



College of Science

B.A. Biochemistry

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 or 2041/2042	BIOL 1407 or 1307/1107 or 2421 or 2321/2121
CHEM 1410/1430	CHEM 1411 or 1311/1111	CHEM 1420/1440	CHEM 1412 or 1312/1112
MATH 1650	MATH 2312 or 2412	ENGL 1310	ENGL 1301
		MATH 1710	MATH 2313 or 2413

SECOND YEAR FALL		SECOND YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
CHEM 2370#/3210#	CHEM 2423 or 2323/2123	COS Core: Breadth Requirement or Elective	Consult UNT advisor
PSCI 2305	GOVT 2305	CHEM 2380#/3220#	CHEM 2425 or 2325/2125
PHYS 1510#/1530#	PHYS 2425 or 2325/2125	PSCI 2306	GOVT 2306
TECM 2700	ENGL 2311	UNT Core: Language, Philosophy & Culture	See list of approved courses
		PHYS 1520#/1540#	PHYS 2426 or 2326/2126

THIRD YEAR FALL		THIRD YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
BIOC 3621/3622 or 4540/4560	N/A	BIOC 4550 (If you took BIOC 4540/4560) or Elective (Advanced)	N/A
BIOL 3510/3520	N/A	BIOC 4570/4580	N/A
CHEM 3451/3452	N/A	CHEM 3530	N/A
UNT Core: American History	See list of approved courses	UNT Core: American History	See list of approved courses

FOURTH YEAR FALL		FOURTH YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
BIOL Elective w/Lab (Advanced)	N/A	BIOL Elective w/Lab (Advanced)	N/A
Elective (Advanced)	N/A	Elective (Advanced)	N/A
Elective	Consult UNT advisor	UNT Core: Creative Arts	See list of approved courses
UNT Core: Social & Behavioral Sciences	See list of approved courses	COS Core: Breadth Requirement or LANG 2050	Consult UNT advisor
COS Core: Breadth Requirement or LANG 2040	Consult UNT advisor	COS Core: Breadth Requirement or Elective	Consult UNT advisor



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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 ENGL 1302 or 2311

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

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

UNT Core: Mathematics

This requirement will be met by fulfilling the B.A. Biochemistry program requirement (see next column).

UNT Core: Life & Physical Sciences

This requirement will be met by fulfilling the B.A. Biochemistry 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, 2326, 2331, 2332, 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.A. Biochemistry program requirements (see next column).

College of Science Core: Breadth Requirement

Students pursuing the Bachelor of Arts must complete four classes (minimum 3 hours each) from classes outside of the College of Science. These classes may not be simultaneously applied to University Core Curriculum requirements.

Students are encouraged to use these 12 hours to add value to their degree by applying them to a certificate, minor or second major that will support their goals, in consultation with the COS Advising Center.

This requirement will be deemed complete for Bachelor of Arts students who attain any foreign language 2311 and 2312. Courses must be taken in the same language.

NOTE: Prerequisites for foreign language 2311 and 2312 courses are 1411 and 1412. Placement exams may be available; see your community college academic advisor for details. Students who graduated from a high school outside the United States at which English was not the primary language should ask the COS Advising Center about eligibility for waiving this requirement.

Biochemistry: 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 major.

- BIOL 1406 or 1306/1106
- BIOL 1407 or 1307/1107 or 2421 or 2321/2121
- CHEM 1411 or 1311/1111
- CHEM 1412 or 1312/1112
- CHEM 2423 or 2323/2123 (approved substitution)
- 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 core requirements.

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

Biochemistry: Major Requirements

- CHEM 2425 or 2325/2125 (approved substitution)

Advanced Biochemistry Courses

No TCCNS options available.

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



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Biochemistry: Minor in Biology (Required)

Minor of 20 hours in Biology is required, which includes completion of the BIOL courses in the Foundation as well as other courses that do not have TCCNS options.

- BIOL 1406 or 1306/1106
- BIOL 1407 or 1307/1107 or 2421 or 2321/2121

BIOL 1406 and 1407 or 2421 also fulfill Life & Physical Sciences core requirement.

A grade of C or better is required on all courses.

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

Biochemistry: Additional Course Requirements

- ENGL 2311 (also fulfills a portion of Communication core requirement) (C or better)
- MATH 2313 or 2413
- PHYS 2425 or 2325/2125 (approved substitution)
- PHYS 2426 or 2326/2126 (approved substitution)
- A minimum 2.5 grade point average and a C or better in Foundation courses, a C or better in all advanced 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.

Teacher Certification Option

The College of Science encourages students to explore teaching at the secondary level as a career option. A higher GPA may be required for the certification option. For more information contact the [Teach North Texas](#) program in the College of Science.

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 Arts 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.