

Undergraduate Advisor:
 Dr. Bill Acree
 Chemistry Building, Room 162
 (940) 565-3543
 acree@unt.edu

**UNIVERSITY OF NORTH TEXAS
 COLLEGE OF ARTS AND SCIENCES
 DEPARTMENT OF CHEMISTRY
 REQUIREMENTS FOR THE BACHELOR OF SCIENCE (B.S.)**

Additional Contact Information:
 Chemistry Student Services Office
 Chemistry Building, Room 207
 (940) 565-3554
 chem@unt.edu
 http://www.chem.unt.edu

MINOR* REQUIRED: (BIOLOGY, COMPUTER SCIENCES, EARTH SCIENCE, MATHEMATICS OR PHYSICS)

THIS IS NOT A DEGREE PLAN

NOTE: This degree requires a total of 120 credit hours of which at least 42 credit hours must be advanced (Junior (3000) or Senior (4000) level)

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

credit advanced
 hours hours

DEPARTMENTAL REQUIREMENTS

CHEMISTRY (42 hrs)

General (1410, 1420; and labs: 1430, 1440)	8		
or Honors General (1413, 1423; and labs: 1430, 1440)			
Organic (2370, 2380; and labs: 3210, 3220)	8		2
Quantitative Analysis (3451 and lab 3452) (Fall only)	4		4
Physical Chemistry (3510, 3520; and labs: 3230, 3240) (3510-Fall, 3520-Spring)	8		8
Advanced Inorganic (4610) (Fall only)	3		3
Advanced Inorganic Lab (4620) (Spring only)	1		1
Instrumental Analysis (4631 and lab 4632) (Spring only)	4		4
Add'l 6 hrs at senior level (4xxx) with <i>either</i> Option I or Option II			
<u>Option I:</u>			
Special Problems 4900 (<i>as individual research</i>)	2	}	
**Additional 4xxx hours	4		
<u>Option II:</u>			
Special Problems 4900 (<i>as individual research</i>)	1	}	6
Computational Chemistry 4660	3		
**Additional 4xxx hours	2		

**3 hours of BIOC 4540 is required for ACS certification and may be used as 3 of the required CHEM 4xxx hours

MATHEMATICS (13 hrs)

Introductory calculus (1710, 1720).....	7
Linear algebra (2700).....	3
Multivariable calculus (2730)	3

PHYSICS (8 hrs)

1710 (with lab 1730): Mechanics and Thermodynamics.....	4
2220 (with lab 2240): Electricity, Magnetism and Optics	4

MINOR* in MATHEMATICS, PHYSICS, BIOLOGY, COMPUTER SCIENCES

OR EARTH SCIENCE	6-20	6
------------------------	------	---

UNIVERSITY CORE REQUIREMENTS

<u>ENGLISH COMPOSITION & RHETORIC</u> (See A on other side)	6
<u>VISUAL OR PERFORMING ARTS</u> (See D on other side)	3
<u>HUMANITIES</u> (See E on other side - choose one)	3
<u>UNITED STATES HISTORY</u> (See F on other side)	6
<u>AMERICAN GOVERNMENT</u> (See G on other side).....	6
<u>SOCIAL AND BEHAVIORAL SCIENCES</u> (See H on other side)	3
<u>UNDERSTANDING THE HUMAN COMMUNITY</u> (See I on other side – choose two)	6

Plus hours required for TOTAL of 120 42

*A minor area requires 6-20 credit hours of which at least 6 are advanced (see department for individual requirements).