

Industrial Engineering (2009 - 10)

Below is the *advised sequencing* of courses for this degree.

FRESHMAN YEAR				SOPHOMORE YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ENGR 102	3	ECE 175	3	SIE 250	3	SIE 265	3
MATH 125 or 124 [#]	3/5	CHEM 152		SIE 277	3	SIE 270	3
CHEM 151	4	or MSE 110 or MCB	4	MATH 223	4	SIE 295S	1
ENGL 101	3	181R/L		PHYS 241	4	ENGR 211***	4
Tier 1 INDV*	3	MATH 129	3	Tier 1 TRAD*	3	Tier 1 INDV*	3
		PHYS 141	4			Tier 1 TRAD*	3
		ENGL 102	3				
TOTAL	16/18	TOTAL	17	TOTAL	17	TOTAL	17

[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
SIE 305	3	SIE 321	3	SIE 431	3	ENGR 498B	3
SIE 340	3	SIE 330R	3	SIE 462	3	Option Elect**	3
SIE 377	3	SIE 370	4	Option Elect**	3	Option Elect**	3
SIE 410A	3	SIE 383	3	ENGR 498A	3	Select from	
ENGL 308	3			Option Elect**	3	list****	3
				Tier 2 INDV*	3	Tier 2 Art/Hum*	3
TOTAL	15	TOTAL	13	TOTAL	18	TOTAL	15

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 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.

**Option electives must be approved by the student's advisor. A list describing all approved electives and recommended options is available in the department office.

*** Four units from ENGR 211 courses. One unit must be Electric Circuits. Engineering Economics may not be taken for credit.

****BNAD 302, PSYC 319, 325, 326, 346, 352, 360, 375, or 376.