



College of Science

B.S. Ecology for Environmental Science

2025-2026

This four-year plan provides a model for on-time completion of this UNT program. Texas Common Course Numbering System (TCCNS) show how course transfers apply to UNT degree requirements. The four-year plan also shows the first point when no TCCNS options are available for this program. See the current [Undergraduate Catalog](#) for course prerequisites. Course availability at UNT is subject to change, and the plan shown below may change based on updates to UNT's course offerings.

First Year Fall		First Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
BIOL 1710/1760	BIOL 1306/1106 or 1406	UNT Core: Social & Behavioral Sciences	See list of approved courses
CHEM 1410/1430	CHEM 1311/1111 or 1411	BIOL 1720	BIOL 1307/1107 or 1407
ENGL 1310	ENGL 1301	CHEM 1420/1440	CHEM 1312/1112 or 1412
MATH 1650 or 1680	MATH 2312 or 2412 or 1342	ENGL 1320 or TECM 2700	ENGL 1302 or 2311
		MATH 1680 or 1710 or 1810 ¹	MATH 1342 or 2313 or 2413

Second Year Fall		Second Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
UNT Core: American History	See list of approved courses	UNT Core: American History	See list of approved courses
UNT Core: Creative Arts	See list of approved courses	UNT Core: Language, Philosophy & Culture	See list of approved courses
CHEM 2370/3210	CHEM 2323/2123 or 2423	CHEM 2380/3220	CHEM 2325/2125 or 2425
PHYS 1410/1430 or 1510/1530	PHYS 1301/1101 or 2325/2125 or 2425	PHYS 1420/1440 or 1520/1540	PHYS 1302/1102 or 2326/2126 or 2426
PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306

Third Year Fall		Third Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
BIOL 2140/2141	N/A	BIOL 4051/4052	N/A
BIOL 2251	N/A	BIOL 4503/4504 or 4505/4510	N/A
GEOG 3500	N/A	Elective	Consult UNT advisor
PHIL 2500	N/A	Elective	Consult UNT advisor

Fourth Year Fall		Fourth Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
BIOL 3451/3452	N/A	BIOL 4260	N/A
ECON 4440	N/A	BIOL Elective with Lab (Advanced)	N/A
BIOL Elective with Lab (Advanced)	N/A	BIOL Elective (Advanced)	N/A
BIOL Elective (Advanced)	N/A	Elective	Consult UNT advisor
Elective	Consult UNT advisor		

¹ If **MATH** 1680 was used to complete the Foundation course requirement (**MATH** 1650 or 1680), it also satisfies the major requirements (**MATH** 1680 or 1710 or 1810).

The number of electives required may vary depending on which courses are taken. Consult your UNT advisor to make sure that enough hours are taken to meet the total hours requirement.



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Students may not declare a major within the College of Science until they have completed **MATH 1100** (**MATH 1314** or **1414**) or **MATH 1180** (**MATH 1324**) with a 'C' or higher or have demonstrated proficiency through a math placement exam. Applicants who do not meet the math proficiency requirement will be provisionally admitted as Pre-College of Science (PCOS). PCOS students may visit the College of Science Advising Center for assistance.

Courses Recommended for Transfer

The UNT Core requirements are shown with Texas Common Course Numbering System values only when UNT offers equivalent courses. There may be other courses in transfer that apply toward the specific degree requirement, but those listed are known to apply.

UNT Core: Communication

ENGL 1301; and **ENGL 1302** or **2311**

A grade of 'C' or higher is required on courses applied toward this requirement.

UNT Core: Mathematics

This requirement will be met by fulfilling the B.S. Ecology for Environmental Science major requirements.

UNT Core: Life and Physical Sciences

This requirement will be met by fulfilling the B.S. Ecology for Environmental Science major requirements.

