

Electrical and Computer Engineering

Computer 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 2 INDV*	3			Tier 1 INDV*	3
TOTAL	16/18	TOTAL	16	TOTAL	15	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 330	4	ENGR 498A	3	ENGR 498B	3
ECE 369A	4	ECE 340	3	ECE 475	3	Tech Elect**	9
ECE 373	3	ECE 351C	4	Tech Elect**	9	Tier 2 Art/Hum*	3
ECE 310	4	ECE 372A	4				
Tier 1 TRAD*	3	Tier 1 TRAD*	3				
TOTAL	17	TOTAL	18	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.

** 18 units of technical electives are required. These consist of ECE 304A, 381A, and other upper division courses in engineering, computer science, math, optical sciences, or physics as approved by a faculty advisor.