Electrical 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	MSE 110	4	ECE 274	3	ECE 220	5
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 TRAD*	3	Tier 1 TRAD*	3
Tier 1 INDV*	3	ECE 175	3	Tier 2 INDV*	3	Tier 1 INDV*	3
TOTAL	16/18	TOTAL	17	TOTAL	17	TOTAL	16

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**
ECE 301	2	ECE 304	6	ECE 352	3	ENGR 498b	3
ECE 320a	3	ECE 340	3	ENGR 498a	3	Tech Elect**	9
ECE 351a	3	ECE 372	3	Tech Elect**	12	Tier 2 Art/Hum*	3
SIE 305	3	ECE 381	3				
MATH 322	3						
TOTAL	14	TOTAL	15	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/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.

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