



The Cockrell School of Engineering University of Texas at Austin

2008-2010 Transfer Guide for Texas Community College Students

Degree Programs Available

Bachelor of Science degrees in:

- Aerospace Engineering
- Architectural Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering (*including a Computer Engineering curriculum*)
- Geosystems Engineering & Hydrogeology (*offered jointly with the Jackson School of Geosciences*)
- Mechanical Engineering
- Petroleum Engineering

Prospective Engineering transfer students are urged to become familiar with the School's curricula and rules in the *Undergraduate Catalog 2008-2010*, available at <http://registrar.utexas.edu/catalogs/>.

Students who transfer directly from a Texas community college may choose to graduate under UT Austin catalog rules in effect during the time they attended the community college; those declaring the 2008-2010 catalog must complete all degree requirements by the end of the summer session 2016. At least sixty semester credit hours must be completed at UT Austin to earn an undergraduate degree.

Prospective students can monitor their UT degree progress – even before transfer – and check degree applicability of Texas community college courses by using the “Planner” function of UT’s Interactive Degree Audit (IDA) system at <http://registrar.utexas.edu/students/degrees/ida/>.

Texas Common Course Numbering System

Course recommendations in this Guide are expressed in **Texas Common Course Numbering (TCCN)** designations, a uniform system of four-character abbreviations for academic disciplines and four-digit course numbers used by community colleges statewide. The first digit of the number denotes a course's academic level (0 = freshman, 1 = freshman, 2 = sophomore) and the second digit denotes semester hour credit value.

Use of Transfer Credit Toward Degrees

The Office of Admissions evaluates courses from other institutions for comparability with UT Austin coursework, but the student's major department in the School of Engineering approves transfer credit for use in a degree program.

- Questions concerning **degree/graduation requirements** and degree applicability of transfer credit should be directed to the Office of Student Affairs, Cockrell School of Engineering, ECJ 2.200, UT Austin, Austin TX 78712 (512/471-4321). Prospective student information is available at <http://www.engr.utexas.edu/prospective/>.
- Questions concerning **transfer admission** and transfer credit evaluation should be directed to the Office of Admissions, MAI 7, UT Austin, Austin TX 78712 (512/475-7387). Admission information and Transfer Guides for other UT programs are available at <http://bealonghorn.utexas.edu/transfer/>.

High School Foreign Language Preparation

The University requires all students to have completed two years of high school study in a single foreign language. Transfer students who do not meet this requirement are assessed a **foreign language deficiency**; removal of deficiencies is required for graduation. To remove a deficiency, credit for the second college-level course in a language (numbered 1312, 1412, or 1512) is required. Credit used to remove a deficiency cannot be applied toward other degree requirements. Prospective students should complete coursework needed to satisfy a foreign language deficiency prior to transfer.

Special Notes

- Due to **enrollment limitations**, admission to the School of Engineering is competitive; acceptance depends upon available space and the applicant's qualifications compared to the entire applicant pool.
- **To be considered for transfer admission in Engineering**, applicants must have completed two semesters of calculus (MATH 2313, 2413, or 2513 and MATH 2314 or 2414) or one semester of accelerated calculus (MATH 2417). Admission preference is given to those who also have completed MATH 2315, 2415, or 2419, PHYS 2325 or 2425, and PHYS 2326 or 2426.
- **Core curriculum** transfer credit from Texas community colleges is guaranteed to apply toward UT core requirements, but degree plans may specify how some core requirements should be fulfilled. Recommendations in this Guide satisfy core requirements with courses normally required by a student's major field of study at UT.
- Courses in which **grades lower than C-** are earned do not transfer into the University; coursework with **grades lower than C** do not count toward degree requirements in the School of Engineering. Grades from transfer credit are excluded from a student's internal **UT Austin grade point average** computation.
- **Physical Education** activity courses do not apply toward degree requirements in the School of Engineering, but grades and credit count toward transfer admission.
- At the discretion of the Office of Student Affairs, six semester hours in **Air Force, Military, or Naval Science** may be applied toward a degree in the School of Engineering by students commissioned through the UT Austin ROTC program. Approved credit may substitute for three semester hours each of American government and elective coursework.

