

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
CE 1301 Intro to Civil Engineering	
CE 1403 Engineering Communication	
CE 2103 CE Measurements	(MAT 1214, CE 1301)
CE 2633 Environmental Engineering	CHE 1103, CHE 1013, CE 1301
CE 3103 Mechanics of Solids	EGR 2103, EGR 2323
CE 3113 Structural Analysis	CE 3103
CE 3173 Numerical Analysis	EGR 2323
CE 3213 Reinforced Concrete Design	(CE 3113, CE 3243)
CE 3233 Steel Design	(CE 3113)
CE 3243 Property/Behavior or Engr Mat'ls	CE 3103, STA 2303
CE 3253 Intro to Masonry & Timber Design (T/E)	(CE 3113, CE 3243)
CE 3413 Geotechnical Engr & Applications	CE 3103, (GEO 4023, CE 3173)
CE 3603 Fluid Mechanics	EGR 2103, EGR 2513
CE 3633 Water/Wastewater Treatment	CE 2633, (CE 3603)
CE 3713 CE Systems Analysis	EGR 3713, CE 3173
CE 3723 Applied Hydrology (T/E)	CE 3603
CE 4123 Highway Engineering	STA 2303, CE 2103
CE 4233 Transportation Engineering (T/E)	STA 2303
CE 4313 Computer-Aided Design in CE	CE 1403, CE 2103
CE 4413 Foundation Analysis & Design (T/E)	CE 3413
CE 4543 Construction Planning & Management	(EGR 3713, CE 2103)
CE 4603 Water Resources Engineering	CE 2633, CE 3603, (CE 3633)
CE 4653 Dsgn of Pollution Control Systems (T/E)	CE 3633
CE 4723 Hydraulic Systems Design (T/E)	CE 4603
CE 4803 Engineering Practice	(CE 3413) (3713) Must be taken one semester prior to CE 4813
CE 4813 CE Design	CE 4803, (CE 3213, CE 3233)
CHE 1013 Elem Organic/Biochem	CHE 1103 or CHE 1003
CHE 1103 General Chemistry I	(MTC 1073), Passing score on Chemistry Placement exam OR CHE 1073 with a grade of "C" or better
EGR 2103 Statics	MAT 1223, PHY 1903
EGR 2323 Applied Engineering Analysis I	MAT 1223
EGR 2513 Dynamics	EGR 2103
EGR 3713 Engineering Economic Analysis	CE 2633
GEO 4023 Engineering Geology	PHY 1903/1903 or PHY 1603 and MAT 1214, or consent of instructor
MAT 1214 Calculus I	MAT 1093 or equivalent or passing score on placement exam
MAT 1223 Calculus II	MAT 1214
PHY 1903 Engineering Physics I	MAT 1214 with a grade of "C" or better and (MAT 1223)
PHY 1911 Technical Physics I Lab	Completion of, with a grade of "C" or better, or concurrent enrollment in PHY1903.
PHY 1923 Engineering Physics II	PHY 1903 with a grade of "C" or better and MAT 1223 with a grade of "C" or better
PHY 1931 Technical Physics II Lab	Completion of PHY 1911 with a grade of "C" or better and completion of or concurrent enrollment in PHY 1923.
STA 2303 Applied Prob/Statistics for Engr	MAT 1223