Electrical Engineering
Bachelor of Science Degree Curriculum year 2014-2016
ONLINE AVAILABILITY

Color code:

Green: Lecture courses currently available online from Clemson

Blue: ECE labs which can be taken online from Clemson if the student purchases lab equipment.

Purple: Courses which may be taken online from Clemson if your project proposal is approved by ECE Undergraduate Program Coordinator

Grey: Courses which are not currently available online from Clemson.

FRESHMAN YEAR

Fall semester	Cr	Term completed	Spring semester	Cr	Term completed
ENGR 1050 Engr Discipline & Skills I	1		*CH 1020 & 1021 Gen Chemistry II	4	
ENGR 1060 Engr Discipline & Skills II	1		ENGR 1070 Program & Prob Slvng I	1	
*CH 1010 & 1011 General Chemistry	4		ENGR 1080 Program & Prob Slvng II	1	
ENGL 1030 Accelerated Composition	3		ENGR 1090 Program & Prob Slvng III	1	
*MATH 1060 Calculus I	4		A&H - Non-Lit	3	
A&H - Lit	3		*MATH 1080 Calculus II	4	
			*PHYS 1220 Physics with Calculus I	3	
	16			17	

SOPHOMORE YEAR

Fall semester	Cr	Term completed	Spring semester	Cr	Term completed
*CPSC 1110 & 1111 C/C++	3		ECE 2120 Electrical Engr Lab II	1	
ECE 2010 Logic & Computing Devices	2		ECE 2620 Electric Circuits II	3	
ECE 2020 Electric Circuits I	3		ECE 2720 Computer Organization	3	
ECE 2090 Logic Lab	1		ECE 2730 Computer Org Lab	1	
ECE 2110 Electrical Engineering Lab I	1		**MATH 2080 Differential Equations	4	
**MATH 2060 Calculus III	4		Hum/Soc Sci req	3	
PHYS 2210 Physics with Calculus II	3				
	17			15	

JUNIOR YEAR

Fall semester	Cr	Term completed	Spring semester	Cr	Term completed
ECE 3110 Electrical Engr Lab III	1		ECE 3120 Lab IV	1	
ECE 3200 Electronics I	3		ECE 3170 Random Signal	3	
ECE 3300 Signals, Sys, & Transforms	3		ECE 3210 Electronics II	3	
ECE 3600 Electric Power Engineering	3		ECE 3710 Microcntrllr Interfacing	3	
ECE 3800 Electromagnetics	3		ECE 3720 Microcontroller Lab	1	
Adv. Mathematics Elective [1]	3		ECE 3810 Fields, Waves & Circuits	3	
			ENGL 3140 Technical writing	3	
	16			17	

SENIOR YEAR

Fall semester	Cr	Term completed	Spring semester	Cr	Term completed
COMM 1500 or COMM 2500	3		ECE 4960 Systems Design II	2	
ECE 4090 Cont &Discrete Sys Design	3		EE Technical Elective OR	3	
ECE 4270 Communications Systems	3		Hum/Soc Sci req		
ECE 4950 Systems Design I	2		EE Technical Elective	3	
EE Technical Elective	3		Hum/Soc Sci req	3	
			Special Elective [2]	3	
	14			14	

*"Courses on the Preliminary Application Form that must be completed before applying for admissions as a transfer student to Clemson."

**Additional courses on the Preliminary Application Form that we recommend you complete before applying for admission as a transfer student to Clemson. 30'

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  c05"cf f kkkqpcri'etgf ku'qh'cr r tqxgf "J wo cpkkguI Uqekcri'Uekgpeg'eqwtugu++qt

  d0'GNG'5232"/'Gzgewkxg'Ngcf gtuj kr 'cpf 'Gpvtgr tgpgwtuj kr 'Kqt 'GNG'6232"/'Gzgewkxg'Ngcf gtuj kr 'cpf 'Gpvtgr tgpgwtuj kr 'KK+'qt

  e0'Cp'cf f kkkqpcri'5/etgf kv'622/ngxgri'eqwtug'htqo "yj g'GG'Vgej plecri'Gngekxkg'Nkuv+'yj g'Er G'Vgej plecri'Gngekxkg'Nkuv++qt

  f 0'Cp'cf f kkkqpcri'5/etgf kv'O CVJ "eqwtug'htqo "yj g'hqmqy kpi "kkuv+O CVJ "5332"*Nkpgct'Cri gdtc+.'O CVJ "6342"*Kpvtq0'q qf gtp'Cri gdtc+.'O CVJ "63; 2"Fkuetgvg'O cyj "K+.'O CVJ "6562"*Cf xcpegf 'Gpi kpggtkpi 'O cyj +.'O CVJ "6572"*Eqo r ngz'Xctkdngu+.'O CVJ "6622"*Nkpgct'Rtqi tco o kpi +.'O CVJ "6632"*Kpvtq0'q'Uqej cuke'O qf gnu++cpf 'O CVJ "6752"*Cf xcpegf 'Ecrewnxu'K+.'O CVJ "6762"*Cf xcpegf 'Ecrewnxu'KK+0