COMPUTER ENGINEERING CURRICULUM SHEET | FALL 2015

FRESHMAN (31)

	FALL				SPRING	
CSCE 145*	Intro. Algorithmic Design I	4		CSCE 146*	Intro. Algorithmic Design II	4
CSCE 190*	Computing in Modern World	1		CSCE 215*	UNIX/Linux Fundamentals	1
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
CHEM 111&L*	SCI: General Chemistry I & Lab	4		ELECTIVE	AIU: Aest. & Intr. Understanding	3
		16				15

SOPHOMORE (32)

	FALL				SPRING	
CSCE 211*	Digital Logic Design	3		CSCE 212*	Intro to Comp. Architecture	3
CSCE 274*	Robotic Applications & Design	3		CSCE 240*	Intro. to Software Engineering	3
MATH 241*	Vector Calculus	3		PHYS 212&L*	Essentials of Physics II & Lab	4
PHYS 211&L*	SCI: Essentials of Physics I & Lab	4		MATH 242*	Elem. Differential Equations	3
ELCT 102*	Electrical Science	3		ELCT 221*	Circuits	3
		16				16

JUNIOR (31)

	FALL				SPRING	
CSCE 311	Operating Systems	3		CSCE 313	Embedded Systmes	3
MATH 374	Discrete Structures	3		CSCE 317	Systems Engineering	3
ELCT 222	Signals and Systems	3		CSCE 350	Data Structures & Algorithms	3
SPCH 140	Public Communication [meets CMS]	3		CSCE 390	Prof. Issues in CSCE [meets VSR]	1
STAT 509	Statistics for Engineers	3		ELCT 371	Electronics	3
		15		ENGL 462/3	Techical/Business Writing	3
						16

SENIOR (30)

	FALL				SPRING	
CSCE 490	Capstone Software Engr. Proj. I	3		CSCE 492	Capstone Software Engr. Proj. II	3
CSCE 416	Networks	3		CSCE xxx	CSCE Elective	3
CSCE 611	Advanced Digital Design	3		CSCE xxx	CSCE Elective	3
CSCE xxx	CSCE Elective	3		MATH 5xx	Math Elective	3
ELECTIVE	GSS: Social Science	3		ELECTIVE	GHS: Historical Thinking	3
		15				15

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.

INF Information Literacy

USC's ENGL 102 or other approved Carolina Core INF overlay or stand alone course.

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.

CSCE Major Electives (9 hours)
CSCE 330, 355, ELCT 321, ELCT 331, and oter approved CSCE courese numbered 510 or higher.

MATH Elective (3 hours)
MATH 526, 527, 544, or CSCE 561. Other couses in linear algebra or numerical analysis may be substitued with permission of the department.

Curriculum Notes
C or better is required in ENGL 101, 102, MATH 141, 142, 374, PHYS 211 & L, and all CSCE courses.

CSCE 101 and 102 are not degree applicable.
MATH 174 **is not** a substitute for MATH 374.