



College of Engineering
B.S. Computer Science
Secondary Education Certification in Computer Science (7-12)
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
MATH 1710	MATH 2313 or 2413	MATH 1720	MATH 2314 or 2424
CSCE 1010	COSC 1301	CSCE 1015	N/A
UNT Core: Social & Behavioral Sciences	See list of approved courses	CSCE 1030	COSC 1336 or 1436
ENGL 1310	ENGL 1301	TECM 2700	ENGL 2311
PSCI 2305	GOVT 2305	PSCI 2306	GOVT 2306
UNT Core: American History	See list of approved courses	UNT Core: American History	See list of approved courses

Second Year Fall		Second Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
MATH 2700	MATH 2318 or 2418	CSCE 2100	MATH 2305
CSCE 1040	COSC 1337 or 1437	CSCE 2110	COSC 2336 or 2436
EENG 2710	ENGR 2306 or 2406	UNT Core: Language, Philosophy & Culture	See list of approved courses
Lab Science Option	See list of approved courses	Lab Science Option	See list of approved courses
UNT Core: Creative Arts	See list of approved courses	EDCI 3500	N/A
TNTX 1100 ¹	N/A	TNTX 1200 ¹	N/A

Third Year Fall		Third Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
MATH 1780 or 3680	N/A	CSCE 3444	N/A
CSCE 2610	COSC 2325 or 2425	CSCE 4010	N/A
CSCE 3550	N/A	CSCE 4110	N/A
CSCE 3600	N/A	Advanced CSCE Core	N/A
Advanced TECM Course (4000-level)	N/A	Advanced CSCE Breadth	N/A
EDCI 4060	N/A	EDCI 4000 ¹	N/A

¹ Students must be admitted to the Teach North Texas program prior to enrolling in certain Education courses.



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Fourth Year Fall		Fourth Year Spring	
UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
CSCE 4901	N/A	CSCE 4902	N/A
Advanced CSCE Core	N/A	Advanced CSCE Elective	N/A
Advanced CSCE Breadth	N/A	EDCI 4608 ¹ (Student Teaching I)	N/A
Advanced CSCE Elective	N/A	EDCI 4618 ¹ (Student Teaching II)	N/A
EDCI 4500 ¹	N/A	EDCI 4628 ¹ (Student Teaching Seminar)	N/A

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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".

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 at UNT 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

One course for this requirement will be met by fulfilling the B.S. Computer Science (Teacher Certification) major requirements. In addition, complete **ENGL** 1301 or **TECM** 1700 (at UNT only).

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. Computer Science (Teacher Certification) major requirements.

UNT Core: Life and Physical Sciences

This requirement will be met by fulfilling the B.S. Computer Science (Teacher Certification) major requirements.

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; **BUSI** 1307; **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

This requirement will be met by fulfilling the B.S. Computer Science (Teacher Certification) major requirements.

Computer Science (Teacher Certification): Major Requirements

TCCNS options:

- **COSC** 1301 (approved substitution)
- **COSC** 1336 or 1436
- **COSC** 1337 or 1437
- **COSC** 2325 or 2425
- **COSC** 2336 or 2436
- **MATH** 2305 (approved substitution)

Courses listed above are TCCNS options and do not include all courses required for the B.S. Computer Science (Teacher Certification) major.

Computer Science (Teacher Certification): Additional Requirements

TCCNS options:

- **ENGL** 2311 (also fulfills a portion of the Communication core requirement)
- **MATH** 2313 or 2413 (also fulfills the Mathematics core requirement)
- **MATH** 2314 or 2414 (also fulfills a portion of the Core Option Course core requirement)
- **MATH** 2318 or 2418

Lab Science Options (each option will fulfill 3-4 hours of the Life & Physical Sciences core requirement):

- **BIOL** 1106 & 1306, or 1406
- **BIOL** 1107 & 1307 or 1407
- **BIOL** 2106 & 2306, or 2406
- **CHEM** 1111 & 1311, or 1411
- **CHEM** 1112 & 1312, or 1412
- **GEOL** 1403
- **GEOL** 1401
- **PHYS** 1101 & 1301, or 1401
- **PHYS** 1102 & 1302, or 1402
- **PHYS** 2125 & 2325, or 2425
- **PHYS** 2126 & 2326, or 2426

A grade of 'C' or higher is required for all major courses and other course requirements.

A grade point average of 2.0 is required for all major requirement courses and approved electives.

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Computer Science & Engineering: Department Policies

Students in the College of Engineering will conduct themselves in a professional manner in their interaction with their peers, faculty, staff and the community in general. A student may be dismissed from the college for inappropriate conduct (please refer to the Code of Student Conduct).

Each semester, students are required to take engineering foundation courses and/or prerequisites to the engineering foundation courses until all foundation courses are successfully completed. Successful completion is a 2.5 GPA for all engineering foundation courses with a 'C' or better in each course.

A minimum grade of 'C' is required in all courses required in a student's major for degree completion. Courses include, but are not limited to, engineering, computing, mathematics, laboratory sciences, supporting area, technical elective, technical option, energy elective, and specialization courses.

A minimum grade of 'C' is required in all courses required in a student's major for prerequisite completion. Courses include, but are not limited to, engineering, computing, mathematics, laboratory sciences, supporting area, technical elective, technical option, energy elective, and specialization courses.

A student making grades lower than 'C' two times in the same course in any College of Engineering foundation course or in any course required by the major is subject to dismissal from the College of Engineering, pending a review by the Associate Dean for Undergraduate Studies in the College of Engineering.

A student must maintain good academic standing within the university. Please see "Academic status" and "Regulations governing students under academic suspension" in the Academics section of this catalog.

Computer Science: Teacher Certification

The College of Engineering offers the Bachelor of Science degree with major in Computer Science leading to certification in Computer Science.

A minor in Mathematics and Science Secondary Teaching administered by Teach North Texas is required for the certification in Computer Science.

Teach North Texas Minor Requirements: Students must complete the required 22 hours for the minor in Mathematics and Science Secondary Teaching and meet all GPA requirements to apply for state certification. Students should contact the Teach North Texas program for more information on enrolling in the certification courses. No TCCNS options available for Teach North Texas requirements.

A 2.75 GPA is required on all courses counting toward the Mathematics and Science Secondary Teaching Minor, see current UNT Undergraduate Catalog for all minor requirements.

To be certified to teach in the state of Texas, you must successfully pass appropriate state exams. Visit the College of Education TExES Success Office for specific exams requirements and information.

Additional requirements for Teacher Certification in Computer Science include a 2.5 overall GPA (including all transferred courses), a 2.5 UNT GPA and a 2.5 major GPA.

For information about this option, please contact the College of Engineering.

College of Engineering: Admission Requirements

Admission to the College of Engineering is contingent on clear admission to the university. The College of Engineering has 5 departments.

Applicants will be admitted to the College of Engineering in an engineering program if they meet the requirements below:

	ACT	SAT (Feb '16 or prior)	SAT (March '16 or after)
Top 25%	Math score of 23+ and a cumulative score of 23+	Math score of 570+ and a total score of 1070+	Math score of 590+ and a total score of 1140+
Top 50%	Math score of 24+ and a cumulative score of 24+	Math score of 600+ and a total score of 1100+	Math score of 620+ and a total score of 1170+
Below 50%	Math score of 26+ and a cumulative score of 26+	Math score of 630+ and a total score of 1180+	Math score of 650+ and a total score of 1250+
No Ranking	Math score of 24+ and a cumulative score of 24+	Math score of 600+ and a total score of 1100+	Math score of 620+ and a total score of 1170+

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 (second bachelor's degree) applicants must be eligible to enroll in **MATH 1710** (Calculus I) or in a higher-level math class and have a grade point average of 2.0 or greater in all prior math, science and engineering coursework.

Students not meeting the admission requirements for the major or applying to change their major into a degree 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 with the College of Engineering upon completing the corresponding course listed below with a 'C' or higher and a student in good standing:

Pre-major	Grade of 'C' or higher
Pre-Computer Science	CSCE 1030
Pre-Information Technology	CSCE 1030
Pre-Computer Engineering	CSCE 1030
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



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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 Engineering 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 Engineering 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 Engineering Student Advising website at <https://engineering.unt.edu/advising>.