

**Bachelor of Science in Biology (BS BIOL)
2024 - 2025 Advising Handout**

Important Information About Your Degree

- **College of Science Admission Requirement:** Students must demonstrate proficiency in College Algebra by placing into Math Level 2 or higher through the UNT Math Placement Exam (Not the same as TSI) OR completing College Algebra or higher with a grade of C or higher.
- **UNT Double-Dip Course Policy (Best Selection):** Courses shown in *italics* satisfy multiple degree program requirements. Students who do not take the Best Selection courses, will have to take additional courses to meet program requirements. Whether or not the course is taken to fulfill a specific university core category, all courses are required by the program to complete the degree. Electives may be required due to double-dipping.
- Hour and GPA Requirements for graduation/degree completion:
 - BS in Biology requires at least 120 hours, 36 Advanced hours, 2.00 UNT GPA, 2.00 overall GPA and 2.5 Foundational GPA
- Courses marked with an asterisk (*) require a grade of “C” or Higher
- Courses in **bold** require prerequisites. Prerequisites are listed in the university catalog with the course description.
- An official degree audit is required for graduation; Students **must** meet with an academic advisor to request a degree audit. Students can review degree requirements by running their audit at <http://mydegreeaudit.unt.edu/>.
- For major-specific career information, contact the Department of Biological Sciences in LIFE A128 or at biology@unt.edu.
- For information about allied health graduate programs, contact the Office of Health Professions in Hickory Hall 256 or at healthcareers@unt.edu.
- For teaching certification courses and requirements, contact nt@unt.edu.
- For assistance with TSI status or mandatory courses, contact TSI@unt.edu.
- If interested in applying to the Forensic Science Program, visit <https://forensic.unt.edu/> for admission information and application. For additional program information visit <https://cos.unt.edu/advising> or contact the COS Advising Center at cosadvising@unt.edu.

Advising Notation Key

X = Requirement Completed
Credit is posted within the degree audit.

IP = In Progress/Pending Credit
Advisor has seen proof from an unofficial transcript or an official score

? = Needs further evaluation
Student may need to provide additional information. (ex. a course syllabus)

Foundation Requirements:		
All Foundation courses need at least a C or higher and with a 2.50 or higher GPA before taking any advanced biology courses		
BIOL 1710* – Principles of Biology I		3
BIOL 1720* – Principles of Biology II		3
BIOL 1760* – Biology for Science Majors Lab		2
One of the following courses:		
BIOL 2041* & 2042* – Microbiology & Lab		4
BIOL 2140* – Ecology		3
BIOL 2241* – Higher Plants		3
BIOL 2251* – Biodiversity and Conservation of Animals		3
CHEM 1410* & 1430* – General Chemistry I & Lab		4
CHEM 1420* & 1440* – General Chemistry II & Lab		4
CHEM 2370* & 3210* – Organic Chemistry I & Lab		4
MATH 1650* – Pre-Calculus		5
Major Requirements:		
Must complete all Foundation and Major courses with a C or higher		
Second 2000-Level courses (different from Foundation course):		
BIOL 2041* & 2042* – Microbiology & Lab		4
BIOL 2140* – Ecology		3
BIOL 2241* – Higher Plants		3
BIOL 2251* – Biodiversity and Conservation of Animals		3
BIOL 3451* & 3452* – Genetics & Lab		4
BIOL 3510* & 3520* – Cell Biology & Lab		4
One of the following		
BIOL 3800* & 4510* – Animal Physiology & Lab		4
BIOL 4501* & 4502* – Bacterial Diversity & Physiology & Lab		4
BIOL 4503* & 4504* – Plant Physiology & Lab		4
BIOL 4505* & 4510* – Comparative Animal Physiology & Lab		4
Sixteen hours of advanced biology courses. Must include at least two lectures with associated labs.		
BIOL 3000 - 4000 Lecture* & Lab* -		
BIOL 3000 - 4000 Lecture* & Lab* -		
BIOL 3000 - 4000* -		
BIOL 3000 - 4000* -		
CHEM 2380* & 3220* – Organic Chemistry II & Lab		4
One of the following:		
CHEM 3451* & 3452* – Quantitative Analysis & Lab		4
CHEM 3530* – Physical Chemistry for Life Science		4
BIOC 3621* & 3622* – Principles of Biochemistry & Lab		4
BIOC 4540* and BIOC 4550* – Biochemistry I & II		6
Other Required Courses for Degree		
MATH 1710 – Calculus I		4
PHYS 1410 & 1430 – General Physics I & Lab		4
PHYS 1420 & 1440 – General Physics II & Lab		4

University Core Requirements		
42 hours – Students may elect to take any course approved for the University Core Curriculum to fulfill these requirements; however, there are courses recommended in the core categories for students pursuing a Biology major		
	Composition I*:	3
	Composition II*:	3
	<i>Math:</i>	3
	<i>Life & Physical Science:</i>	3
	<i>Life & Physical Science:</i>	3
	Creative Arts:	3
	Language, Philosophy & Culture:	3
	US History to 1865:	3
	US History from 1865:	3
	Federal Government:	3
	Texas Government:	3
	Social & Behavioral Sciences:	3
	<i>Component Area Option I:</i>	3
	<i>Component Area Option II:</i>	3
Minor Requirements		
All Biology majors are awarded a Chemistry minor after completing their required chemistry courses within their degree requirements. Students can choose to add additional minors.		
Additional University Requirements		
A minimum of 2 hours of advanced electives are needed to meet university requirement of 36 advanced hours		

*This information is for **ADVISING ONLY** and is not official. Requirements can and do change without notification.