

College of Information
B.S. Information Science and Applied Technology,
Concentration in 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
	UNT Core: Creative Arts	See list of approved courses	UNT Core: Social & Behavioral Sciences	See list of approved courses
	UNT Core: Mathematics	See list of approved courses	UNT Core: Life & Physical Sciences	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: Component Area Option	See list of approved courses	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
	UNT Core: Language, Philosophy & Culture	See list of approved courses	UNT Core: Life & Physical Sciences	See list of approved courses
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	INFO 4250	None	INFO 4707	None
	INFO 4501		INFO 4907	
	Info Science Major Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	INFO 4910	None	INFO 4970	None
	Info Science Major Course	Consult UNT advisor	UNT Core: Component Area Option	
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

College of Information

B.S. Information Science and Applied Technology, Concentration in Digital Content and Information Systems

2019-2020 Texas Common Course Numbering System Transfer Guide



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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
	UNT Core: Creative Arts	See list of approved courses	UNT Core: Social & Behavioral Sciences	See list of approved courses
	UNT Core: Mathematics	See list of approved courses	UNT Core: Life & Physical Sciences	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: Component Area Option	See list of approved courses	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
	UNT Core: Language, Philosophy & Culture	See list of approved courses	UNT Core: Life & Physical Sciences	See list of approved courses
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	INFO 4710	None	INFO 4206	None
	INFO 4745		INFO 4730	
	Info Science Major Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	INFO 4910	None	INFO 4970	None
	Info Science Major Course	Consult UNT advisor	UNT Core: Component Area Option	
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

College of Information

B.S. Information Science and Applied Technology, Concentration in Human Language Technology

2019-2020 Texas Common Course Numbering System Transfer Guide



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	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
FRESHMAN	ENGL 1310	ENGL 1301	ENGL 1320 or TECM 2700	ENGL 1302 or ENGL 2311
	UNT Core: Creative Arts	See list of approved courses	UNT Core: Social & Behavioral Sciences	See list of approved courses
	UNT Core: Mathematics	See list of approved courses	UNT Core: Life & Physical Sciences	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: Component Area Option	See list of approved courses	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
	UNT Core: Language, Philosophy & Culture	See list of approved courses	UNT Core: Life & Physical Sciences	See list of approved courses
	Cross-Functional Area Course	Consult UNT advisor	LING 3070	None
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	LING 4050	None	LING 4130	None
	Info Science Major Course	Consult UNT advisor	INFO 4730	
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	LING 4140	None	INFO 4900 or LING 4900	None
	Info Science Major Course	Consult UNT advisor	UNT Core: Component Area Option	
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

College of Information

B.S. Information Science and Applied Technology, Concentration in Information Management and Health Informatics

2019-2020 Texas Common Course Numbering System Transfer Guide



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	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
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	UNT Core: Creative Arts	See list of approved courses	UNT Core: Social & Behavioral Sciences	See list of approved courses
	UNT Core: Mathematics	See list of approved courses	UNT Core: Life & Physical Sciences	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: Component Area Option	See list of approved courses	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
	UNT Core: Language, Philosophy & Culture	See list of approved courses	UNT Core: Life & Physical Sciences	See list of approved courses
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	INFO 4710	None	INFO 4637	None
	INFO 4365		INFO 4670	
	Info Science Major Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	INFO 4910	None	INFO 4970	None
	Info Science Major Course	Consult UNT advisor	UNT Core: Component Area Option	
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

College of Information

B.S. Information Science and Applied Technology, Concentration in Information Science and Knowledge Organization

2019-2020 Texas Common Course Numbering System Transfer Guide



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FRESHMAN	ENGL 1310	ENGL 1301	ENGL 1320 or TECM 2700	ENGL 1302 or ENGL 2311
	UNT Core: Creative Arts	See list of approved courses	UNT Core: Social & Behavioral Sciences	See list of approved courses
	UNT Core: Mathematics	See list of approved courses	UNT Core: Life & Physical Sciences	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: Component Area Option	See list of approved courses	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
	UNT Core: Language, Philosophy & Culture	See list of approved courses	UNT Core: Life & Physical Sciences	See list of approved courses
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	INFO 4710	None	INFO 4206	None
	INFO 4203		INFO 4223	
	Info Science Major Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	INFO 4910	None	INFO 4970	None
	Info Science Major Course	Consult UNT advisor	UNT Core: Component Area Option	
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

College of Information
B.S. Information Science and Applied Technology,
Concentration in Project and Knowledge Management
2019-2020 Texas Common Course Numbering System Transfer Guide



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FRESHMAN	ENGL 1310	ENGL 1301	ENGL 1320 or TECM 2700	ENGL 1302 or ENGL 2311
	UNT Core: Creative Arts	See list of approved courses	UNT Core: Social & Behavioral Sciences	See list of approved courses
	UNT Core: Mathematics	See list of approved courses	UNT Core: Life & Physical Sciences	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: Component Area Option	See list of approved courses	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
	UNT Core: Language, Philosophy & Culture	See list of approved courses	UNT Core: Life & Physical Sciences	See list of approved courses
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	INFO 4710	None	INFO 4306	None
	INFO 4230		INFO 4307	
	Info Science Major Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	INFO 4910	None	INFO 4970	None
	Info Science Major Course	Consult UNT advisor	UNT Core: Component Area Option	
	Cross-Functional Area Course	Consult UNT advisor	Info Science Major Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor
	Cross-Functional Area Course	Consult UNT advisor	Cross-Functional Area Course	Consult UNT advisor

College of Information

B.S. Information Science and Applied Technology

2019-2020 Texas Common Course Numbering System Transfer Guide



The Bachelor of Science in Information Science and Applied Technology 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 and Applied Technology, Concentrations:

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

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

College of Information

B.S. Information Science and Applied Technology

2019-2020 Texas Common Course Numbering System Transfer Guide



Information Science and Applied Technology: Major Course Requirements

- At least 33 hours including 18 hours of required INFO courses in one of the following program concentrations, and at least 15 additional hours selected with the approval of the department.

Concentrations:

- Data Science
 - Digital Content and Information Systems
 - Human Language Technology
 - Information Management and Health Informatics
 - Information Science and Knowledge Organization
 - Project and Knowledge Management
- Cross-Functional Area: 45 hours, of which 9 hours must be advanced, may be completed or transferred from related areas and programs as approved by the department. Students must contact an advisor in the Information Science and Applied Technology program to determine the 45 hours of course work needed to complete the cross-functional area of the degree.

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

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

There are no TCCNS options for Information Science (INFO) courses.

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>.