



College of Information

B.S. Information Science with a concentration in 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: American History	See list of approved courses	UNT Core: American History	See list of approved courses
UNT Core: Core Option Course	See list of approved courses	UNT Core: Core Option Course	See list of approved courses
UNT Core: Creative Arts	See list of approved courses	UNT Core: Language, Philosophy & Culture	See list of approved courses
UNT Core: Mathematics	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

Second Year Fall		Second Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
UNT Core: Life & Physical Sciences	See list of approved courses	UNT Core: Life & Physical Sciences	See list of approved courses
PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
Cross-Functional Course	Consult UNT advisor	Cross-Functional Course	Consult UNT advisor
Cross-Functional Course	Consult UNT advisor	Cross-Functional Course	Consult UNT advisor
Information Science Core	N/A	Information Science Core	N/A

Third Year Fall		Third Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
INFO 4707	N/A	DTSC 4050	N/A
INFO 4709	N/A	DTSC 4501	N/A
Cross-Functional Course	Consult UNT advisor	Cross-Functional Course	Consult UNT advisor
Cross-Functional Course	Consult UNT advisor	Cross-Functional Course	Consult UNT advisor
Information Science Core	N/A	Information Science Core	N/A

Fourth Year Fall		Fourth Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
INFO 4910	N/A	INFO 4970	N/A
Advanced Cross-Functional Course	N/A	Advanced Cross-Functional Course	N/A
Advanced Cross-Functional Course	N/A	Cross-Functional Course	N/A
Cross-Functional Course	N/A	Cross-Functional Course	N/A
Information Science Core	N/A	Cross-Functional Course	N/A



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The Bachelor of Science in Information Science at the University of North Texas is designed to equip graduates with the knowledge needed to build competencies in important and emerging areas, such as, information organization, information architecture, information seeking and use, health informatics, knowledge management, digital content and digital curation, language technology, data science, and information systems.

Students earning this degree are able to customize their program by developing focused areas of studies (concentrations) or by choosing a minor or certificate in another field. The flexibility built into the BSISAT program prepares graduates for the varying career options available in the information profession.

Undergraduate Degree Program Options

B.S., Information Science Concentrations:

- Data Science
- Digital Content & Information Systems
- Human Language Technology
- Information Management & Health Informatics
- Information Science & Knowledge Organization
- Project & Knowledge Management

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

One course chosen from **BUSI** 2305; **MATH** 1324, 1325, 1332, 1342, 2312 or 2412, 2313 or 2413

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

Complete two courses from Core Option A OR one course from Core Option A AND one course from Core 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, 1342, 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

Information Science (Data Science): Major Requirements

No TCCNS options available.

Information Science Core:

Five required core courses totaling 15 credit hours in the following topics:

- Introduction to Information, Information Science & Information Technologies
- Information Organization & Management
- Information Users & Their Needs
- Data Modeling & Database Design
- Professional Preparation & Career Development

Concentrations:

Six required courses totaling 18 credit hours in one of the following concentrations:

- Data Science
- Digital Content & Information Systems
- Human Language Technology
- Information Management & Health Informatics
- Information Science & Knowledge Organization
- Project & Knowledge Management

A capstone experience in the form of a 3 credit hour course as one of the six required courses for each concentration.



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Information Science (Data Science): Additional Requirements

Cross-Functional Courses:

Cross-functional electives comprising 45 credit hours, with at least 9 credit hours at the upper level (courses numbered 3000 and above). Cross-functional elective are determined in consultation with the academic advisor. Students should work closely with the director of the BS-IS program and the college advising office when choosing cross functional electives. The program recommends specific elective courses to enhance students' preparation for professional information work. These electives fulfill total number of hours required for degree and to meet advanced hour requirement.

To enroll for more than 6 hours of courses in the Department of Information Science, students must have the following:

- At least sophomore standing (at least junior standing required to enroll for more than 12 hours in department)
- A cumulative grade point average of at least 2.5

Students must maintain a minimum grade point average (GPA) of 2.5 across all information science major courses taken.

Information Science: Grad Track Option

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

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>.