UNT Core: American History

Two courses chosen from: **HIST 1301**, **1302**, **2301**

UNT Core: Government/Political Science

GOVT 2305 and **2306**

UNT Core: Creative Arts

One course chosen from: **ARTS 1301** or **1304**; **DRAM 1310**; **MUSI 1306** or **1307**; **SPCH 2341**

UNT Core: Language, Philosophy and Culture

One course chosen from: **ARTS 1303**; **ENGL 2321**, **2326**, **2331**, **2341**, or **2351**; **HIST 2321** or **2322**; **PHIL 1301**, **1304**, **2303**, or **2306**

UNT Core: Social and Behavioral Sciences

One course chosen from: **ANTH 2346** or **2351**; **BUSI 1307**; **COMM 1307**; **CRIJ 1301**; **ECON 2301** or **2302**; **GEOG 1303**; **PSYC 2301**; **SOCI 1301**; **SOCW 2361**; **SPCH 1318**; **TECA 1354**

***ECON 2302** is recommended.*

UNT Core: Core Option Courses

This requirement will be met by fulfilling the B.S. Ecology for Environmental Science major requirements.

Ecology for Environmental Science: Major Requirements

TCCNS options:

- **BIOL 1306/1106** or **1406** (also fulfills a portion of the Life & Physical Sciences core requirement)
- **BIOL 1307/1107** or **1407** (also fulfills a portion of the Life & Physical Sciences core requirement)
- **CHEM 1311/1111** or **1411** (also fulfills a portion of the Core Option Courses core requirement)
- **CHEM 1312/1112** or **1412** (also fulfills a portion of the Core Option Courses core requirement)
- **CHEM 2323/2123** or **2423** (approved substitution)
- **MATH 1342** or **2312** or **2412** (also fulfills the Mathematics core requirement)

Students must have a grade of 'C' or higher and a minimum of 2.5 grade point average in all Foundation courses before enrolling in advanced courses required for the major.

*Students are required to take **BIOL 1760** at UNT unless, prior to transfer, they have completed both **BIOL 1106** and **1107** OR both **BIOL 1406** and **1407**.*

Courses listed above are TCCNS options and do not include all courses required for the B.S. Ecology for Environmental Science major.

Ecology for Environmental Science: Additional Requirements

TCCNS options:

- **CHEM 2325/2125** or **2425** (approved substitution)
- **MATH 2313** or **2413** (if **MATH 1342** was used to complete the Foundation requirement, it also satisfies the major requirement)
- **PHYS 1301/1101** or **2325/2125** or **2425** (approved substitution)
- **PHYS 1302/1102** or **2326/2126** or **2426** (approved substitution)

Only two attempts will be allowed for each biology course in the degree. Grade of 'C' or higher and minimum 2.5 grade point average in Foundation courses, 'C' or higher in all upper-division courses counting towards major requirements, and an overall 2.0 grade point average are required for graduation.

All students seeking to enter the Department of Biological Sciences, with the exception of beginning freshmen, must meet the minimum grade point averages given above.

Students in the department whose Foundation course or overall grade point average drops below the minimum for two consecutive semesters will be removed from the program.

Courses listed above are TCCNS options and do not include all courses required for the B.S. Ecology for Environmental Science major.



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Special Notes

Hours Required and General/College Requirements: A minimum of 120 semester hours, of which 36 must be advanced, and fulfillment of degree requirements for the Bachelor of Science degree as specified in the General University Requirements section of the UNT catalog and the College of Science requirements.

UNT Core Curriculum/Transfer of Core Curriculum: UNT complies with the mandate of the Texas Legislature regarding [Core requirements](#) for state-assisted institutions. Students who successfully complete the common core curriculum (in whole or in part) at a Texas state-assisted institution of higher education are eligible to transfer as “core complete” for those categories in the UNT University Core Curriculum.

Individual academic programs may require courses contained in parts of the University Core Curriculum. Students who wish to take courses that will fulfill both core and major/program requirements simultaneously should check with academic advisors for assistance in selecting core courses.

Choice of Catalog: Any student transferring directly from a Texas public community college to UNT shall have the same choice of catalog designating degree requirements as the student would have had if the dates of attendance at the university had been the same as the dates of attendance at the community college.

The College of Science required curriculum and policies are located in the [undergraduate catalog](#) under the corresponding catalog year.

For additional program and contact information, visit the College of Science Student Advising website at <https://cos.unt.edu/advising>.