ELECTRICAL ENGINEERING

Courses highlighted below are available at Erskine Curriculum Example*

FRESHMAN YEAR								
4 CH 1010 General Chemistry	4 CH 1020 General Chemistry							
3 ENGL 1030 Accelerated Composition	3 ENGR 1410 Programming and Problem Solving ^{1,2}							
2 ENGR 1020 Engineering Discipline and Skills ¹	4 MATH 1080 Calculus of One Variable II ²							
4 MATH 1060 Calculus of One Variable I ²	3 PHYS 1220 Physics with Calculus I ²							
3 Gen Ed ³	3 Gen Ed ³							
16	17							
SOPHOMORI	E YEAR							
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 2090 Logic and Computing Devices Lab.	1 ECE 2730 Computer Organization Laboratory							
1 ECE 2110 Electrical Engineering Lab. I ²	4 MATH 2080 Int. to Ordinary Differential Eqtns ²							
4 MATH 2060 Calculus of Several Variables ²	3 Gen Ed ³							
3 PHYS 2210 Physics with Calculus II ²	15							
17								
JUNIOR YI	EAR							
1 ECE 3110 Electrical Engineering Lab. III ²	1 ECE 3120 Electrical Engineering 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 3710 Microcontroller Interfacing ²							
3 ECE 3800 Electromagnetics ²	1 ECE 3720 Microcontroller Interfacing Lab.							
3 Advanced Mathematics Requirement ⁴	3 ECE 3810 Field, Waves, and Circuits ²							
16	3 ENGL 3140 Technical Writing							
	17							
SENIOR Y								
3 COMM 1500 Intro. to Human Comm. OR	2 ECE 4960 Integrated System Design II							
3 COMM 2500 Public Speaking	3 Gen Ed ³							
3 ECE 4090 Intro. to Linear Control Systems ²	6 Electrical Engr. Technical Requirement ⁵							
3 ECE 4270 Communications Systems								
2 ECE 4950 Integrated System Design I ²	3 Special Requirement ⁶							
3 Electrical Engr. Technical Requirement ⁵	14							
All Clemson engineering students begin in our General Engineering program: departmental standards are completed. Clemson courses ENGL 1030, MATH- and ENGR 1410/or CHE 1300 must all be completed with a "C" or higher befo	H 1060 and 1080, PHYS 1220, CH 1010, ENGR 1020 ore declaring and starting courses in your engineering major.							
This course must be passed with a grade of C or better either to transfer into Electrical E See General Education section. Six of these credit hours must also satisfy General Educa Requirements.								
MATH 4190, MATH 4340, MATH 4350, MATH 4530 or MATH 4540 Nine credits selected from BIOE 3700, BIOE 4310, BIOE 4350, BIOE 4710, ECE 2220, ECE ECE 4300, ECE 4320, ECE 4360, ECE 4370, ECE 4380, ECE 4400, ECE 4420, ECE 4460, ECE 4	4550, ECE 4570, ECE 4590, ECE 4600, ECE 4610, ECE 4670, ECE 4680, ECE 4730,							
Three additional credits of university or college approved Arts and Humanities or Social Science courses; or ELE 3010 or ELE 4010; or any additional three-credit, 4000-level course from the list of courses in footnote 5 above; or a course selected from the following list: ECE 4310, ECE 4490; or one additional course selected from MATH 3110, MATH 4120, MATH 4190, MATH 4340, MATH 4350, MATH 4400, MATH 4410, MATH 4530 or MATH 4540.								
*See catalog for current curriculum at catalog.clemson.edu								

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

Comments: