratory
CHEM 3451 & 3452: Quantitative Analysis with Laboratory

Choose one of the following options:

Option 1: (recommended for advanced studies in chemistry)
- CHEM 3510 & 3230 Physical Chemistry I with Laboratory
- 3 additional hours of 4000 level chemistry or BIOC 3621 & 3622 Principles of Biochemistry with Laboratory

Option 2: (recommended for a career in chemistry industry)
- CHEM 3510 & 3230 Physical Chemistry I with Laboratory
- 7 additional hours of 4000 level chemistry (may include BIOC 3621 & 3622 Principles of Biochemistry with Laboratory)

Option 3: (recommended for health professions)
- CHEM 3530 Physical Chemistry for Life Science
- 7 additional hours of 4000 level chemistry (may include BIOC 3621 & 3622 Principles of Biochemistry with Laboratory)

Required Courses for Degree

MATH 1710: Calculus I
MATH 1720: Calculus II
Choose one of the following options:
- PHYS 1410 & 1430 & 1420 & 1440: General Physics I and II with Laboratories
- PHYS 1510 & 1530 & 1520 & 1540: General Physics I and II with Calculus with Laboratories
- PHYS 1710 & 1730 & 2220 & 2240: Mechanics and Electricity & Magnetism with Laboratories

This is an unofficial simplified checklist effective fall 2019. Degree requirements are subject to change, please check with an advisor for any updates.
All students are required to earn a minimum of 120 total hours and 36 advanced hours, check with an advisor to see if electives are necessary for your degree.
Bachelor of Science in Chemistry
College of Science Advising Center
Hickory Hall 283; (940) 369-8606; COSAdvising@unt.edu

University Core Requirements

Communication (English Composition):
- ENGL 1310: College Writing I
- ENGL 1320: College Writing II or TECM 2700: Technical Writing
Creative Arts:
- Choose from approved list
Language, Philosophy, & Culture:
- Choose from approved list
American History to 1865:
- HIST 2610
American History since 1865:
- HIST 2620
Federal Government/Political Science:
- PSCI 2305
State Government/Political Science:
- PSCI 2306
Social & Behavioral Sciences:
- Choose from approved list

College of Science Requirements

Algebra Proficiency
To be admitted into the College of Science, students must complete College Algebra with a grade of C or higher, or demonstrate proficiency through a math placement exam.

Major Requirements
- CHEM 1410 & 1430: General Chemistry I with Laboratory
- CHEM 1420 & 1440: General Chemistry II with Laboratory
- CHEM 2370 & 3210: Organic Chemistry I with Laboratory
- CHEM 2380 & 3220: Organic Chemistry II with Laboratory
- CHEM 3451 & 3452: Quantitative Analysis with Laboratory
- CHEM 3510 & 3230: Physical Chemistry I with Laboratory
- CHEM 3520 & 3240: Physical Chemistry II with Laboratory
- CHEM 4610 & 4620: Advance Inorganic Chemistry with Laboratory
- CHEM 4631 & 4632: Instrumental Analysis with Laboratory
- 6 additional hours of advanced chemistry (BIOC 4540: Biochemistry to satisfy ACS certification requirements)

Required Courses for Degree
- MATH 1710: Calculus I
- MATH 1720: Calculus II
- MATH 2700: Linear Algebra and Vector Geometry
- MATH 2730: Multivariable Calculus
- PHYS 1710 & 1730: Mechanics with Laboratory
- PHYS 2220 & 2240: Electricity and Magnetism with Laboratory

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.

This is an unofficial simplified checklist effective fall 2019. Degree requirements are subject to change, please check with an advisor for any updates. All students are required to earn a minimum of 120 total hours and 36 advanced hours, check with an advisor to see if electives are necessary for your degree.