### 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.

<table>
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<th>Chemistry Foundation Requirements</th>
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<tr>
<td>• CHEM 1400: First Year Seminar in Chemistry (1hr)</td>
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<td>• CHEM 1410 &amp; 1430: General Chemistry I &amp; Lab (4hrs) (C or higher)</td>
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<td>• CHEM 1420 &amp; 1440: General Chemistry II &amp; Lab (4hrs) (C or higher)</td>
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<td>• CHEM 2370 &amp; 3210: Organic Chemistry I &amp; Lab (4hrs) (C or higher)</td>
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<td>• CHEM 2380 &amp; 3220: Organic Chemistry II &amp; Lab (4hrs) (C or higher)</td>
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<td>• CHEM 3451 &amp; 3452: Quantitative Analysis &amp; Lab (4hrs) (C or higher)</td>
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### 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)
  - ENGL 1310: First-Year Writing I (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

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**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/](http://catalog.unt.edu/)