

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.

UNT Courses noted (#) do not have TCCNS equivalents, but have approved transferable substitutions.

YEAR	FALL SEMESTER		SPRING SEMESTER	
FRESHMAN	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
	MATH 1710	MATH 2313 or 2413 or 2513	MATH 1720	MATH 2314 or 2414
	CHEM 1410/1430	CHEM 1411 or 1311/1111	PHYS 1710/1730	PHYS 2425 or 2325/2125
	CSCE 1035	None	CSCE 1045	None
	ENGL 1310	ENGL 1301	TECM 2700	ENGL 2311
	CHEM 1420 & 1440 or BIOL 1710 & 1760	CHEM 1412 or 1312/1112 or BIOL 1406 or 1106/1306#	UNT Core: Creative Arts	See list of approved courses

YEAR	FALL SEMESTER		SPRING SEMESTER	
SOPHOMORE	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
	PHYS 2220/2240	PHYS 2426 or 2326/2126	MATH 3680	None
	CSCE 2100#	MATH 2305		
	CSCE 2550	None	Elective	Consult UNT advisor
	UNT Core: Language, Philosophy and Culture	See list of approved courses	CSCE 2110	COSC 2336 or 2436
	UNT Core: Social & Behavioral Sciences	See list of approved courses	CSCE 3600	None

YEAR	FALL SEMESTER		SPRING SEMESTER	
JUNIOR	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
	MATH 2700	MATH 2318 or 2418	CSCE 4357	None
	CSCE 3530	None	CSCE 4560	
	CSCE 3550		CSCE 4570	
	Supporting Elective		Supporting Elective	
	UNT Core: American History	See list of approved courses	UNT Core: American History	See list of approved courses

Year	Fall Semester		Spring Semester	
Senior	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
	CSCE 4907	None	CSCE 4927	None
	CSCE 4565		CSCE 4010	
	CSCE 4535		Supporting Elective	
	Supporting Elective			
	PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306

- Admission to the university does not guarantee admission to the College of Engineering. To be admitted to the College of Engineering, students must meet the requirements listed under "Admission Requirements" on page two.
- To complete the B.S. Cybersecurity degree within four years, students should plan to take Calculus I (MATH 2313 or 2413 or 2513) during the first semester of their freshman year, and CSCE 2100 (available at UNT only) during the first semester of their sophomore year. Please refer to the four-year plan on page one for a recommended schedule. Students interested in completing an associate's degree at a community college may consult with a College of Engineering advisor about concurrent enrollment options.

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.

ENGL 2311 is required for all College of Engineering majors.

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: Mathematics

This requirement will be met by fulfilling the Cybersecurity program requirements (see "Other Course Requirements").

UNT Core: Component Area Option

This requirement will be met by fulfilling the B.S. in Cybersecurity program requirements (see "Other Course Requirements" below).

UNT Core: Life & Physical Sciences

This requirement will be met by fulfilling the Cybersecurity program requirements (see "Other Course Requirements").

Cybersecurity: Major Requirements

TCCNS options:

- COSC 2336 or 2436

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

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

College of Engineering

B.S. Cybersecurity

2020-2021 Texas Common Course Numbering System Transfer Guide



Cybersecurity: Other Course Requirements

TCCNS options:

Technical Writing

- ENGL 2311

Mathematics

- MATH 2313 or 2413 or 2513 (fulfills both Mathematics core and major requirements)
- MATH 2314 or 2414
- MATH 2318 or 2418

Laboratory Science

Part I - Required courses

- PHYS 2425 or 2325/2125
- PHYS 2426 or 2326/2126

Part II—Complete 8 hours from the list below:

- CHEM 1411 or 1311/111
- CHEM 1412 or 1312/1112 or BIOL 1406 or 1106/1306 (approved substitution)

BIOL, CHEM and PHYS courses listed above fulfill Life & Physical Sciences core, CAO core, and major requirements.

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

Cybersecurity: Other Requirements

The Cybersecurity Foundation courses are:

- CSCE 1035
- CSCE 1045
- CSCE 2100
- CSCE 2550
- MATH 1710

Students must complete these foundation courses with a grade of C or better and a minimum GPA of 2.5. This is a prerequisite to taking advanced courses in the major. Each semester the student must receive advisement until the foundation courses have been successfully completed.

