

Civil Engineering (2004-05)

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#	3	CHEM 103b	3	CE 214	3	CE 218	3
CHEM 103a	3	CHEM 104b	1	MATH 223	4	CE 251	3
CHEM 104a	1	PHYS 141	4	PHYS 241	4	MATH 254	3
ENGL 101	3	ENGL 102	3	Tier 1 TRAD*	3	Tier 1 INDV*	3
Tier 1 TRAD*	3	Tier 1 INDV*	3				
TOTAL	16	TOTAL	17	TOTAL	17	TOTAL	15

Advanced standing is required for 3/400 level courses taught by the College

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
CE 303	3	CE 310	3	CE 408	3	CE 498	3
CE 301	2	CE 323	4	CE Tech Elect***	3	CE Tech	3
CE 333	3	CE 334+ or 335++	3	CE Tech Elect***	3	Elect***	3
CE 343	4	CE 370 R,L	4	CE Tech Elect***	3	CE Tech	3
CE 363	4	CE Lab	4	Engr Sci Elect**	3	Elect***	3
TOTAL	16	Elect****	1	CE Lab Elect****	1	CE Lab	1
				TOTAL	16	Elect****	1
		TOTAL	15			Tier 2 Art/ Hum*	3
						Tier 2 INDV*	3
						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.

* INDV/TRAD/Art/Hum courses must meet University general education requirements. To meet the Tier 2 INDV requirement, it is highly recommended to take one of ECON 200, 201A or 210. 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..

** Engr Sci Elect - ENGR 211P (Engineering Economics) and any 2 of the following: Engr 211I (Dynamics), 211K (Thermodynamics), 211M (Circuits), 211R (Material Science),

*** CE Tech Elect - Select five courses from the list of acceptable technical electives available in the CE office. A minimum of two of the five technical electives must be taken from the list of design-oriented technical electives. Prerequisists for these courses are available in the electronic University Catalog.

**** CE Lab Elect - Complete each of the following laboratory courses: CE 329 (hydraulics), CE 349 (soils), CE 389 (engineering materials). Co-requisits are as follows: CE 329 (CE 218); CE 349 (CE 343), CE 389 (None.)

(+) offered Spring only.

(++) offered Fall only.