

COMPUTER SCIENCE 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 & Composition	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	Science*	SCI: Lab Sci (CHEM or PHYS)	4
15			16		

SOPHOMORE (32)

FALL			SPRING		
CSCE 211*	Digital Logic Design	3	CSCE 212*	Intro to Comp. Architecture	3
CSCE 240*	Intro. to Software Engineering	3	Science	Laboratory Science	4
MATH 374*	Discrete Structures	3	MATH 241	Vector Calculus	3
SPCH 140	Public Communication [meets CMS]	3	ELECTIVE	GSS: Social Science	3
Science	SCI: Laboratory Science	4	ELECTIVE	GHS: Historical Thinking	3
16			15		

JUNIOR (31)

FALL			SPRING		
CSCE 311	Operating Systems	3	CSCE 416	Intro. to Computer Networks	3
CSCE 330	Prog. Language Structures	3	STAT 509	Statistics for Engineers	3
CSCE 350	Data Structures & Algorithms	3	ELECTIVE	Liberal Arts Elective	3
CSCE 390	Prof. Issues in CSCE [meets VSR]	1	ELECTIVE	Liberal Arts Elective	3
ENGL 462/3	Technical or Bus Writing	3	Application	Area Elective	3
Application	Area Elective	3			
16			15		

SENIOR (28)

FALL			SPRING		
CSCE 490	Capstone Software Engr Proj I	3	CSCE 492	Capstone Software Engr Proj II	3
CSCE 355	Fundamentals of Computation	3	CSCE xxx	CSCE Elective	3
CSCE xxx	CSCE Elective	3	CSCE xxx	CSCE Elective	3
MATH 526	Numerical Linear Algebra	4	ELECTIVE	Liberal Arts Elective	3
Application	Area Elective	3			
16			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.

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 317 or any CSCE course 510 or higher

Application Area (9 hours)

See the CSCE department website for application area / cluster information.

A minor (18 hours) can replace the application area electives.

Curriculum Notes

C or better is required in ENGL 101, 102, MATH 141, 142, CHEM 111 or PHYS 211 & L, MATH 374 and all CSCE courses.

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

CSCE 101 and 102 are not degree applicable.

SCI: Scientific Literacy (12 hours)

Must include either CHEM 111 & L and CHEM 112 & L or PHYS 211 & L and PHYS 212 & L.

An additional 4 hours must be selected from the following list: BIOL 101 & L, CHEM 111 & L, PHYS 211 & L, GEOL 101, 201, 202, or MSCI 101, 102.