

Bachelor of Arts

Major in Biology Degree Requirements

Total of 129 semester hours required, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Arts degree as specified in the College of Arts and Sciences section of this catalog.

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.*

BA with a Major in Biology

FRESHMAN YEAR

FALL	HOURS
DóL 1710, 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>2-3</u>
Total	16-17

FRESHMAN YEAR

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

SOPHOMORE YEAR

FALL	HOURS
BIOL 2040, Biology of Microorganisms	4
CHEM 2370, Organic Chemistry	3
CHEM 3210, Organic Chemistry Laboratory ²⁰	1
ENGL 1320, College Writing II ⁶	3
MATH 1710, Calculus I	4
Oral Communication ²	<u>3</u>
Total	18

SOPHOMORE YEAR

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

JUNIOR YEAR

FALL	HOURS
ENGL 2220, World Literature II	3
PHYS 1410, General Physics I	3
PHYS 1430, General Physics I Laboratory	1
BIOL (advanced) ²¹	4
Elective (advanced) ¹⁶	3
Understanding of Ideas and Values ⁸	<u>3</u>
Total	17

JUNIOR YEAR

SPRING	HOURS
ECON 1110, Principles of Macroeconomics	3
PHYS 1420, General Physics II	3
PHYS 1440, General Physics II Laboratory	1
BIOL (advanced) ²¹	4
CHEM (minor advanced) ²²	4
Elective (advanced) ¹⁶	<u>2</u>
Total	17

SENIOR YEAR

FALL	HOURS
HIST 2610, United States History to 1865 ¹²	3
LANG 2040, Foreign Language (intermediate) ³	3
BIOL (advanced) ²¹	4
Elective (advanced) ¹⁶	3
Elective (advanced) ¹⁶	3
Visual and Performing Arts ⁷	<u>3</u>
Total	19

SENIOR YEAR

SPRING	HOURS
HIST 2620, United States History Since 1865 ¹²	3
LANG 2050, Foreign Language (intermediate) ³	3
BIOL (advanced) ²¹	3
Elective (advanced) ¹⁶	3
Elective (advanced) ¹⁶	3
Understanding of Ideas and Values ⁸	<u>3</u>
Total	18

*Note: Some courses may require prerequisites not listed in above plan.
See Arts and Sciences footnotes (<http://www-lan.unt.edu/PAIS/catalogs/ufcasfoo.htm>).*

Summary of Degree Requirements:

Biology (19 advanced):	34
Chemistry Minor (12 advanced):	20
Physics:	8
Core:	
English	12
History	6
Political Science	6
Wellness	2-3
Economics	3
Mathematics	9
Understanding of Ideas and Values	6
Visual and Performing Arts	3
Foreign Language:	6
Electives:	5-11
Computer Science Proficiency:	0-3
Oral Communication Skills Proficiency:	0-3

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

- Major of 34 hours in the biological sciences, of which 19 must be advanced.
- A minor in chemistry of 20 hours, of which 6 must be advanced.
- Minimum of 67 hours in the sciences, of which 21 must be advanced.
- Required courses:
 - Biology: BIOL 1710/1730 and 1720/1740; 2040, 2140, plus 19 hours of advanced biology, of which at least 16 must be with laboratory (BIOL 3350/3360 or 3450 is recommended).
 - Chemistry: at least 16 hours of chemistry including CHEM 1410 or 1413/1430, 1420 or 1423/1440, 2370/3210, 2380/3220.
 - Physics: PHYS 1410/1430, 1420/1440.
 - Mathematics: MATH 1650, 1710 or equivalent.
- A minimum 2.5 grade point average must be maintained on all advanced courses in the sciences.

A minor in chemistry with a minimum of 20 hours, of which 6 must be advanced. The minor in chemistry may be completed by taking one course from CHEM 3450, 3530 or BIOC 3620. (Premedical and pre-dental students are advised to substitute BIOC 4540-4550 for BIOC 3620.)

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 234 of the Biological Sciences Building for further information.

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