

Civil Engineering (2012-13)

**Below is the *advised sequencing* of courses for this degree,
the official degree requirements are found in the University General Catalog.**

FRESHMAN YEAR				SOPHOMORE YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ENGR 102	3	MATH 129 or 250A	3	CE 210	3	CE 215	3
MATH 125 or 122A/B [#]	3/5	MCB181R/L or GEOS 251	4	CE 214	3	CE 218	3
CHEM 151	4	PHYS 141 or 161H	4	MATH 223	4	CE 251	3
ENGL 101	3	ENGL 102	3	PHYS 241 or CHEM152	4	MATH 254	3
Tier 1 TRAD*	3	Tier 1 INDV*	3	Tier 1 TRAD*	3	Tier 1 INDV*	3
TOTAL 16/18		TOTAL 17		TOTAL 17		TOTAL 15	

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course †	Units	Course†	Units	Course†	Units	Course†	Units
CE 301	2	CE 310	3	CE 408A	3	CE 408B	3
CE 303	3	CE 323	4	CE 335 or Tech Elect***	3	CE Tech Elect***	3
CE 333	3	CE 334 or Tech Elect***	3	CE Tech Elect***	3	CE Tech Elect***	3
CE 343	4	CE 370 R,L	4	CE Tech Elect***	3	CE Lab Elect****	1
CE 363	4	CE Lab Elect****	1	CE Tech Elect***	3	Tier 2 Art/Hum*	3
				Engr Sci Elect**	3	Tier 2 INDV (Econ)*	3
				CE Lab Elect****	1		
TOTAL 16		TOTAL 15		TOTAL 16		TOTAL 16	

TOTAL UNITS = 128

MATH 122A/B is a 5 unit version of MATH 125. Students taking MATH 122A/B should consider delaying the Tier 1 INDV course to maintain a reasonable academic load.

† Advanced standing is required for all 300/400 level courses (GPA => 2.25)

* INDV/TRAD/Art/Hum courses must meet University general education requirements. One course must be recognized by the University as focusing on gender, race, class, ethnicity, sexual orientation or non-western area of studies. TRAD 101 satisfies this requirement and is highly recommended as one of the two TIER 1 (TRAD) courses required. It is recommended that students take Economics 200 or 201A to meet the required TIER 2 (INDV).



** Engr. Science Elective - ENGR 211P (Eng Economics) and 2 of the following: ENGR 211I (Dynamics), 211K (Thermodynamics), 211M (Circuits), 211R (Material Science).

*** To meet the CE Tech. Elective requirement, students must select 5 courses from the list of acceptable technical electives. A minimum of two of the five technical electives must be taken from the list of design-oriented technical electives. Prerequisites for these courses are available on the Electronic Catalog.

****To meet the CE Lab requirement, students must complete each of the following laboratory courses: CE 329 (Hydraulics), CE 349 (Soils), CE 389 (Engineering Materials). Co-requisites are as follows: CE 329 (CE218); CE 349 (CE343); CE 389 (None).

This plan assumes that you start in the Fall semester. Notice that 300/400 level courses are only offered once a year. See 3-year plan for information when courses are offered.