

Electrical and Computer Engineering

Computer Engineering Option (2009 - 10)

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	CSC 227	4	ECE 274	3	ECE 220	5
ECE 175	3	MSE 110	4	CSC 245	4	CSC 345	4
MATH 125 or 124 [#]	3/5	MATH 129	3	MATH 223	4	MATH 254	3
CHEM 151	4	PHYS 141	4	PHYS 241	4	PHYS 143	2
ENGL 101	3	ENGL 102	3	Tier 1 INDV*	3	Tier 1 INDV*	3
TOTAL	16/18	TOTAL	18	TOTAL	18	TOTAL	17

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ECE 320a	3	ECE 301	2	ENGR 498a	3	ENGR 498b	3
ECE 369	3	ECE 340	3	SIE 305	3	CSC 445	3
ECE 373	3	ECE 351a	3	Tech Elect**	6	or CSC 473	3
MATH 322	3	ECE 372	3	Tier 2 INDV*	3	Tech Elect**	6
Tier 1 TRAD*	3	Tier 1 TRAD*	3			Tier 2 Art/Hum*	3
TOTAL	15	TOTAL	14	TOTAL	15	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/Art/Hum 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.

** 12 units of technical electives are required. These consist of ECE 304, 381, and 400-level courses in engineering, computer science, math, optical sciences, or physics as approved by a faculty advisor.