

ELECTRICAL ENGINEERING

Effective 8/09

Chair: Phil Sealy
Office: Engineering Hall 327
Telephone: (608) 342-1536

FIRST YEAR

First Semester				Second Semester			
Dept.	No.	Course	Credits	Dept.	No.	Course	Credits
Math	2640	Calculus & Analytic Geom. I	4	Math	2740	Calculus & Analytic Geom. II	4
Engl	1130	Freshman Composition I	3	Engl	1230	Freshman Composition II	3
Chem	1450	Chemistry for Engineers	5	Phys	2240	General Physics I	4
GE	1000	Engineering Success Skills	1	GE	1030	Intro. To Engr. Projects	1
PE	1000	Fitness Assessment	1	EE	1210	Circuit Modeling I	3
EE	1020	EE Projects and Tools	<u>1</u>	PE	1xxx	Phy. Ed. Activity	<u>1</u>
			15				16

SECOND YEAR

First Semester				Second Semester			
Math	2840	Calculus & Analytic Geom. III	4	Math	3630	Differential Equations I	3
Phys	2340	General Physics II	4	EE	3020	Analog Electronics	4
EE	2210	Circuit Modeling II	4	EE	3770	Logic and Digital Design	4
Spch	1010	Public Speaking	2	Phys	3140	Modern Physics	4
COSC	1430	Programming in C++	<u>3</u>			Hum. or Soc. Sc. Elective	<u>3</u>
			17				18

THIRD YEAR

First Semester				Second Semester			
EE	2220	Signals and Systems	4	EE	3310	Automatic Controls	3
EE		Professional Emphasis Elective	4	EE	3300	Controls Laboratory	1
		Math Elective	3	EE	3140	Electric & Magnetic Fields	4
		Engineering Science Elective	3			Hum. or Soc. Sc. Electives	6
PHIL	2540	Science, Technology & Ethics	<u>3</u>			Engineering Science Elective	<u>3</u>
			17				17

FOURTH YEAR

First Semester				Second Semester			
EE		Professional Emphasis Electives	12	EE		Professional Emphasis Electives	8
		Hum. or Soc. Sc. Elective	3			Hum. or Soc. Sc. Electives	<u>6</u>
GE	2820	Engineering Economy	<u>2</u>				14
			17				

TOTAL CREDITS: 131

Students must receive a 'C' or better from every EE course that is a prerequisite to an EE course. Students also must have an average GPA of 2.00 or higher in EE courses.

All non-EE prerequisites for all EE courses must be completed with a grade of C or better: Calc I, II and III, Differential Equations, Phys II and Modern Physics, COSC 1430C++.

All required EE courses must be completed with a grade of C or better: 1020, 1210, 2210, 3020, 3140, 3300, 3310 and 3770.

Students may get a D in EE 3130, 3410, 3780 as a graduation requirement, but a C for prerequisite of 4000 level courses. A D is allowed in any 4000 level course in EE.