

**Bachelor of Science:  
Major in Chemistry  
2017-2018 Catalog Year**

This degree may be certified as meeting the standards of the American Chemical Society

**Requirements**

- 120 total semester hours
  - A minimum of 30 hours must be completed at UNT
- 42 advanced hours
  - 24 advanced hours must be completed at UNT, including 12 advanced hours earned at UNT in major
- A minimum of 27 hours in major
- A minimum 2.5 GPA in all advanced-level science and mathematics courses required for the degree.

**University Core Requirements**

**Communication:** 6 hours

ENGL 1310/1313, TECM 1700 \_\_\_\_\_

ENGL 1320/1323, TECM 2700 \_\_\_\_\_

**Mathematics:** 3 hours

MATH 1710 \_\_\_\_\_

**Life & Physical Sciences:** 8 hours

CHEM 1410/1430 \_\_\_\_\_

CHEM 1420/1440 \_\_\_\_\_

**Creative Arts:** 3 hours

Choose from approved list \_\_\_\_\_

**Language, Philosophy, & Culture:** 3 hours

Choose from approved list \_\_\_\_\_

**American History:** 6 hours

HIST 2610 \_\_\_\_\_

HIST 2620 \_\_\_\_\_

**Government/Political Science:** 6 hours

PSCI 2305 \_\_\_\_\_

PSCI 2306 \_\_\_\_\_

**Social & Behavioral Sciences:** 3 hours

Choose from approved list \_\_\_\_\_

**Component Area Option (Category I):** 3 hours

See approved list \_\_\_\_\_

**Component Area Option (Category II):** 3 hours

May be satisfied by third science or substitution approved by department

**Academic Advising**

To schedule an appointment with a COS Academic Advisor, please call 940-369-8606.

Undergraduate Chemistry Advisors: Dr. Acree: [Bill.Acree@unt.edu](mailto:Bill.Acree@unt.edu)  
Dr. Weber [Rebecca.Weber@unt.edu](mailto:Rebecca.Weber@unt.edu)

**College of Science Requirements**

**Laboratory Science:**

1 course in addition to the University Core:  
course must be in Natural & Life Sciences \_\_\_\_\_

**Major Requirements**

CHEM 1410 & 1430	General Chemistry I & Lab
CHEM 1420 & 1440	General Chemistry II & Lab
CHEM 2370 & 3210	Organic Chemistry I & Lab
CHEM 2380 & 3220	Organic Chemistry II & Lab
CHEM 3451 & 3452	Quantitative Analysis & Lab
CHEM 3510 & 3230	Physical Chemistry I & Lab
CHEM 3520 & 3241	Physical Chemistry II & Lab
CHEM 4610 & 4620	Advanced Inorganic Chem. & Lab
CHEM 4631 & 4632	Instrumental Analysis & Lab

Add'l 6 hrs. at senior level (4...) with either Option I or II

**Option I**

Special Problems CHEM 4900 (as individual research)  
4 Additional Hours CHEM 4xxx\*\*

**Option II**

Special Problems CHEM 4900 (as individual research)  
CHEM 4660 Computational Chemistry  
2 Additional Hours CHEM 4xxx\*\*

\*\* 3 hrs. of BIOC 4540 is required for ACS certification

**Math Requirements**

MATH 1710 and 1720	Calculus I and II
MATH 2700	Linear Algebra
MATH 2730	Multivariable Calculus

**Physics Requirements**

PHYS 1710 & 1730	Mechanics & Lab
PHYS 2220 & 2240	Electricity and Magnetism & Lab

**Minor Requirements**

6-20 hrs. in selected Minor: Mathematics, Physics, Biology, Computer Sciences, or Earth Sciences