Courses Recommended for Transfer

The UNT Core requirements, with the exception of U.S. History and Political Science, and the College & Major 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: 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 Electrical Engineering program requirements (see "Other Course Requirements").

### UNT Core: Natural Science
This requirement will be met by fulfilling the Electrical Engineering program requirements (see "Other Course Requirements").

### UNT Core: U.S. History
Two courses chosen from: HIST 1301, 1302, 2301

### UNT Core: Political Science
As of Fall 2013, only the following courses are offered at the two-year level:
- GOVT 2305 and 2306
Other acceptable combinations are:
- GOVT 2301 and 2302
- 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; CRJ 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 1303; HIST 2321 or 2322; MATH 2305 or 2405; PHIL 1301, 2303, or 2306; SPCH 1311 or 1315; TECA 1303

*EENG 1910 offered at UNT is required course for the major and will satisfy the Discover Requirement.*

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

### Electrical Engineering: Major Requirements
No TCCNS Options Available.

### Electrical Engineering: Other Course Requirements
TCCNS options:

#### Required course in Computer Science and Engineering:
- COSC 1315 or 1415
- ENGR 2307

#### Required course in Technical Writing:
- ENGL 2311

#### Required courses in mathematics:
- MATH 2313 or 2413 or 2513 (fulfills both Mathematics core and major requirements).
- MATH 2314 or 2414
- MATH 2315 or 2415
- MATH 2318 or 2418

#### Required courses in laboratory science:
- PHYS 2425 or 2325/2125
- PHYS 2426 or 2326/2126

*Phys courses listed above fulfill both Natural Science core and major requirements.*

Courses listed above are TCCNS options and do not include all courses required for the UNT Electrical Engineering major.
### 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 Electrical Engineering 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 Electrical Engineering 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 128 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 point average of at least 2.0 is required for all electrical engineering courses. 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 2013-2014](http://engineering.unt.edu/advising).

For additional program and contact information see the College of Engineering Student Advising website: [http://engineering.unt.edu/advising](http://engineering.unt.edu/advising)

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http://essc.unt.edu/registrar/articulation/ Last Revised: June 12, 2013
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 1: Freshman Year

<table>
<thead>
<tr>
<th><strong>Fall Semester</strong></th>
<th><strong>Spring Semester</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNT Requirement</strong></td>
<td><strong>TCCNS Option</strong></td>
</tr>
<tr>
<td>MATH 1710</td>
<td>MATH 2313 or 2413 or 2513</td>
</tr>
<tr>
<td>CHEM 1415/1435</td>
<td>None</td>
</tr>
<tr>
<td>ENGL 1310</td>
<td>ENGL 1301</td>
</tr>
<tr>
<td>EENG 1910</td>
<td>None</td>
</tr>
<tr>
<td>UNT Core: Social &amp; Behavioral Science</td>
<td>See list of approved courses</td>
</tr>
</tbody>
</table>

### Year 2: Sophomore Year

<table>
<thead>
<tr>
<th><strong>Fall Semester</strong></th>
<th><strong>Spring Semester</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNT Requirement</strong></td>
<td><strong>TCCNS Option</strong></td>
</tr>
<tr>
<td>MATH 3310 or MATH 3410</td>
<td>None</td>
</tr>
<tr>
<td>PHYS 2220/2240</td>
<td>PHYS 2426 or 2326/2126</td>
</tr>
<tr>
<td>EENG 2610 or ENGR 2405</td>
<td>ENGR 2307</td>
</tr>
<tr>
<td>EENG 2910</td>
<td>None</td>
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<tr>
<td>CSCE 1020</td>
<td>COSC 1315 or 1415</td>
</tr>
</tbody>
</table>

### Year 3: Junior Year

<table>
<thead>
<tr>
<th><strong>Fall Semester</strong></th>
<th><strong>Spring Semester</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNT Requirement</strong></td>
<td><strong>TCCNS Option</strong></td>
</tr>
<tr>
<td>MATH 3680</td>
<td>None</td>
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<tr>
<td>EENG 3410</td>
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<tr>
<td>EENG 3510</td>
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<tr>
<td>EENG 3910</td>
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</tr>
<tr>
<td>UNT Core: U.S. History</td>
<td>See list of approved courses</td>
</tr>
</tbody>
</table>

### Year 4: Senior Year

<table>
<thead>
<tr>
<th><strong>Fall Semester</strong></th>
<th><strong>Spring Semester</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNT Requirement</strong></td>
<td><strong>TCCNS Option</strong></td>
</tr>
<tr>
<td>EENG 4910</td>
<td>None</td>
</tr>
<tr>
<td>*EE Elective</td>
<td></td>
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<tr>
<td>*EE Elective</td>
<td></td>
</tr>
<tr>
<td>MGMT 3830</td>
<td></td>
</tr>
<tr>
<td>UNT Core: Political Science</td>
<td>See list of approved courses</td>
</tr>
</tbody>
</table>

* EE Electives are defined as 4000-level organized EE courses, including EENG 4010 and EENG 4900 but excluding EENG 4910, EENG 4920, EENG 4951, and EENG 4990.