



College of Information

B.S. Data Science

2024-2025 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
UNT Core: Core Option Course	See list of approved courses	UNT Core: Social & Behavioral Sciences	See list of approved courses
ENGL 1310	ENGL 1301	ENGL 1320 or TECM 2700	ENGL 1302 or 2311
PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
MATH 1680	MATH 1342	MATH 1650 ¹	MATH 2312 or 2412
MATH 1100 (if needed) or Elective	MATH 1314 or 1414 or Consult UNT advisor	Elective	Consult UNT advisor

Second Year Fall		Second Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
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
UNT Core: Language, Philosophy & Culture	See list of approved courses	UNT Core: Creative Arts	See list of approved courses
CSCE 1030	COSC 1336 or 1436	CSCE 1040	COSC 1337 or 1437
Elective	Consult UNT advisor	Elective	Consult UNT advisor

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 4707	N/A
Professional Field	N/A	Advanced Professional Field	N/A
Advanced 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 4709	N/A	Advanced Professional Field	N/A
Advanced Professional Field	N/A	Advanced Professional Field	N/A
Advanced Professional Field	N/A	Elective	Consult UNT advisor
Elective	Consult UNT advisor	Elective	Consult UNT advisor

¹ If MATH 1650 is taken at UNT, then one elective will only need to be 1 hour to fulfill the 120 total hour requirement.



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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 higher is required on courses applied toward this requirement.

UNT Core: Mathematics

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

UNT Core: Life and 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 2401** or **2301/2101**
- **ASTR 1403**
- **ASTR 1404**
- **BIOL 1408** or **1308/1108**
- **BIOL 2406** or **2306/2106**
- **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**, **2341**, or **2351**; **HIST 2321** or **2322**; **PHIL 1301**, **1304**, **2303**, or **2306**

UNT Core: Social and Behavioral Sciences

One course chosen from: **ANTH 2346**, **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

One course for this requirement will be met by fulfilling the B.S. Data Science major requirements. In addition, complete one course from Option A or Option B.

Option A: **ANTH 2401** or **2301/2101**, **2346**, or **2351**; **ARTS 1301**, **1303** or **1304**; **ASTR 1403** or **1404**; **BIOL 1306** or **1406**, **1307** or **1407**, **1322**, **1408** or **1308/1108**, **2301** or **2401**, **2302** or **2402**, **2406** or **2306/2106**; **BUSI 1307** or **2305**; **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**, **2341**, or **2351**; **GEOG 1303**; **GEOL 1401** or **1403**; **HECO 1322**; **HIST 1301**, **1302**, **2301**, **2321**, or **2322**; **MATH 1324**, **1325**, **1332**, **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**

BUSI 2305 is an option for the major and will fulfill 3 hours of this requirement.

Data Science: Pre-Data Science Requirements

TCCNS options:

- **COSC 1336** or **1436**
- **COSC 1337** or **1437**
- **MATH 1314** or **1414** (if needed)
- **MATH 1342** (also fulfills the Mathematics core requirement)
- **MATH 2312** or **2412** (also fulfills a portion of the Core Option Course core requirement)

Students must complete 15 hours of mathematics and computer science courses, including the courses listed above, before the other Data Science major requirement courses are taken.

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

Data Science: Major Requirements

TCCNS options:

- **BUSI 2305** is an option for the major and also fulfills a portion of the Core Option Courses core requirement

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

Data Science: Additional Requirements

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.

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

Data Science: Grad Track Option

The B.S. Data Science major has a grad track option leading to a M.S. Data Science. For more information, review the UNT undergraduate catalog and consult a UNT advisor.



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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 at <https://ci.unt.edu/advising>.