

Proposed EE Curriculum

1/9/2007

Freshman

	Fall			Spring	
EE 175	University Experience -- EE	2	EE 180	Digital Circuits	4
MATH126	Calculus I	4.5	MATH227	Calculus II	4.5
	Science Elective	3	PHYS255/256	Physics 1/lab	5
ENG 100	Composition	3	HIST 119/120	Western Civilization	3
COMM 161	BusinessSpeaking	3		Category F Elective	1
		15.5			17.5

Sophomore

	Fall			Spring	
EE 200	EE Design II	1	EE 211	Circuits&Networks II	3
EE 210	Circuits&Networks I	4	EE 220	Intro to Electronics	4
MATH 331	Diff Equations	3	MATH 327	Calculus III	4
PHYS 265	Physics II	4	B-I	Literature	3
CS 239	Prob Solving using Comp	3	ECON 202	Economics	3
A-II	Foreign Language	3			
		18			17

Junior

	Fall			Spring	
EE 380	Microprocessors	4	EE 300	EE Design III	1
MATH 350	Adv Engineering Math	3	ENG 300	Composition	3
EE 473	Intro to EM Fields	3	EE 420	Signals&Linear Sys	3
	Category F Elective	1	STAT 301	Applied Statistics	3
ME 365	Thermal Science for EE	3		Cat C Elective	3
	Category B Elective	3	EE 479	Category E Elective	3
		17		Optoelectronics	2
					18

Senior

	Fall			Spring	
EE 400	EE Design IV	1	EE 401	Capstone Design	3
EE 460	Cont.Control Systems	4		EE Senior Elective II	3
EE 431	Intro to Power Systems	3	EE 450/451	Digital Signal Proc	4
	EE Senior Elective I	4	EE 470/475	Communications	4
EE 405	EE Senior Research Sem	1		Category B Elective	3
EM 221	Statics	3			
		16			17

TOTAL 136

EE Senior Elective

EE 410/411	Computer Design	4	Biology 120
EE 443	Microfabrication and MEMS	3	Chem 116
			Chem 120
EE 432	Power Systems II	3	Env 280
EE 461	Discrete Control Sys	3	Geology 111
EE 462	Special Topics in Control	3	
EE 471	Communications App	3	
EE 480	Digital Design	3	
EE 490	Robotics	3	
EE 477	Num Tech.		

Science Elective

Biological Concepts	3
Intro to College Chemistry	3
College Chemistry I	4
Intro to Environmental Scien	3
The Earth	3