Bachelor of Arts with a major in Chemistry
2020-2021 Checklist

**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 Catalog

- **Language, Philosophy, & Culture:**
  - *Choose from Catalog

- **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 Catalog

**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 & Laboratory
- **CHEM 1420 & 1440:** General Chemistry II & Laboratory
- **CHEM 2370 & 3210:** Organic Chemistry I & Laboratory
- **CHEM 2380 & 3220:** Organic Chemistry II & Laboratory
- **CHEM 3451 & 3452:** Quantitative Analysis & Laboratory

**Major Requirements (continued)**

- **Choose one of the following options:**
  - **Option 1:** *(recommended for advanced studies in chemistry)*
    - CHEM 3510 & 3230: Physical Chemistry I & Laboratory
    - CHEM 3520 & 3240: Physical Chemistry II & Laboratory
    - 3 additional hours of 4000 level chemistry OR BIOC 3621 & 3622: Principles of Biochemistry & Laboratory
  - **Option 2:** *(recommended for a career in chemistry industry)*
    - CHEM 3510 & 3230: Physical Chemistry I & Laboratory
    - 7 additional hours of 4000 level chemistry (may include BIOC 3621 & 3622: Principles of Biochemistry & 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 & Laboratory)

**Required Courses for Degree**

- **MATH 1710:** Calculus I
- **MATH 1720:** Calculus II

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

**Minor Requirements**

- Minor is optional

**Additional Requirements**

- Minimum 2.5 GPA on all advanced science and engineering courses
- Minimum of 120 total hours
- Minimum of 36 advanced hours
- Check with an advisor to see if electives are necessary to reach minimums

College of Science Advising Center
Hickory Hall 283; (940) 369-8606; COSAdvising@unt.edu

This is an unofficial simplified checklist effective Fall 2020. Degree requirements are subject to change, please check with an advisor for any updates.