

COMPUTER SCIENCE BACHELOR OF SCIENCE Curriculum as reflected in the Fall 2005 Catalog (120 hours)
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FRESHMAN (31)

FALL			SPRING		
CSCE 145	Intro. Algorithmic Design I	4	CSCE 146	Intro. Algorithmic Design II	4
ENGL 101	English Composition	3	ENGL 102	Composition & Literature	3
Liberal Arts	Liberal Arts/Foreign Lang.(1)	3	MATH 142	Calculus II	4
Liberal Arts	Fine Arts Elective (1)	3	Liberal Arts	Liberal Arts/Foreign Lang. (1)	3
MATH 141	Calculus I	4			
		17			14

SOPHOMORE (31)

FALL			SPRING		
CSCE 211	Digital Logic Design	3	CSCE 212	Intro. Computer Architecture	3
CSCE 245	Object-Oriented Prog. Tech.	3	CSCE 240	Intro. Software Engineering	3
MATH 374	Discrete Math	3	Science	Laboratory Science (2)	4
SPCH 140	Public Communication	3	MATH 241	Vector Calculus	3
Liberal Arts	History Elective (1)	3	Liberal Arts	Social Science Elective (1)	3
		15			16

JUNIOR (32)

FALL			SPRING		
CSCE 311	Operating Systems	3	CSCE 330	Programming Lang. Structures	3
CSCE 350	Data Structures & Algorithms	3	CSCE 355	Fundamentals of Computation	3
ENGL 462/3	Technical or Bus. Writing	3	STAT 509	Statistics for Engineers	3
Application	Area Elective (3)	3	Application	Area Elective (3)	3
PHYS 211	Essentials of Physics I	3	PHYS 212	Essentials of Physics II	3
PHYS 211L	Essentials of Physics I Lab	1	PHYS 212L	Essentials of Physics II Lab	1
		16			16

SENIOR (26)

FALL			SPRING		
CSCE 390	Prof. Issues in Com. Science	1	CSCE 492	Capstone Software Engr. Proj.	3
CSCE 416	Networks	3	CSCE xxx	CSCE Elective (4)	3
CSCE xxx	CSCE Elective (4)	3	CSCE xxx	CSCE Elective (4)	3
MATH 526	Numerical Linear Algebra	4	Liberal Arts	Liberal Arts Elective (1)	3
Application	Area Elective (3)	3			
		14			12

1. The liberal arts courses must include at least one history course, one fine arts course, and one social science course. In addition, demonstrated proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required. Up to six hours of foreign language may be counted towards the liberal arts requirement.

2. The laboratory science course must be selected from the following list: BIOL 101, CHEM 111, GEOL 201, 202 or MSCI 101/102.

3. A list of approved application areas may be obtained from the department or Student Services.

4. Nine hours of CSCE electives: CSCE 317 or any CSCE course 510 or higher.

