

# College of Engineering

## B.A. Information Technology

### 2011-2012 Texas Common Course Numbering System Transfer Guide



- 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.A. Information Technology 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 1035 (available at UNT only) during the second semester of their freshman year. Please refer to the four-year plan on page three 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

##### UNT Core: English Composition & Rhetoric

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: Mathematics

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

##### UNT Core: Natural Science

This requirement will be met by fulfilling the College of Engineering laboratory science requirement (see "Other Course Requirements").

##### UNT Core: U.S. History

Two courses chosen from: HIST 1301, 1302, 2301

##### UNT Core: Political Science

Two courses chosen from one of the following combinations:

- GOVT 2301 and 2302
- GOVT 2305 and 2306
- GOVT 2301 and 2305
- GOVT 2301 and 2306
- GOVT 2302 and 2306

##### UNT Core: Visual & Performing Arts

One course chosen from: ARTS 1301, 1303, or 1304; DRAM 1310; MUSI 1306 or 1307; SPCH 2341

##### UNT Core: Humanities

One course chosen from: ENGL 2322, 2323, 2327, 2328, 2332, or 2333; PHIL 1304 or 2316

##### UNT Core: Social & Behavioral Sciences

One course chosen from: ANTH 2346 or 2351; COMM 1307; CRIJ 1301; ECON 2301 or 2302; HUMA 2323; PSYC 2301; SOCI 1301; SPCH 1318; TECA 1354

##### UNT Core: Discovery

One course chosen from: ARTS 1301; BIOL/HECO 1322; GEOG 1302 or 1303; HIST 2321 or 2322; PHIL 1301, 2303, or 2306; SPCH 1311 or 1315; TECA 1303

##### UNT Core: Capstone

The Capstone Core requirement is unique to UNT and will be fulfilled by an advanced course at UNT.

##### Information Technology: Major Requirements

TCCNS options:

- COSC 1336 or 1436
- COSC 1337 or 1437
- COSC 2336 or 2436

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

##### Information Technology: Other Course Requirements:

TCCNS options:

##### Required course in mathematics:

- MATH 2305 or 2405
- MATH 2313 or 2413 or 2513 (fulfills both Mathematics core and major requirements).

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#### College of Engineering: Admission Requirements

In addition to the university admission requirements, applicants must meet the following minimum requirements for admission to the College of Engineering:

- Freshman applicants must have a math SAT score of 540 or better, or a math ACT score of 22 or better.
- Transfer applicants must 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.

If an applicant does not meet any of the above requirements, admission will be granted into an engineering preparatory program (Pre-Engineering) until the applicant completes MATH 1650 (Pre-Calculus; TCCNS: MATH 2312 or 2412) with a grade of C or better.

College of Engineering foundation courses should be met prior to acceptance as a full major and/or enrollment in upper-division College of Engineering courses. Students must achieve a minimum GPA of 2.5 or higher in the following courses and laboratories with only grades of "A, B, and C" accepted:

**Mathematics:** This course will also fulfill Information Technology program requirements.  
TCCNS Options: MATH 2313 or 2413 or 2513.

**Science:** Two courses including laboratories chosen from the list of approved courses; these courses will also fulfill Information Technology program requirements.  
TCCNS Options: CHEM 1411 or 1311/1111; PHYS 2425 or 2325/2125.

**Technical Written Communication:** This course will also partially fulfill the UNT Core English Composition requirement.  
TCCNS Option: ENGL 2311.

#### Special Notes

##### Hours Required and General/College Requirements:

A minimum of 121 semester hours, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Arts degree as specified in the "[General University Requirements](#)" section of the UNT catalog and the College of Engineering requirements.

A 2.75 GPA is required for advanced Computer Science & 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 2011-2012*.

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

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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 or 1313   | ENGL 1301                    | CSCE 1035                   | None                         |
|          | CSCE 1030           | COSC 1336 or 1436            | CSCE 1040                   | COSC 1337 or 1437            |
|          | MATH 1710           | MATH 2313 or 2413 or 2513    | TECM 2700                   | ENGL 2311                    |
|          | CHEM 1410/1430      | CHEM 1411 or 1311/1111       | UNT Core: Political Science | See list of approved courses |
|          | UNT Core: Discovery | See list of approved courses | PHYS 1710/1730              | PHYS 2425 or 2325/2125       |

| YEAR      | FALL SEMESTER               |                              | SPRING SEMESTER                       |                              |
|-----------|-----------------------------|------------------------------|---------------------------------------|------------------------------|
|           | UNT Requirement             | TCCNS Option                 | UNT Requirement                       | TCCNS Option                 |
| SOPHOMORE | CSCE 1045                   | None                         | CSCE 2615                             | None                         |
|           | CSCE 2050                   | COSC 2336 or 2436            | UNT Core: U.S. History                | See list of approved courses |
|           | UNT Core: U.S. History      | See list of approved courses | UNT Core: Social & Behavioral Science | See list of approved courses |
|           | MATH 2770                   | MATH 2305 or 2405            | UNT Core: Humanities                  | See list of approved courses |
|           | UNT Core: Political Science | See list of approved courses | MATH 1780                             | None                         |

| YEAR   | FALL SEMESTER                      |                              | SPRING SEMESTER                    |              |
|--------|------------------------------------|------------------------------|------------------------------------|--------------|
|        | UNT Requirement                    | TCCNS Option                 | UNT Requirement                    | TCCNS Option |
| JUNIOR | CSCE 3055                          | None                         | CSCE 3535                          | None         |
|        | CSCE 4355                          |                              | Supporting Area                    |              |
|        | Supporting Area                    |                              | Supporting Area                    |              |
|        | Elective (advanced)                |                              | CSCE Concentration Area (advanced) |              |
|        | UNT Core: Visual & Performing Arts | See list of approved courses | Supporting Area                    |              |

| YEAR   | FALL SEMESTER                      |              | SPRING SEMESTER                    |              |
|--------|------------------------------------|--------------|------------------------------------|--------------|
|        | UNT Requirement                    | TCCNS Option | UNT Requirement                    | TCCNS Option |
| SENIOR | CSCE 3605                          | None         | CSCE 4010                          | None         |
|        | CSCE 4905                          |              | CSCE 4925                          |              |
|        | CSCE Concentration Area (advanced) |              | CSCE Concentration Area (advanced) |              |
|        | Supporting Area (advanced)         |              | Elective (advanced)                |              |
|        | Supporting Area (advanced)         |              | UNT Core: Capstone                 |              |