

# UTSA

## CIVIL ENGINEERING RECOMMENDED PROGRAM OF STUDY 2008-2010 UNDERGRADUATE CATALOG

Revised 04/17/2008

dated 4-17-2008							
<b>SEMESTER I</b>				<b>SEMESTER II</b>			
MAT	1214	Calculus I	4	MAT	1223	Calculus II	3
CE	1301	Intro to CE	1	CE	2103	CE Measurements	3
CE	1403	Engineering Communications	3	PHY	1903	Engineering Physics I	3
CHE	1103	General Chemistry	3	PHY	1911	Engineering Physics I Lab	1
WRC	1013	Freshman Composition I	3	WRC	1023	Freshman Composition II	3
COR	1203	Freshman Seminar/Soc-Beh Science	3	<b>CORE*</b>		U.S. History & Diversity	3
Semester Total			17	Semester Total			16
<b>SEMESTER III</b>				<b>SEMESTER IV</b>			
EGR	2103	Statics	3	EGR	2513	Dynamics	3
EGR	2323	Applied Engineering Analysis I	3	CE	3103	Mechanics of Solids	3
STA	2303	Applied Probability/Statistics of Engr.	3	CE	3173	Numerical Analysis	3
PHY	1923	Engineering Physics II	3	CE	2633	Environmental Engineering	3
PHY	1931	Engineering Physics II Lab	1	<b>CORE*</b>		Economics (2013, 2023)	3
<b>CORE*</b>		U.S. History & Diversity	3				
Semester Total			16	Semester Total			15
<b>SEMESTER V</b>				<b>SEMESTER VI</b>			
CE	3113	Structural Analysis	3	CE	3233	Steel Design	3
CE	3213	Reinforced Concrete Design	3	CE	3413	Geotechnical Engr & Appl	3
CE	3243	Prop/Behavior of Engr Mat'ls	3	GEO	4023	Engineering Geology	3
CE	3603	Fluid Mechanics	3	EGR	3713	Engineering Economic Analysis	3
CE	3633	Water & Wastewater Treatment	3	<b>CORE*</b>		Political Science (Texas)	3
<b>CORE*</b>		Political Science 1013 (U.S.)	3				
Semester Total			18	Semester Total			15
<b>SEMESTER VII</b>				<b>SEMESTER VIII</b>			
CE	3543	Proj. Design and Const. Management	3	CE	4813	CE Engineering Design	3
CE	4123	Highway Engineering	3	CE		Technical Elective	3
CE	4313	Computer Aided Design in CE	3	CE		Technical Elective	3
CE	4603	Water Resources Engineering	3	<b>CORE*</b>		Visual and Performing Arts	3
<b>CORE*</b>		Literature	3	<b>CORE*</b>		World Society & Issues	3
Semester Total			15	Semester Total			15
<b>Total Required Degree Hours</b>							<b>127</b>

\*PLEASE REFER TO UTSA 2008-10 UNDERGRADUATE CATALOG PAGES 5-9.

**DEADLINE TO APPLY FOR GRADUATION:**  
**FALL: Apr. 15; SPR: Nov. 15; SMR: Feb. 15**

**ALL UNDERGRADUATE ENGINEERING STUDENTS SOPHOMORE LEVEL AND ABOVE MUST  
SEE A FACULTY ADVISOR EVERY FALL/SPRING PRIOR TO REGISTRATION**

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) <b>ALWAYS CHECK CURRENT CATALOG</b>	Offered
CE 1301 Intro to Civil Engineering		B
CE 1403 Engineering Communication		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	Must be taken one semester prior to CE 4813 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	S
CE 4313 Computer-Aided Design in CE	CE 1403, CE 2103	B
CE 4413 Foundation Analysis & Design (T/E)	CE 3413	F
CE 4603 Water Resources Engineering	CE 2633, CE 3603, (CE 3633)	B
CE 4653 Design of Pollution Control Systems (T/E)	CE 3633	F
CE 4723 Hydraulic Systems Design (T/E)	CE 4603	F
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 <b>or</b> 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 <b>or</b> ECO 2023, MAT 1223	B
GEO 4023 Engineering Geology	PHY 1923, MAT 1214, <b>or</b> consent of instructor	B
MAT 1214 Calculus I	MAT 1093 <b>or</b> 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 Fall/Spring

CEE summer offerings vary by year, please consult <http://engineering.utsa.edu/CE/links.html>