

College of Information

B.S. Data Science

2019-2020 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.

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
FRESHMAN	ENGL 1310	ENGL 1301	ENGL 1320 or TECM 2700	ENGL 1302 or ENGL 2311
	MATH 1650	MATH 2312 or 2412	UNT Core: Social & Behavioral Sciences	See list of approved courses
	UNT Core: Component Area Option	See list of approved courses	MATH 1680	MATH 1342, 1442, 2342 or 2442
	PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
	Elective	Consult UNT advisor	Elective	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	CSCE 1030	COSC 1336 or 1436	CSCE 1040*	COSC 1337 or 1437
	UNT Core: Language, Philosophy and 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
	Professional Field	None	Professional Field	None
	UNT Core: Life & Physical Sciences	See list of approved courses	UNT Core: Life & Physical Sciences	See list of approved courses
*If taken at UNT, the course requires MATH 1710 as a co-requisite.				

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	UNT Core: Component Area Option	See list of approved courses	Elective	Consult UNT advisor
	Elective	Consult UNT advisor	Elective or INFO 4970 (Internship or Capstone)	Consult UNT advisor
	Professional Field	None	INFO 4250	None
	INFO 3010		INFO 4501	
	INFO 3020		Professional Field	

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	INFO 4670	None	INFO 4730	None
	INFO 4707		INFO 4907	
	Professional Field		Professional Field	
	Professional Field		Professional Field	
	Elective	Consult UNT advisor	Elective (0-3 hours)	Consult UNT advisor

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

One course chosen from: MATH 1316, 1324, 1325 or 1425, 1332, 1342 or 1442 or 2342 or 2442, 1350, 2312 or 2412, 2313 or 2413 or 2513

MATH 1342, 1442, 2342 or 2442 are recommended.

UNT Core: Life & Physical Sciences

For students not majoring in Science, Mathematics, or Engineering, completing two courses from the list below is recommended (see an Academic Advisor for more options).

- ANTH 2401
- ASTR 1403
- ASTR 1404
- BIOL 1408
- BIOL 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; SPCH 2341

UNT Core: Language, Philosophy and Culture

One course chosen from: ARTS 1303; ENGL 2332 or 2333; HIST 2321 or 2322; PHIL 1301, 1304, 2303, 2306, or 2316

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; SOCI 1301; SOCW 2361; SPCH 1318; TECA 1354

UNT Core: Component Area Option

Complete two courses from Component Area Option A OR one course from Component Area Option A AND one course from Component Area Option B.

Option A: ANTH 2346, 2351, or 2401; ARTS 1301, 1303 or 1304; ASTR 1403 or 1404; BIOL 1408 or 1413, or 2406; COMM 1307; CRIJ 1301; DRAM 1310; ECON 2301 or 2302; ENGL 1301, 1302, 2311, 2332, or 2333; HECO 1322; GEOG 1303; GEOL 1401 or 1403; HIST 1301, 1302, 2321, or 2322; MATH 1316, 1324, 1325 or 1425, 1332, 1342 or 1442 or 2342 or 2442, 1350, 2305 or 2405, 2312 or 2412, 2313 or 2413 or 2513, 2314 or 2414; MUSI 1306 or 1307; PHIL 1301, 1304, 2303, 2306, or 2316; PHYS 1403, 1404, 1410, or 1415; PSYC 2301; SOCI 1301; SOCW 2361; SPCH 1315, 1318 or 2341; TECA 1354

Option B: SPCH 1311; TECA 1303

Data Science: Pre-Data Science Requirements

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

TCCNS options:

- MATH 2312 or 2412
- MATH 1342, 1442, 2342 or 2442
- COSC 1336 or 1436
- COSC 1337 or 1437

Courses listed above are TCCNS options and do not include all courses required for the UNT Computer Engineering major.

Data Science: Major Requirements

Students must complete 24 hours of required advanced INFO courses taken at UNT.

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.

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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 2.7 grade point average in professional/supporting field is required for graduation.

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.
- A minimum grade point average of 2.0 is required on all courses counted toward the major.

UNT Core Curriculum/Transfer of Core Curriculum:

UNT complies with the [mandates of the 1997 Texas Legislature](#) regarding 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 see the College of Information Student Advising website: <http://ci.unt.edu/advising>.