College of Engineering: Admission Requirements

Admissions to the College of Engineering is contingent on clear admissions to the university.

Freshman applicants will be admitted to the College of Engineering in an Engineering program based on their high school graduation rank and SAT/ACT scores. See below for the full requirements:

- 1) Students in the top 25% of their class must meet one of the following requirements:
 - A) Math ACT score of 23 or better and a composite ACT score of 23 or better
 - B) If the SAT was taken February 2016 or before, Math SAT score of 570 or better and a total SAT score of 1070 or better
 - C) If the SAT was taken March 2016 or later, Math SAT score of 590 or better and a total SAT score of 1140 or better
- 2) Students in the top 50% of their class must meet one of the following requirements:
 - A) Math ACT score of 24 or better and a composite ACT score of 24 or better
 - B) If the SAT was taken February 2016 or before, Math SAT score of 600 or better and a total SAT score of 1100 or better
 - C) If the SAT was taken March 2016 or later, Math SAT score of 620 or better and a total SAT score of 1170 or better
- 3) Students below the top 50% of their class must meet one of the following requirements:
 - A) Math ACT score of 26 or better and a composite ACT score of 26 or better
 - B) If the SAT was taken February 2016 or before, Math SAT score of 630 or better and a total SAT score of 1180 or better
 - C) If the SAT was taken March 2016 or later, Math SAT score of 650 or better and a total SAT score of 1250 or better
- 4) Students with no graduating class ranking (homeschooled, GED, international students, etc.) must meet one of the following requirements:
 - A) Math ACT score of 24 or better and a composite ACT score of 24 or better
 - B) If the SAT was taken February 2016 or before, Math SAT score of 600 or better and a total SAT score of 1100 or better
 - C) If the SAT was taken March 2016 or later, Math SAT score of 620 or better and a total SAT score of 1170 or better

**College of Engineering: Admission requirements
(continued)**

Engineering Technology programs

- Freshman applicants to Engineering Technology programs must have a math SAT score of 540 or better, or a math ACT score of 22 or better.

Math courses

- Enrollment in mathematics classes for entering freshmen will be determined in accordance with criteria established by the Department of Mathematics.

Transfer, International and Post-Baccalaureate

- Transfer applicants must have a minimum 2.0 GPA in math/science/engineering courses and be eligible to enroll in MATH 1710 (Calculus I; TCCNS: MATH 2313 or 2413 or 2513) or higher. MATH 1650 (Pre-Calculus; TCCNS: MATH 2312 or 2412) completed with a grade of C or better is a prerequisite to enroll in MATH 1710/Calculus I.

Students not meeting the admission requirements for the major to be directly enrolled in a degree major in the College of Engineering will be supported through enrollment as a pre-major in their corresponding program.

Students classified as pre-majors will be reclassified into their respective major within the College of Engineering upon completing the corresponding course listed below with a C or higher and a student in good standing:

Pre-major	Course to be completed with a C or higher
Pre-Computer Science	CSCE 1030
Pre-Information Technology	CSCE 1030
Pre-Computer Engineering	CSCE 1030
Pre-Cybersecurity	CSCE 1035 or both CSCE 1030 and CSCE 1040
Pre-Electrical Engineering	MATH 1710
Pre-Mechanical and Energy Engineering	MATH 1710
Pre-Biomedical Engineering	MATH 1710
Pre-Materials Science and Engineering	MATH 1710
Pre-Mechanical Engineering Technology	MATH 1710
Pre-Construction Engineering Technology	MATH 1710

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 Engineering requirements.

- A grade of 'C' or better is required for all major courses and other course requirements.
- A 2.0 GPA is required for advanced Cybersecurity & Engineering courses in the major. Grades of "D" are not accepted.

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 Engineering required curriculum and policies are located in the [Undergraduate Catalog](#).

For additional program and contact information see the College of Engineering Student Advising website:
<http://engineering.unt.edu/advising>