

UTSA
College of Engineering
CIVIL ENGINEERING
Prerequisite List
2008-2010 Undergraduate Catalog
<http://www.utsa.edu>

Any courses that can be taken **concurrently** if credit has not already been earned **are shown in parentheses**.

NOTE: Prerequisites for CE, EE, ME, and EGR courses must be completed with a grade of “C” or better.

A minimum grade of “C” is required for all science and mathematics courses required in the Engineering programs.

Transfer students must request a transfer evaluation from the undergraduate advisors during their first semester. A grade of “D” may not be transferred into major work requirements. Students may not graduate with a grade of “D” in a course required for the major.

Course Number and Title (T/E = Technical Elective)	Prerequisites (credit or concurrent enrollment) ALWAYS CHECK CURRENT CATALOG	Offered
CE 1301 Intro to Civil Engineering	CE Freshmen	B
CE 1403 Engineering Communication	CE Freshmen	B
CE 2103 CE Measurements	(MAT 1214, CE 1301)	B
CE 2633 Environmental Engineering	CHE 1103, CE 1301	B
CE 3103 Mechanics of Solids	EGR 2103, EGR 2323	B
CE 3113 Structural Analysis	CE 3103	B
CE 3173 Numerical Analysis	EGR 2323	B
CE 3213 Reinforced Concrete Design	(CE 3113, CE 3243)	B
CE 3233 Steel Design	(CE 3113)	B
CE 3243 Property/Behavior or Engineering Materials	CE 3103, STA 2303	B
CE 3253 Intro to Masonry & Timber Design (T/E)	(CE 3113, CE 3243)	F
CE 3413 Geotechnical Engineering & Applications	CE 3103, (GEO 4023, CE 3173)	B
CE 3543 Project Design and Construction Management	CE 2103, EGR 3713	B
CE 3603 Fluid Mechanics	EGR 2103, EGR 2513	B
CE 3633 Water/Wastewater Treatment	CE 2633, (CE 3603)	B
CE 3723 Applied Hydrology (T/E)	CE 3603	S
CE 4123 Highway Engineering	CE 2103, STA 2303	B
CE 4233 Transportation Engineering (T/E)	STA 2303	B
CE 4313 Computer-Aided Design in CE	CE 1403, CE 2103	F
CE 4413 Foundation Analysis & Design (T/E)	CE 3413	B
CE 4603 Water Resources Engineering	CE 2633, CE 3603, (CE 3633)	F
CE 4653 Design of Pollution Control Systems (T/E)	CE 3633	F
CE 4723 Hydraulic Systems Design (T/E)	CE 4603	B
CE 4813 CE Design	CE 3543, CE 3213, CE 3233	B
CE 4953 Special Studies in CE	Consent of instructor	B
CHE 1103 General Chemistry I	(MAT 1073), Passing score on Chemistry Placement exam or CHE 1073	B
EGR 2103 Statics	MAT 1223, PHY 1903	B
EGR 2323 Applied Engineering Analysis I	MAT 1223	B
EGR 2513 Dynamics	EGR 2103	B
EGR 3713 Engineering Economic Analysis	ECO 2013 or ECO 2023, MAT 1223	B
GEO 4023 Engineering Geology	PHY 1903, MAT 1214, or consent of instructor	B
MAT 1214 Calculus I	MAT 1093 or passing score on placement exam	B
MAT 1223 Calculus II	MAT 1214	B
PHY 1903 Engineering Physics I	MAT 1214, (MAT 1223)	B
PHY 1911 Technical Physics I Lab	(PHY1903)	B
PHY 1923 Engineering Physics II	PHY 1903, MAT 1223	B
PHY 1931 Technical Physics II Lab	PHY 1911, (PHY 1923)	B
STA 2303 Applied Probability/Statistics for Engineers	MAT 1223	B

Semester Offered: F – Fall, S – Spring, B-Both