

Major in Biology

*Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. **Some requirements may have changed because the University Core Curriculum was being revised at the time this catalog went to press. Contact a degree program adviser.***

BA with a Major in Biology html

FRESHMAN YEAR

FALL	HOURS
BIOL 1710, Principles of Biology I, or BIOL 1711, Honors Principles of Biology I	3
BIOL 1730, Principles of Biology I Laboratory	1
CHEM 1410, General Chemistry, or CHEM 1413, Honors General Chemistry ¹⁰	3
CHEM 1430, General Chemistry Laboratory	1
ENGL 1310, College Writing	3
PSCI 1040, American Government	3
Wellness ¹¹	<u>3</u>
Total	17

SOPHOMORE YEAR

FALL	HOURS
BIOL 2040, Biology of Microorganisms	4
CHEM 2370, Organic Chemistry	3
CHEM 3210, Organic Chemistry Laboratory ²⁰	1
MATH 1710, Calculus I	4
CSCI ¹	3
Oral Communication ²	<u>3</u>
Total	18

JUNIOR YEAR

FALL	HOURS
ENGL 2220, World Literature II	3
LANG 2040, Foreign Language (intermediate) ³	3
PHYS 1410, General Physics I	3
PHYS 1430, General Physics I Laboratory	1
BIOL (advanced) ²¹	4
Elective (advanced) ¹⁶	<u>3</u>
Total	17

SENIOR YEAR

FALL	HOURS
HIST 2610, United States History to 1865 ¹²	3
BIOL (advanced) ²¹	4
Elective (advanced) ¹⁶	3
Elective (advanced) ¹⁶	3
Understanding of Ideas and Values ⁸	3
Visual and Performing Arts ⁷	<u>3</u>
Total	19

FRESHMAN YEAR

SPRING	HOURS
BIOL 1720, Principles of Biology II, or BIOL 1722, Honors Principles of Biology II	3
BIOL 1740, Principles of Biology II Laboratory	1
CHEM 1420, General Chemistry, or CHEM 1423, Honors General Chemistry ¹⁰	3
CHEM 1440, General Chemistry Laboratory	1
ENGL 1320, College Writing II ⁶	3
MATH 1650, Pre-calculus ⁴	<u>5</u>
Total	16

SOPHOMORE YEAR

SPRING	HOURS
BIOL 2140, Principles of Ecology	3
CHEM 2380, Organic Chemistry	3
CHEM 3220, Organic Chemistry Laboratory	1
ENGL 2210, World Literature I	3
PSCI 1050, American Government II	3
BIOL, (advanced) ²¹	<u>4</u>
Total	17

JUNIOR YEAR

SPRING	HOURS
ECON 1110, Principles of Macroeconomics	3
LANG 2050, Foreign Language (intermediate) ³	3
PHYS 1420, General Physics II	3
PHYS 1440, General Physics II Laboratory	1
BIOL (advanced) ²¹	4
CHEM (minor advanced) ²²	<u>4</u>
Total	18

SENIOR YEAR

SPRING	HOURS
HIST 2620, United States History Since 1865 ¹²	3
BIOL (advanced) ²¹	3
Elective (advanced) ¹⁶	3
Elective (advanced) ¹⁶	3
Understanding of Ideas and Values ⁸	3
Elective (advanced) ¹⁶	<u>2</u>
Total	17

*Actual degree plans may vary depending on availability of courses in a given semester.
Some courses may require prerequisites not listed in above plan.
See Arts and Sciences notes in supplement booklet for footnotes.*

Summary of Degree Requirements:

Biology (19 advanced):	34
Chemistry Minor (6 advanced):	20
Physics:	8
*Core:	
English	12
History	6
Political Science	6
Wellness	3
Economics	3
Mathematics	9
Understanding of Ideas and Values	6
Visual and Performing Arts	3
Foreign Language:	6
Electives:	7-17
Computer Science Proficiency:	0-3
Oral Communication Skills Proficiency:	0-3

**** The University Core Curriculum was being revised at the time this catalog went to press. Consult a degree program adviser or the university's Web site (www.unt.edu/catsched/).***

Note:

42 hours must be advanced;

24 advanced hours must be taken at UNT.

24 of the last 30 hours must be completed at UNT.

Minimum of 67 hours in the sciences, of which 21 must be advanced.

Supplemental Information for BA with a Major in Biology

1. Major of 34 hours in the biological sciences, of which 19 must be advanced.
2. A minor in chemistry with a minimum of 20 hours, including CHEM 1410/1430 or 1413/1430, 1420/1440 or 1423/1440, 2370/3210, 2380/3220 or equivalent, plus 4 advanced hours chosen from CHEM 3450, 3530 or BIOC 3620. Premedical and pre-dental students are advised to substitute both BIOC 4540 and 4550 for BIOC 3620.
3. Minimum of 71 hours in the division of sciences, of which 25 must be advanced.
4. Required courses:
 - a. Biology: BIOL 1710/1730 or 1711/1730 and 1720/1740 or 1722/1740; 2040, 2140, plus 19 hours of advanced biology, of which at least 16 must be with laboratory (BIOL 3350/3360 or 3450 is recommended).
 - b. Physics: PHYS 1410/1430, 1420/1440.
 - c. Mathematics: MATH 1710 (1650 prerequisite) or equivalent.
5. A minimum 2.5 grade point average must be maintained on all advanced courses in the sciences.

By selecting upper-division elective courses from a subdiscipline, it is possible for the BA student to establish, unofficially, an area of study in ecology, microbiology, animal physiology/cell and molecular biology/genetics, or the plant sciences. Please consult with the undergraduate advising office, Room 205 of the Biology Building, for further information.