

Bachelor of Science in Ecology (BS ECES)
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 Ecology requires at least 120 hours, 36 advanced hours, 2.00 UNT GPA, 2.00 overall GPA and 2.5 Foundational GPA
- **"C" or Higher:** 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 that their audit be made official. 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 tnt@unt.edu.
- For assistance with TSI status or mandatory courses, contact TSI@unt.edu.
- 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* – <i>Principles of Biology I</i>	3
BIOL 1720* – Principles of Biology II	3
BIOL 1760* – Biology for Science Majors Lab	2
One of the following courses:	
BIOL 2140* & 2141* – Ecology & Lab	4
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
One of the following courses:	
MATH 1680* - <i>Elementary, Probability & Statistics</i>	3
MATH 1650* – <i>Pre-Calculus</i>	5
Major Requirements:	
Must complete all Foundation and Major courses with a C or higher	
Second 2000-Level courses (different from Foundation course):	
BIOL 2140* & 2141* – Ecology & Lab	4
BIOL 2251* – Biodiversity and Conservation of Animals	3
BIOL 3451* & 3452* – Genetics & Lab	4
BIOL 4051* & 4052* – Community Ecology & Lab	4
BIOL 4260* - Principles of Evolution	4
One of the following	
BIOL 4503* & 4504* – Plant Physiology & Lab	4
BIOL 4505* & 4510* – Comparative Animal Physiology & Lab	4
Twelve hours of advanced biology courses. Must include at least two lectures with associated labs.	
BIOL 3000 - 4000 Lecture* & Lab* -	
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BIOL 3000 - 4000* -	
BIOL 3000 - 4000* -	

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 Ecology major

Composition I*:	3
Composition II*:	3
Math:	3
Life & Physical Science:	3
Life & Physical Science:	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
Component Area Option I:	3
Component Area Option II:	3
Other Required Courses for Degree	
One of the following courses:	
MATH 1680 - <i>Elementary, Probability & Statistics</i>	3
MATH 1710 – Calculus I	4
CHEM 2380* & 3220* – Organic Chemistry II & Lab	4
PHYS 1410 & 1430 – General Physics I & Lab	4
PHYS 1420 & 1440 – General Physics II & Lab	4
GEOG 3500 – Intro. To Geographic Info. Systems	3
ECON 4440 – Economics of Natural Resources & Environment	3
PHIL 2500 – <i>Environment and Society</i>	3
Additional University Requirements	

A minimum of 1 hour of advanced electives are needed to meet university requirement of 36 advanced hours

*This information is for **ADVISING ONLY** and is not official. Requirements may change.
 Student is responsible for the accuracy of their individual schedule and completion of their degree requirements.
 Check with an academic advisor to obtain a recommended plan.*

Helpful Information:

Lecture/Labs: You will need to enroll in lectures and labs separately. Recitations are required sessions reserved for additional assistance. You will automatically enroll in recitation when you enroll in a course that requires it.

Advanced: Indicates any course numbered 3000 – 4000 level.

Advanced Elective: This is a course numbered 3000 or higher that is not specified in the degree program.

TSI Incomplete: This refers to students who did not receive the minimum score requirement. It **DOES NOT** mean that you have not taken the TSI Exam yet.

TSI Complete: This refers to students who received the minimum score requirement. It **DOES NOT** refer to all students who have taken the TSI Exam.

TSI Mandatory Courses: If you are TSI Incomplete, you will need to enroll in your TSI courses **BEFORE** enrolling in the rest of your courses.

The **Texas Success Initiative** (TSI) is **NOT** the same as the **Math Placement Exam**. You can only take the Math Placement Exam if you are TSI complete.