

Electrical and Computer Engineering

Electrical Engineering Option (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	3	ECE 274A	4	ECE 220	5
MATH 125 or 122A/B [#]	3/5	PHYS 141	4	MATH 223	4	MATH 254	3
CHEM 151	4	ENGL 102	3	PHYS 241	4	PHYS 143	2
ENGL 101	3	ECE 175	3	ECE 275	3	MATH 243	3
Tier 1 INDV*	3	Tier 1 TRAD*	3	Tier 2 INDV*	3	Tier 1 INDV*	3
TOTAL	16/18	TOTAL	16	TOTAL	18	TOTAL	16

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ECE 320A	3	ECE 304A	4	ENGR 498A	3	ENGR 498B	3
ECE 351C	4	or ECE 330	4	Tech Elect**	12	Tech Elect**	9
ECE 372A	4	ECE 340	3			Tier 2 Art/Hum*	3
ECE 310	4	ECE 381A	4				
		ECE 352	3				
		Tier 1 TRAD*	3				
TOTAL	15	TOTAL	17	TOTAL	15	TOTAL	15

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.

* 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.

** 21 units of technical electives are required. These consist of ECE 369a and other upper-division courses in engineering, math, or science, chosen in consultation with a faculty advisor. 15 units must be in ECE courses.