College of Engineering

*B.S.E.T. Mechanical Engineering Technology*

2016-2017 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.

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

### Year

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td></td>
<td>MATH 1710</td>
<td>MATH 2313 or 2413 or 2513</td>
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<tr>
<td></td>
<td>CHEM 1410/1430</td>
<td>CHEM 1411 or 1311/1111</td>
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<tr>
<td></td>
<td>ENGR 1304</td>
<td>ENGR 1304 or 1204</td>
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<tr>
<td></td>
<td>ENGL 1310</td>
<td>ENGL 1301</td>
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<tr>
<td></td>
<td>UNT Core: Government/Political Science</td>
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<td>UNT Requirement</td>
<td>TCCNS Option</td>
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<tr>
<td></td>
<td>CSCE 1020</td>
<td>COSC 1315 or 1415</td>
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<tr>
<td></td>
<td>UNT Core: Creative Arts</td>
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</tr>
<tr>
<td></td>
<td>ENGR 2301</td>
<td>ENGR 2303 or 2403 or ENGR 2301#</td>
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<tr>
<td></td>
<td>ENGR 2405/2415</td>
<td>ENGR 2307/2107 or ENGR 2305/2105#</td>
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<td>UNT Core: American History</td>
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<td>TCCNS Option</td>
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<td>MEET 3940</td>
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<td></td>
<td>MFET 3110</td>
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<td>MEET 3990</td>
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<td>UNT Requirement</td>
<td>TCCNS Option</td>
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<td>MEET 4050</td>
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<td>MFET 4200</td>
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College of Engineering
B.S.E.T. Mechanical Engineering Technology
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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” on page two.
- To complete the B.S.E.T. Mechanical Engineering 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. 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, with the exception of American History and Government/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: 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: Mathematics
This requirement will be met by fulfilling the Mechanical Engineering Technology requirements (see “Other Course Requirements”).

UNT Core: Life & Physical Sciences
This requirement will be met by fulfilling the Mechanical Engineering Technology requirements (see “Other Course 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: 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 Category I
One course chosen from: ARTS 1301; BIOL/HECO 1322; COMM 1307; MATH 2305 or 2405; SPCH 1311 or 1315; TECA 1303
ENGR 1030 offered at UNT is a required course for the major and will satisfy the CAO Category I requirement.

UNT Core: Component Area Option Category II
This requirement will be met by fulfilling the B.S.E.T. in Mechanical Engineering Technology program requirements (see “Other Course Requirements” below).

Mechanical Engineering Technology: Major Requirements
TCCNS options:
- COSC 1315 or 1415
- ENGR 1304 or 1204
- ENGR 2302 or 2402
- ENGR 2303 or 2403 or ENGR 2301 (substitutes for UNT’S ENGR 2301)
- ENGR 2307 and ENGR 2107 or ENGR 2305 and ENGR 2105 (approved transferable Substitution)
- ENGR 2332 or 2432 (substitutes for UNT’S ENGR 2332)

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

Mechanical Engineering Technology: Other Course Requirements
TCCNS options:
Required course in Technical Writing:
- ENGL 2311

Required courses in mathematics:
- MATH 2313 or 2413 or 2513 (fulfills both Mathematics core and program requirements).
- MATH 2314 or 2414

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Required courses in laboratory science:

- CHEM 1411 or 1311/1111
- PHYS 2425 or 2325/2125
- PHYS 2426 or 2326/2126

CHEM and PHYS courses listed above fulfill both Life & Physical Sciences core and major requirements.

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

Mechanical Engineering Technology: Other Requirements

Mechanical Engineering Technology foundation courses include:

- ENGR 1304 or 1204
- ENGL 2311
- MATH 2313 or 2413 or 2513
- PHYS 1710/1730, PHYS 2425 or 2325/2125
- ENGR 2303 or 2403 or ENGR 2301#

Satisfactory completion of the Mechanical Engineering Technology foundation courses with a minimum GPA of 2.5 is prerequisite to taking advanced courses in the major. Mandatory advisement is required each semester 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 if:

1) They were in the top 25% of their graduating class and have a math SAT score of 570 or better and a total SAT score of 1070 or better; or a math ACT score of 23 or better and a cumulative ACT score of 23 or better.

2) They were in the top 50% of their graduating class or have no graduating class ranking (home schooled, GED, international students, etc) and have a math SAT score of 600 or better and a total SAT score of 1100 or better; or a math ACT score of 24 or better and a cumulative ACT score of 24 or better.

3) They have a math SAT score of 630 or better and a total SAT score of 1180 or better; or a math ACT score of 26 or better and a cumulative ACT score of 26 or better.

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.

Special Notes

Hours Required and General/College Requirements:

A minimum of 124 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 elective courses counting toward the major.
- Courses taken to satisfy the technical options in the major must be approved by the academic advisor.

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

http://registrar.unt.edu/transfer-guides

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