



TEXAS TECH UNIVERSITY

Edward E. Whitacre Jr.
College of Engineering

2012-2013



CONTACTS

ENGINEERING UNDECIDED

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PREENGINEERING

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For more information, visit the University
Advising Center's PreEngineering Web site.
www.depts.ttu.edu/advising/preengineering/

Texas Tech University PreEngineering Program

To support the success of future engineers, Texas Tech University provides the PreEngineering Program (PREN). PreEngineering students benefit from the highly personal, success-oriented, and career-focused advising provided by the University Advising Center during their first academic semesters at Texas Tech.

WHAT WILL I DO AS A PREENGINEERING STUDENT?

In the first few semesters, PreEngineering students follow a normal engineering course of study and participate in all activities organized and promoted by the Whitacre College of Engineering. The primary difference and benefit for students in the PreEngineering program is that their advising will come from the University Advising Center. PreEngineering students interact closely with their assigned academic advisors who facilitate a values-based decision making process and connect students with valuable campus resources to facilitate their overall success.

Engineering presents an extremely challenging course of study, and experience has shown that many freshmen will ultimately select an alternative discipline. The advisors in the University Advising Center have specialized training and are equipped with the tools necessary to assist students in finding a course of study that is best suited to their unique talents and interests. In the Whitacre College of Engineering, the ultimate priority is for every student to graduate successfully from a best-fit major.

The process described above regularly leads students to the selection of minors, undergraduate research areas, and potential graduate programs. Some students may identify other majors that better suit their interests and talents. In each case, PreEngineering students are advised to enroll in coursework that will apply to engineering degrees while maximizing the flexibility of their available academic options.

While in PreEngineering, you will take the introductory math, science, and engineering courses appropriate for your intended engineering degree program. You can transfer into the Whitacre College of Engineering when your math preparation is complete and you are academically qualified to begin an engineering degree program.



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Admission into the Whitacre College of Engineering

FRESHMEN

(LESS THAN 12 HOURS OF CREDIT)

TRANSFERS

(LESS THAN 12 HOURS OF CREDIT)

TRANSFERS

(12 OR MORE HOURS OF CREDIT)

To gain admission into the Whitacre College of Engineering, you must have the academic preparation necessary to begin an engineering degree program.

Specifically, you must be qualified to enroll in MATH 1451 (Calculus I) or higher. Qualification for MATH 1451 is demonstrated by any of the following criteria:

- High school AP calculus with a test score of 4 or higher
- SAT math score of 660 or an ACT math score of 29
- College credit for Precalculus or Calculus I with a C or better
- College credit Trigonometry with a B or better
- Score of 7 on the Texas Tech math placement exam
- Score of 50 or higher on the CLEP Calculus exam

If you do not meet these standards, you will enter the university's PreEngineering program.

DEPARTMENT ADMISSIONS

If you are qualified to enroll in MATH 1451 (Calculus I) or higher, you'll be transferred over to the Whitacre College of Engineering, and can choose any degree program offered except petroleum engineering and mechanical engineering.

These two departments have additional admission requirements (see below).

Additional requirements for admission into the Department of Mechanical Engineering:

Transfer GPA	Courses Completed with a C or better
2.5	MATH 1451 (Calculus I)
	PHYS 1408 (Physics I)
	CHEM 1307/1107 (Chem I)

Additional requirements for admission into the Bob L. Herd Department of Petroleum Engineering:

Transfer GPA	Courses Completed with a C or better
3.0	MATH 1451 (Calculus I)
	MATH 1452 (Calculus II)
	PHYS 1408 (Physics I)
	CHEM 1307/1107 (Chem I)
	ENGL 1301 (Freshman Comp.)
	ENGL 1302 (Adv. College Rhetoric)

Students admitted to the college but not into their preferred department will choose engineering undecided as their major while they attempt to meet the additional departmental admission requirements. However, students may not complete more than 30 hours of coursework counting toward an engineering degree without selecting a degree program for which they have qualified.

SUBJECT TO CHANGE