



College of Science

B.S. Biology, Secondary Education Certification in Life Science (Grades 7-12)

2023-2024 Texas Common Course Numbering System Transfer Guide

This four-year plan provides a model for on-time completion of this UNT program using as many TCCNS courses as possible. 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.

UNT Courses noted (#) do not have TCCNS equivalents, but have approved transferable substitutions.

FIRST YEAR FALL		FIRST YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
BIOL 1710/1760#	BIOL 1406 or 1306/1106**	BIOL 1720	BIOL 1407 or 1307/1107**
CHEM 1410/1430	CHEM 1411 or 1311/1111	CHEM 1420/1440	CHEM 1412 or 1312/1112
ENGL 1310	ENGL 1301	TECM 2700	ENGL 2311
MATH 1650	MATH 2312 or 2412	MATH 1710	MATH 2313 or 2413
TNTX 1100*	N/A	TNTX 1200*	N/A
* Students must be admitted to Teach North Texas Program prior to enrolling in certain Education courses.			

SECOND YEAR FALL		SECOND YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
CHEM 2370/3210#	CHEM 2423 or 2323/2123	CHEM 2380/3220#	CHEM 2425 or 2325/2125
UNT Core: American History	See list of approved courses	UNT Core: American History	See list of approved courses
BIOL 2041/2042	BIOL 2421 or 2321/2121	UNT Core: Social & Behavioral Sciences	See list of approved courses
EDCI 4060	N/A	Biology Course (2000-level)	N/A
PHYS 1510#/1530#	PHYS 2425 or 2325/2125	PHYS 1520#/1540#	PHYS 2426 or 2326/2126

THIRD YEAR FALL		THIRD YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
EDCI 3500*	N/A	EDCI 4000*	N/A
BIOL 3451/3452	N/A	BIOL Elective (Advanced)	N/A
Physiology w/Lab (Advanced)	N/A	BIOL 3510/3520	N/A
UNT Core: Language, Philosophy, & Culture	See list of approved courses	BIOL Elective (Advanced)	N/A

FOURTH YEAR FALL		FOURTH YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
BIOL 3160, 4070, 4100, 4380, 4440, or 4650	N/A	EDCI 4608* (Student Teaching I)	N/A
EDCI 4500*	N/A	EDCI 4618* (Student Teaching II)	N/A
BIOC 3621/3622	N/A	EDCI 4628* (Student Teaching Seminar)	N/A
BIOL 4700	N/A		
UNT Core: Creative Arts	See list of approved courses		



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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 better, 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 **2311**

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

ENGL 2311 is a required course for the B.S. in Biology (see next page).

UNT Core: Mathematics

This requirement will be met by fulfilling the B.S. Biology program requirements (see next column).

UNT Core: Life & Physical Sciences

This requirement will be met by fulfilling the B.S. Biology program requirements (see next column).

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, & Culture

One course chosen from: **ARTS 1303**, **ENGL 2321**, **2332**, **2326**, **2331**, **2333**, **2341**, or **2351**; **HIST 2321** or **2322**; **PHIL 1301**, **1304**, **2303**, or **2306**

UNT Core: Social & Behavioral Sciences

One course chosen from: **ANTH 2346** or **2351**; **COMM 1307**; **CRIJ 1301**; **ECON 2301** or **2302**; **GEOG 1303**; **PSYC 2301** or **2330**; **SOCI 1301**; **SOCW 2361**; **SPCH 1318**; **TECA 1354**

UNT Core: Core Option Courses

This requirement will be met by fulfilling the B.S. Biology program requirements (see next column).

B.S. Biology: Foundation Requirements

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

1000 Level Biology Courses:

- **BIOL 1406** or **1306/1106***
- **BIOL 1407** or **1307/1107***

** You will be required to take BIOL 1760 at UNT unless, prior to transfer, you have completed both BIOL 1106 and 1107 OR BIOL 1406 and 1407.*

2000 Level Biology Course:

- **BIOL 2402** or **2302/2102** (**BIOL 2401** or **2301/2101** is a pre-requisite)
- **BIOL 2421** or **2321/2121**

Additional 2000-level biology course options available at UNT.

Chemistry Courses:

- **CHEM 1411** or **1311/1111**
- **CHEM 1412** or **1312/1112**
- **CHEM 2423** or **2323/2123** (approved substitution)

Mathematics Course:

- **MATH 2312** or **2412** (also fulfills the Mathematics core requirement)

Laboratory science courses listed above also fulfill the Life & Physical Sciences and the Core Option Courses core requirements.

Courses listed above are TCCNS options and do not include all courses required for the UNT B.S. Biology major.

B.S. Biology: Major Requirements

Students must have a grade of C or better in all courses in this requirement.

Additional 2000 Level Biology Course:

- **BIOL 2402** or **2302/2102** (**BIOL 2401** or **2301/2101** is a pre-requisite)
- **BIOL 2421** or **2321/2121**

Additional 2000-level biology course options available at UNT.

Advanced Biology Courses:

No TCCNS options available.

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B.S. Biology: Minor in Chemistry (Required)

Completion of the Chemistry in the Foundation, plus:

- CHEM 2425 or 2325/2125 (approved substitution) ("C" or better required)

Courses listed above are TCCNS options and do not include all courses required for the UNT B.S. Biology major.

B.S. Biology: Additional Course Requirements

- ENGL 2311 (also fulfills a portion of Communication core requirement) ("C" or better required)
- PHYS 2425 or 2325/2125 (approved substitution)
- PHYS 2426 or 2326/2126 (approved substitution)
- MATH 2313 or 2413 (also fulfills a portion of Core Option Courses core requirements)
- A minimum 2.5 grade point average and a C or better in Foundation courses, a C or better in all Biology and Chemistry courses counting toward major requirements, and a minimum 2.0 UNT and overall (UNT and transfer) grade point average is required for graduation.
- Students in the department whose Foundation or overall grade point average drop below the minimum GPA for two consecutive semesters will be removed from the program.
- Only two attempts will be allowed for each biology and biochemistry course in this degree.

Teach North Texas Program: Minor (Required)

No TCCNS options available.

Students in this degree plan must go through the [Teach North Texas](#) Program. This program requires 22 hours for a minor in Mathematics and Science Secondary Teaching and meet all GPA requirements to apply for state certification. Students should contact the Teach North Texas program for more information on enrolling in the certification courses.

A 2.75 GPA is required on all courses counting toward the Mathematics and Science Secondary Teaching minor; see current UNT undergraduate catalog for all minor requirements.

Teacher Certification Information

To be certified to teach in the State of Texas, the student must successfully pass the following exams:

Exam #1 TExES: Pedagogy & Professional Responsibilities (EC-12)

Exam #2 TExES: Life Science (7-12)

Additional requirements for Teacher Certification in Biology include a 2.5 overall GPA (including all transferred courses), a 2.5 UNT GPA and a 2.5 major GPA.

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 Advising Center website at cos.unt.edu/advising.