



College of Information

B.S. Data 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.

| FIRST YEAR FALL | | FIRST YEAR SPRING | |
|------------------------------|--|--|--|
| UNT Requirement | TCCNS Option | UNT Requirement | TCCNS Option |
| ENGL 1310 | ENGL 1301 | ENGL 1320 or TECM 2700 | ENGL 1302 or ENGL 2311 |
| MATH 1680 | MATH 1342 | UNT Core: Social & Behavioral Sciences | See list of approved courses |
| UNT Core: Core Option Course | See list of approved courses | MATH 1650 | MATH 2312 or 2412 |
| PSCI 2305 | GOVT 2305 | PSCI 2306 | GOVT 2306 |
| Elective | Consult UNT advisor | | |

| SECOND YEAR FALL | | SECOND YEAR SPRING | |
|--|--|------------------------------------|--|
| UNT Requirement | TCCNS Option | UNT Requirement | TCCNS Option |
| CSCE 1030 | COSC 1336 or 1436 | CSCE 1040* | COSC 1337 or 1437 |
| UNT Core: Language, Philosophy & Culture | See list of approved courses | UNT Core: Creative Arts | See list of approved courses |
| UNT Core: American History | See list of approved courses | UNT Core: American History | See list of approved courses |
| UNT Core: Life & Physical Sciences | See list of approved courses | UNT Core: Life & Physical Sciences | See list of approved courses |
| Elective | Consult UNT advisor | Elective | Consult UNT advisor |
| <i>*If taken at UNT, this course requires MATH 1710 as a co-requisite.</i> | | | |

| THIRD YEAR FALL | | THIRD YEAR SPRING | |
|--------------------|--------------|--------------------|---------------------|
| UNT Requirement | TCCNS Option | UNT Requirement | TCCNS Option |
| DTSC 3010 | N/A | DTSC 4050 | N/A |
| DTSC 3020 | N/A | INFO 4670 | N/A |
| Professional Field | N/A | INFO 4709 | N/A |
| Professional Field | N/A | Professional Field | N/A |
| Professional Field | N/A | Elective | Consult UNT advisor |

| FOURTH YEAR FALL | | FOURTH YEAR SPRING | |
|--------------------|---------------------|----------------------|---------------------|
| UNT Requirement | TCCNS Option | UNT Requirement | TCCNS Option |
| DTSC 4501 | N/A | INFO 4730 | N/A |
| INFO 4707 | N/A | Professional Field | N/A |
| Professional Field | N/A | Professional Field | N/A |
| Professional Field | N/A | Elective | Consult UNT advisor |
| Elective | Consult UNT advisor | Elective (0-3 hours) | Consult UNT advisor |



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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.

UNT Core: Mathematics

This requirement will be met by fulfilling the B.S. Data Science program requirements.

UNT Core: Life & Physical Sciences

For students **not** majoring in Science, Mathematics, or Engineering, completing two courses from the list below is recommended (Consult UNT advisor for more options).

- **ANTH** 2301
- **ASTR** 1403
- **ASTR** 1404
- **BIOL** 1308 or 1408
- **BIOL** 2306 or 2406
- **GEOL** 1401
- **GEOL** 1403
- **PHYS** 1403
- **PHYS** 1404
- **PHYS** 1410
- **PHYS** 1415

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, 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

Complete two courses from Core Option A OR one course from Core Option A AND one course from Core 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, 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

MATH 2312 will satisfy a portion of this requirement.

Data Science: Pre-Data Sciences Requirements

Students must complete 15 hours of mathematics and computer science courses before the other Data Science major requirements:

TCCNS options:

- **MATH** 1342 (also fulfills the Mathematics core requirement)
- **MATH** 2312 or 2412 (also fulfills a portion of the Core Option Courses core requirement)
- **COSC** 1336 or 1436
- **COSC** 1337 or 1437

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

Data Science: Major Requirements

No TCCNS options available.

Data Science: Professional Field

Students must complete a professional field of 24 hours from information science or a related field, such as computer science, statistics, business analytics, digital communications analytics, health data analytics, and education analytics

No TCCNS options available.

Data Science: Other Requirements

A grade of "C" or higher is required in all Pre-Data Science, major courses, professional field, and supporting field courses. A 2.0 UNT, 2.0 overall, and a 2.7 professional/supporting field GPA is required for graduation.

Data Science: Grad-Track Option

Data Science, B.S. has a grad-track option leading to the Data Science, M.S. Consult your UNT advisor for more information.



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Special Notes

Hours Required and General/College Requirements: A minimum of 120 semester hours, of which 42 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 Information 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 Information 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 Information Student Advising website: <http://ci.unt.edu/advising>.