Electrical and Computer Engineering

Computer Engineering Option (2011-12)

**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 124#	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 27X	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 33X	4	ENGR 498A	3	ENGR 498B	3
ECE 369A	4	ECE 340	3	ECE 47X	3	Tech Elect**	9
ECE 373	3	ECE 351C	4	Tech Elect**	9	Tier 2 Art/Hum*	3
ECE 31X	4	ECE 372A	4				
Tier 1 TRAD*	3	Tier 1 TRAD*	3				
TOTAL	17	TOTAL	18	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 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 400-level courses in engineering, computer science, math, optical sciences, or physics as approved by a faculty advisor.