ELECTRICAL ENGINEERING CURRICULUM SHEET | FALL 2015

FRESHMAN (35)

	FALL			SPRING	
ELCT 101*	Electronics & Electronics Engr.	3	ELCT 102*	Electrical Science	3
CHEM 111 &L*	SCI: General Chemistry I and Lab	4	PHYS 211 &L*	SCI: Essentials of Physics I & Lab	4
ENGL 101*	CMW: Critical Reading & Comp.	3	ENGL 102*	CMW: Rhetoric & Composition	3
MATH 141*	ARP: Calculus I	4	MATH 142*	ARP: Calculus II	4
ELECTIVE	AIU: Aest. & Intr. Understanding	3	CSCE 145*	Intro Algorithmic Design I	4
		17			18

SOPHOMORE (35)

	FALL			SPRING	
CSCE 211*	Digital Logic Design	3	CSCE 212*	Intro. Computer Architecture	3
CSCE 146	Intro. Algorithmic Design II	4	EMCH 220	Intro. To Mechanical Engr.	3
ELCT 221*	Circuit Theory	3	ELCT 201*	Introductory EE Lab	3
PHYS 212 &L*	Essentials of Physics II & Lab	4	ELCT 222*	Signals and Systems	3
MATH 242*	Elem. Differential Equations	3	MATH 241*	Vector Calculus	3
		17	STAT 509	Statistics for Engineers	3
					18

JUNIOR (33)

	FALL			SPRING	
ELCT 301	Electronics Laboratory	3	ELCT 302	Control Systems Laboratory	3
ELCT 321	Digital Signal Processing	3	ELCT 331	Control Systems	3
ELCT 363	Intro. Microelectronics	3	ELCT 350	Comp. Modeling Elect. Sys.	3
ELCT 371	Electronics	3	ELCT 361	Electromagnetics	3
ECON 421	Engineering Economics	3	ELECTIVE	GHS: Historical Thinking	3
ELECTIVE	GSS: Social Science	3			15
		18			

SENIOR (24)

	FALL			SPRING	
ELCT 403	Capstone Design Project I	3	ELCT 404	Capstone Design Project II	3
Career	Plan Elective	3	Career	Plan Elective	3
Career	Plan Elective	3	Career	Plan Elective	3
ELECTIVE	VSR: Values Ethics Social Resp	3	Career	Plan Elective	3
		12			12

ADDITIONAL REQUIREMENTS (0-12)

These additional University requirements may be satisfied through overlay courses, by placement testing, or by stand alone courses beyond the curriculum requirements above.

CMS Effective, Engaged, and Persuasive Communication: Spoken Component

PHIL 325 (CMS/VSR overlay) or any approved overlay or stand-alone Carolina Core CMS course.

INF Information Literacy

USC's ENGL 102 or any approved overlay or stand-alone Carolina Core course for INF.

GFL Global Citizenship and Multicultural Understanding: Foreign Language

Score of two or better on foreign language test, or equivalent study of approved Carolina Core GFL course(s).

* Indicates a lower division course to be completed before junior level courses.

Career Plan Electives (15 hrs)

The student, in consultation with his or her advisor, will select 15 hours of electives, that support the student's defined career plan. Not more than 6 hours of these electives may be from another discipline, and all must be at or above the 300-level.

Curriculum Notes

C or better is required in ENGL 101,102, MATH 141, 142, PHYS 211 & Lab, ELCT 221, CSCE 145, CSCE 211.