



# College of Science

## B.S. Medical Laboratory Sciences

### 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       | MATH 1342 or 1442      | UNT Core: Social & Behavioral Sciences | <a href="#">See list of approved courses</a> |
|                 |                        | BCIS 2610                              | BCIS 1305 or 1405                            |

| SECOND YEAR FALL           |  | SECOND YEAR SPRING         |  |
|----------------------------|--|----------------------------|--|
| UNT Requirement            | TCCNS Option                                 | UNT Requirement            | TCCNS Option                                 |
| UNT Core: American History | <a href="#">See list of approved courses</a> | UNT Core: American History | <a href="#">See list of approved courses</a> |
| PSCI 2305                  | GOVT 2305                                    | PSCI 2306                  | GOVT 2306                                    |
| UNT Core: Creative Arts    | <a href="#">See list of approved courses</a> | BIOL 3381/3382             | N/A  |
| CHEM 2370/3210#            | CHEM 2423 or 2323/2123                       | BIOC 3621/3622             | N/A  |

| THIRD YEAR FALL                 |                        | THIRD YEAR SPRING                         |  |
|---------------------------------|------------------------|---|--|
| UNT Requirement                 | TCCNS Option           | UNT Requirement                           | TCCNS Option   |
| BIOL 3510/3520                  | N/A                    | BIOL 4201/4202                            | N/A  |
| MGMT 3720 or 3721               | N/A                    | BIOL Elective w/ Lab (Advanced)           | N/A  |
| BIOL Elective w/ Lab (Advanced) | N/A                    | UNT Core: Language, Philosophy, & Culture | <a href="#">See list of approved courses</a>                           |
| BIOL 2301/2311 or 3800/4510     | BIOL 2041 or 2301/2101 | BIOL 2302/2312 or Core Option             | BIOL 2402 or 2302/2102 or <a href="#">See list of approved courses</a> |

#### SENIOR YEAR

Before attendance at an affiliated school of clinical laboratory science approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), student must apply and be accepted by the school. A minimum of 32 hours of professional medical technology courses during approximately 12 months is required to complete the senior year of this program. Successful completion of the first three years does not guarantee admission into a school of clinical laboratory science. Contact the Medical Laboratory Sciences Coordinator in the College of Science.



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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 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.

The Department of Biological Sciences offers a Bachelor of Science in Medical Laboratory Sciences in affiliation with schools of clinical laboratory science (medical technology) that are approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), in cooperation with the Commission on Accreditation of Allied Health Education Programs. (A full list of these schools can be found on the [Medical Laboratory Sciences website](#).)

## 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. Medical Laboratory Sciences (see next column).*

### UNT Core: Mathematics

This requirement will be met by fulfilling the B.S. Medical Laboratory Sciences mathematics program requirement (see next column).

### UNT Core: Life & Physical Sciences

This requirement will be met by fulfilling the B.S. Medical Laboratory Sciences 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 Option Courses

One course for this requirement will be met by fulfilling the B.S. Medical Laboratory Sciences major requirements (see section below). In addition, complete one course from Option A OR Option B.

**Option A:** ANTH 2301, 2346, or 2351; ARTS 1301, 1303 or 1304; ASTR 1403 or 1404; BIOL 1306 or 1406, 1307 or 1407, 1322, 1308 or 1408, 2301 or 2401, 2302 or 2402, 2306 or 2406; CHEM 1311 or 1411, 1312 or 1412; COMM 1307 or 2300; CRIJ 1301; DRAM 1310; ECON 2301 or 2302; ENGL 1301, 1302, 2311, 2321, 2326, 2331, 2332, 2333, 2341, or 2351; GEOG 1303; GEOL 1401 or 1403; HECO 1322; HIST 1301, 1302, 2321, or 2322; MATH 1316, 1324, 1325, 1332, 1342 or 1442, 1350, 2312 or 2412, 2313 or 2413, 2314 or 2414; MUSI 1306 or 1307; PHIL 1301, 1304, 2303, or 2306; PHYS 1301 or 1401, 1302 or 1402, 1403, 1404, 1410, 1415, 2325 or 2425, or 2326 or 2426; PSYC 2301 or 2330; SOCI 1301; SOCW 2361; SPCH 1315, 1318 or 2341; TECA 1354

**Option B:** COMM 2302; SPCH 1311; TECA 1303

### B.S. Medical Laboratory Sciences: 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 (approved substitution)
- BIOL 2421 or 2321/2121
- CHEM 1411 or 1311/1111
- CHEM 1412 or 1312/1112
- CHEM 2423 or 2323/2123 (approved substitution)
- MATH 1342 or 1442

MATH 1342 also fulfills the Mathematics core requirement.

BIOL 1406, CHEM 1411, and CHEM 1412 also fulfill the Life & Physical Sciences and part of the Component Area Option core requirements.

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

### B.S. Medical Laboratory Sciences: Major Requirements

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

#### 2000 Level Biology Courses:

- BIOL 2401 or 2301/2101
- BIOL 2402 or 2302/2102

BIOL 2401 also partially fulfills the Core Option core requirement.

#### Advanced Courses:

No TCCNS options available.



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##### B.S. Medical Laboratory Sciences: Major Requirements

- BCIS 1305 or 1405
- ENGL 2311 (also fulfills part of the Communication core requirement) (C or better)
- 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.
- Students should consider transferring to UNT prior to the end of their sophomore year. For residency requirements student must complete a minimum of 30 credit hours including 24 advanced hours at UNT prior to attending Professional Training.
- **Professional Training:** Students complete a minimum of 88 semester hours at UNT (prior to entering clinical training) and a minimum of 12 months of clinical training (for a minimum of 32 semester hours) at any NAACLS-approved school of medical laboratory science to complete the degree.
- Upon graduation, students are eligible to take national examinations given by the American Society of Clinical Pathologists Board of Certification (ASCPBOC). The ASCPBOC examination is administered by computer several times a year. Upon passing the registry examination, the student is considered a certified medical laboratory scientist. The awarding of the degree is not contingent upon students' passing the national board examinations.
- Must submit appropriate forms to the Medical Laboratory Sciences Coordinator. See the Coordinator in the College of Science for more details.

##### 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 [www.cos.unt.edu/advising](http://www.cos.unt.edu/advising).