Courses Recommended for Transfer

expressed in Texas Common Course Numbering designations

Writing & Literature

ENGL 1301 (or 1306 for nonnative English speakers); one Substantial Writing Component/Writing Flag course chosen from ENGL 1302, 2311, or 2314; and one literature survey course chosen from ENGL 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, or 2333.

Foreign Language

In a single foreign language, either two years of prior high school credit or two college-level semesters chosen from courses numbered 1311, 1411, or 1511 (1st semester) and 1312, 1412, or 1512 (2nd semester).

U.S. & Texas Government

Two courses chosen from one of the following combinations:
GOVT 2301+2302, 2305+2306, 2301+2305, or 2301+2306.
(Because community colleges organize the two-course legislative requirement sequence differently, it is strongly recommended that students take both courses at one institution.)

U.S. History

Two courses chosen from HIST 1301, 1302, 2301, 2327, 2328, and 2381.

Social Science

One course chosen from ANTH 2351, ECON 2301 or 2302, GEOG 1303, PSYC 2301, or SOCI 1301. *(Students preparing for the professional practice of engineering are encouraged to fulfill this requirement with ECON 2301 or 2302.)*

Mathematics

A calculus sequence chosen from:
MATH 2413+2414+2415 (differential, integral, multivariable) or
MATH 2417+2419 (Accelerated Calculus I & II).
A differential equations course:
MATH 2320 or 2420 (3- or 4-hour version).
(Credit values in MATH 2413, 2414, & 2415 vary among community colleges; the second digit of course numbers listed here may instead be 3, 4, or 5, but course content is comparable.)

Natural Science

(Community colleges may number lecture & lab credit separately, for example PHYS 2425 may be offered as 2325 & 2125.)

For all degrees: PHYS 2425+2426.
Additionally, for Aerospace Engineering: CHEM 1311 (or 1411).
Additionally, for Architectural Engineering: CHEM 1311 (or 1411) and GEOL 1403.
Additionally, for Biomedical Engineering: BIOL 1406 and CHEM 1411+1412+2423.
Additionally, for Chemical Engineering: BIOL 1406 and CHEM 1411+1412+2423+2425.
Additionally, for Civil Engineering: CHEM 1311+1312 (or 1411+1412).
Additionally, for Geosystems Engineering & Hydrogeology: CHEM 1311+1312 (or 1411+1412) and GEOL 1403.
Additionally, for Mechanical Engineering: CHEM 1311 (or 1411).
Additionally, for Petroleum Engineering: CHEM 1311+1312 (or 1411+1412) and GEOL 1403.

Fine Arts

For Architectural Engineering: one course chosen from ARCH 1301, 1302, or 1311.
For all other degrees: one course chosen from ARCH 1301 or 1311; ARTS 1301, 1303, or 1304; DRAM 1310 or 2361; or MUSI 1306.

Other Coursework

For Aerospace Engineering: ENGR 2301, 2302, & 2332 (or 2401, 2402, & 2432); and ENGR 1204 or 1304 (recommended only if the course emphasizes computer-aided design).
For Architectural Engineering: ENGR 2301 & 2332 (or 2401 & 2432).
For Civil Engineering: ENGR 2301, 2302, & 2332 (or 2401, 2402, & 2432); and ENGR 1204 or 1304 (recommended only if the course emphasizes computer-aided design).
For Electrical Engineering: ENGR 2305 (or 2405).
For Geosystems Engineering & Hydrogeology: ENGR 2301 & 2332 (or 2401 & 2432).
For Mechanical Engineering: ENGR 2301 & 2332 (or 2401 & 2432).
For Petroleum Engineering: ENGR 2301 & 2332 (or 2401 & 2432).