

## COMPUTER ENGINEERING CURRICULUM SHEET | FALL 2016

### 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	Technical/Business Writing	3
					16

### SENIOR (31)

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 344/L	Applied Linear Algebra	4
ELECTIVE	GSS: Social Science	3	ELECTIVE	GHS: Historical Thinking	3
		15			16

### 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**

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).

**CSCE Major Electives (9 hours)**

CSCE 330, 355, ELCT 321, ELCT 331, and other approved CSCE courses numbered 510 or higher.

**Curriculum Notes**

C or better is required in ENGL 101, 102, MATH 141, 142, 374, PHYS 211 & L, ELCT 221, and all CSCE courses.

CSCE 101 and 102 are not degree applicable.

MATH 174 **is not** a substitute for MATH 374.