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

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>HOURS</th>
<th>SPRING</th>
<th>HOURS</th>
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<tbody>
<tr>
<td>BIOL 1710, Principles of Biology I, or BIOL 1711, Honors Principles of Biology I</td>
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<td>BIOL 1720, Principles of Biology II, or BIOL 1722, Honors Principles of Biology II</td>
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<td>BIOL 1730, Principles of Biology I Laboratory</td>
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<td>CHEM 1410, General Chemistry, or CHEM 1413, Honors General Chemistry</td>
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<td>CHEM 1430, General Chemistry Laboratory 1</td>
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<td>ENGL 1310, College Writing</td>
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<tr>
<td>PSCI 1040, American Government</td>
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<td>PSCI 1050, American Government II</td>
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<tr>
<td>Wellness¹³</td>
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<td>MATH 1650, Pre-calculus⁴</td>
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#### SOPHOMORE YEAR

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<td>BIOL 2040, Biology of Microorganisms</td>
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<td>BIOL 2140, Principles of Ecology</td>
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<td>CHEM 2370, Organic Chemistry</td>
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<td>MATH 1710, Calculus I</td>
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<td>CSCI¹</td>
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<td>Oral Communication¹</td>
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#### JUNIOR YEAR

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<td>ECON 1110, Principles of Macroeconomics</td>
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#### SENIOR YEAR

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<td>HIST 2620, United States History Since 1865³²</td>
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<td>Elective (advanced)¹⁶</td>
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<td>Elective (advanced)¹⁶</td>
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<tr>
<td>Elective (advanced)¹⁶</td>
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<td>Elective (advanced)¹⁶</td>
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<tr>
<td>Understanding of Ideas and Values⁸</td>
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<td>Understanding of Ideas and Values⁸</td>
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*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).
   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.