

# Civil Engineering (2010-11)

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	3	CE 210	3	CE 215	3
MATH 125 or 124 <sup>#</sup>	3/5	MCB181R/L or	4	CE 214	3	CE 218	3
CHEM 151	4	GEOS 251	4	MATH 223	4	CE 251	3
ENGL 101	3	PHYS 141	4	PHYS 241 or	4	MATH 254	3
Tier 1 TRAD*	3	ENGL 102	3	CHEM152	3	Tier 1 INDV*	3
		Tier 1 INDV*	3	Tier 1 TRAD*	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 408	3	CE 498	3
CE 303	3	CE 323	4	CE 335 or Tech	3	CE Tech Elect***	3
CE 333	3	CE 334 or Tech	3	Elect***	3	CE Tech Elect***	3
CE 343	4	Elect***	3	CE Tech Elect***	3	CE Lab Elect****	1
CE 363	4	CE 370 R,L	4	CE Tech Elect***	3	Tier 2 Art/Hum*	3
		CE Lab Elect****	1	Engr Sci Elect**	3	Tier 2 INDV	3
				CE Lab Elect****	1	(Econ)*	3
TOTAL 16		TOTAL 15		TOTAL 16		TOTAL 16	

TOTAL UNITS = 128

# MATH 124 is a 5 unit version of MATH 125. Students taking MATH 124 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 and TRAD courses must meet University general education requirements. One course must be recognized by the University as focusing on non-western culture, race, gender or ethnicity. 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.