



# College of Science

## *B.S. Biochemistry, with Concentration in Forensic Science*

### 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 2041/2042	BIOL 2421 or 2321/2121
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 1680 or 1780	MATH 1342	MATH 1710	MATH 2313 or 2413
		UNT Core: American History	<a href="#">See list of approved courses</a>

SECOND YEAR FALL		SECOND YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
MATH 1720	MATH 2314 or 2414	UNT Core: Social & Behavioral Science	<a href="#">See list of approved courses</a>
CHEM 2370/3210#	CHEM 2423 or 2323/2123	CHEM 2380/3220#	CHEM 2425 or 2325/2125
PHYS 1510#/1530# or 1710/1730	PHYS 2425 or 2325/2125	PHYS 1520#/1540# or 2220/2240	PHYS 2426 or 2326/2126
UNT Core: Creative Arts	<a href="#">See list of approved courses</a>	PSCI 2305	GOVT 2305
UNT Core: American History	<a href="#">See list of approved courses</a>	UNT Core: Language, Philosophy, & Culture	<a href="#">See list of approved courses</a>

THIRD YEAR FALL		THIRD YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
CHEM 3330	N/A	BIOC 4550	N/A
BIOL 3451/3452	N/A	CHEM 3451/3452	N/A
		BIOL 3331	N/A
BIOC 4540/4560	N/A	CHEM 4631/4632	N/A
		CHEM 4360	N/A

FOURTH YEAR FALL		FOURTH YEAR SPRING	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
BIOL 3510/3520	N/A	BIOL 4590	N/A
CHEM 3510	N/A	CHEM 4351	N/A
BIOL 4240	N/A	CHEM 3520	N/A
BIOC 4570	N/A	BIOL 4900	N/A
PSCI 2306	GOVT 2306		



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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 Biochemistry (see next page).*

#### UNT Core: Mathematics

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

#### UNT Core: Life & Physical Sciences

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

#### 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 2421** or **2321/2121**
- **CHEM 1411** or **1311/1111**
- **CHEM 1412** or **1312/1112**
- **CHEM 2423** or **2323/2123** (approved substitution)
- **MATH 1342** (also fulfills the Mathematics core requirement)

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

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

#### Biochemistry: Major Requirements

Students must have a grade of C or better in all chemistry and biochemistry courses in the major.

- **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.S. Biochemistry major.*

#### 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 2421** or **2321/2121**

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

**BIOL 1406** also partially fulfills the Life & Physical Sciences core requirement.

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



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##### Biochemistry: Additional Course Requirements

- ENGL 2311 (also fulfills a portion of Communication core requirement) (C or better)
- MATH 2313 or 2413 (also fulfills a portion of Core Option Courses core requirement)
- MATH 2314 or 2414
- 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 chemistry courses, and 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.
- A minimum 2.75 GPA in math and science courses 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.

##### Biochemistry: Forensic Science Concentration

Forensic Science courses are required to have a grade of "C" or better. Students are also required to complete the FSAT exam.

##### Advanced Biology and Chemistry Courses:

No TCCNS options available.

##### Special Notes

**Hours Required and General/College Requirements:** A minimum of 125 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](http://cos.unt.edu/advising).