

Bachelor of Science in Civil Engineering
College of Engineering
University of Texas at Arlington
General Requirements 2007-2008 ■ Total Credit Hours = 130

Freshman

First Semester			Hours	Second Semester			Hours
CE	1104	Introduction to Engineering	1	CE	1350	Computer Aided Drafting	3
CE	1105	Introduction to Civil Engineering	1	CHEM	1442	Gen Chemistry II (w/ Lab)	4
CHEM	1441	Chemistry I (w/ Lab)	4	ENGL	1302	Critical Thinking, Reading and Writing II	3
ENGL	1301	Critical Thinking, Reading and Writing I	3	MATH	2425	Calculus II	4
HIST	1311	U.S .History to 1865	3	PHYS	1443	Tech Physics I (w/ Lab)	4
MATH	1426	Calculus I	4				
Total Credit Hours			16	Total Credit Hours			18

Sophomore

First Semester			Hours	Second Semester			Hours
CE	2312	Statistics & Dynamics	3	CE	2313	Mechanics of Materials I	3
CE	2331	Surveying	3	COMS	3302	Prof & Tech Communication	3
HIST	1312	U.S. History since 1865	3	EE	2320	Circuit Analysis	3
MATH	2326	Calculus III	3	MAE	3309	Thermal Engineering	3
PHYS	1444	Technical Physics II (w/ Lab)	4	MATH	3319	Diff Equations & Linear Algebra	3
				POLS	2311	Government of U.S.	3
Total Credit Hours			16	Total Credit Hours			18

Junior

First Semester			Hours	Second Semester			Hours
CE	3261	Properties & Behavior of Engineering Materials	2	CE*	3301	Stochastic Models for Civil Engineering	3
CE	3305	Basic Fluid Mechanics	3	CE	3302	Transportation Engineering	3
CE	3341	Structural Analysis	3	CE	3334	Principles of Environmental Engineering	3
CE	3343	Soil Mechanics	3	IE	3312	Economics for Engineers	3
		CE Lab Elective §	1			CE Lab Elective §	1
		CE Lab Elective §	1			Literature Elective ■	3
		Social/Cultural Elective ■	3				
Total Credit Hours			16	Total Credit Hours			16

Senior

First Semester			Hours	Second Semester			Hours
CE	4331	Water Resources & Conveyance Systems	3	CE	4383	Senior Project	3
CE	4347	Reinforced Concrete Design	3	POLS	2312	State & Local Government	3
CE	4352	Professional Practice	3			CE Technical Elective §	3
		CE Technical Elective §	3			CE Technical Elective §	3
		CE Technical Elective §	3			Fine Arts Elective ■	3
Total Credit Hours			15	Total Credit Hours			15

Students who do not have two units of a single foreign language in high school will be required to take two courses of a single foreign language in addition to the previously listed curriculum requirements.

* Can substitute CE 3301 with IE 3301.

§ To be chosen from the approved list of CE technical electives available in the CE office, 417 NH.

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