ELECTRICAL ENGINEERING

Courses highlighted below are available at Francis Marion University

Curriculum Example*

		FRESHMA	•					
4 CH 1010 Genera	al Chemistry			CH 1020 General Chemis	strv			
	elerated Composition				-			
2 ENGR 1020 Engineering Discipline and Skills ¹ 4 MATH 1060 Calculus of One Variable I ²				 3 ENGR 1410 Programming and Problem Solving^{1,2} 4 MATH 1080 Calculus of One Variable II² 3 PHYS 1220 Physics with Calculus I² 				
16			17					
		SOPHOMO	REYEAR					
3 CPSC 1110 Introduction to Programming in C ² — 1 ECE 2120 Electrical Engineering Lab. II ²								
2 ECE 2010 Logic and Computing Devices ²				— 3 ECE 2620 Electrical Circuits II ²				
3 ECE 2020 Electric Circuit I ²				3 ECE 2720 Computer Organization ²				
				1 ECE 2730 Computer Organization Laboratory				
4 MATH 2060 Calculus of Several Variables ²				 4 MATH 2080 Int. to Ordinary Differential Eqtns² Gen Ed³ 				
	ics with Calculus II ²		15					
17	ies with calculus in		10					
		JUNIOR	YEAR					
1 ECE 3110 Electr	ical Engineering Lab. III	2	1	ECE 3120 Electrical Engi	neering Lab. IV			
3 ECE 3200 Electronics I ²				3 ECE 3170 Random Signal Analysis ²				
3 ECE 3300 Signals, Systems, and Transforms ²				3 ECE 3210 Electronics II ²				
3 ECE 3600 Electric Power Engineering ²				——————————————————————————————————————				
3 ECE 3800 Electromagnetics ²				——— 1 ECE 3720 Microcontroller Interfacing Lab.				
3 Advanced Math				ECE 3810 Field, Waves, a	-			
16				ENGL 3140 Technical Wr				
			17		5			
		SENIOR	YEAR					
3 COMM 1500 In	tro. to Human Comm. (OR		ECE 4960 Integrated Sys				
3 COMM 2500 Public Speaking								
3 ECE 4090 Intro. to Linear Control Systems ²				——— 6 Electrical Engr. Technical Requirement ⁵				
3 ECE 4270 Comn	nunications Systems							
2 ECE 4950 Integr	ated System Design I ²		3	Special Requirement ⁶				
	Fechnical Requirement	5	14					
14 All Clemson eng	ineering students begin in ou	r General Engineering program	m and move into th	eir specified major once the	126 Total Semester H			
ootnotes: departmental s	tandards are completed. Clei	mson courses ENGL 1030, M	ATH 1060 and 108	0, PHYS 1220, CH 1010, ENGR	1020			
and ENGR 1410				nd starting courses in your en nay be substituted for ENGR 10				
					cisfy later course requirements.			
				ral Awareness and Science and				
equirements.								
MATH 4190, MATH 4340, MATH 4340, MATH 4190, MATH 4340, MATH 4300, MATH 43000, MATH 43000								
CE 4300, ECE 4320, ECE 4360	. ECE 4370, ECE 4380, ECE 44	400, ECE 4420, ECE 4460, ECE	E 4550, ECE 4570, I	ECE 4590, ECE 4600, ECE 4610	.80, ECE 4190, ECE 4200, ECE 42), ECE 4670, ECE 4680, ECE 4730			
				l with an asterisk may be used				
Three additional credits of un evel course from the list of co	niversity or college approved urses in footnote 5 above; or	Arts and Humanities or Socia a course selected from the f	al Science courses; following list: ECE 4	or ELE 3010 or ELE 4010; or a 310, ECE 4490; or one additio	ny additional three-credit, 4000 nal course selected from MATH			
110, MATH 4120, MATH 4190), MATH 4340, MATH 4350, M	MATH 4400, MATH 4410, MA	ATH 4530 or MATH	4540.				
		General Educatio	on Requireme	nts				
	Non-Lit		S2	CCA	STS			
LIT	NOII-LIL	SS1 S	JZ	LLA	212			

LIT	Non-Lit	SS1	SS2		CCA	STS
			Other			
LIFE	Palmetto Fellows	Honors	Athlete	RiSE	ROTC	Med School

Comments: