

Electrical & Computer Engineering Emphasis Outline

	Fall Semester		Spring Semester		
Freshman					
ENGR120	Intro to Engineering & Design	2	ENGR180	Material Science	4
ENGR125	Engineering Graphics	3	MATH192	Calculus II	4
Math191	Calculus I	4	ENGR185	Engineering Statics	3
CHEM131	General Chemistry I	4	RELT100	God & Human Life	3
ENGL115	College Writing I	3	COMM104	Communication Skills	3
HLED120/FTES	Fit for Life/or Fitness activity	<u>1</u>			
		17			<u>17</u>
Sophomore					
ENGR225	Circuit Analysis	3	ENGR285	Engineering Dynamics	3
PHYS241/271	Physics for Scientists I	5	ENGR275	Electronics I	3
MATH240	Calculus III	4	MATH286	Differential equations	3
CPTR151	Computer Science I	3	CPTR152	Computer Science II	3
FTES	Physical Fitness Activity	<u>1</u>	PHYS242/272	Physics for Scientists II	<u>5</u>
		16			<u>17</u>
Junior					
MATH215	Linear Algebra	3	ENGR310	Linear Systems Analysis	3
ENGL220/ENGL215	Tech Writing/College Writing II	3	STAT340	Probability and Statistics	3
ENGR335	Logic Circuit Design	3	RELT340	Religion & Ethics in	3
ENGR325	Electronic II	4	ENGR385	Microprocessor Systems	4
GEN ED	Social Sciences	3	GEN ED	History	3
		<u>16</u>	ENGR485	Community Service	<u>2</u>
					18
Senior					
ENGR491	Review of Engineering Design	1	CPTR465	Computer Architecture	3
ENGR450	Engineering Economy	2	ENGR455	Communications Systems	4
ENGR435	Electromagnetic Fields	3	ENGR/CPTR	Engineering Elective	3
ENGR415	Virtual Instrumentation	3	ENGR492	Senior Design Project	3
GEN ED	Religion (RELG, RELB, RELT)	3	GEN ED	Religion (RELG, RELB, RELT)	3
ENGR/CPTR	Engineering Elective	3			
GEN ED	Arts/Humanities	<u>3</u>			
		18			<u>16</u>