

COMPUTER SCIENCE BACHELOR OF SCIENCE

Fall 2002 Curriculum (122 hours)

FRESHMAN (30)					
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 141	Calculus I	4
Liberal Arts	History Elective (1)	3	Liberal Arts	Liberal Arts/Foreign Lang. (1)	3
MATH 174	Discrete Math for Comp. Sci.	3			
		16			14
SOPHOMORE (32)					
FALL			SPRING		
CSCE 211	Digital Logic Design	3	CSCE 245	Object-Oriented Prog. Tech.	3
CSCE 240	Intro. Software Engineering	3	CSCE 212	Intro. Computer Architecture	3
MATH 142	Calculus II	4	Science	Laboratory Science (2)	4
SPCH 140	Public Communication	3	MATH 241	Vector Calculus	3
Liberal Arts	Social Science Elective	3	Liberal Arts	Fine Arts Elective	3
		16			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 (28)					
FALL			SPRING		
CSCE xxx	CSCE Elective (4)	3	CSCE 492	Capstone Software Engr. Proj.	3
CSCE xxx	CSCE Elective (4)	3	CSCE xxx	CSCE Elective (4)	3
CSCE 390	Prof. Issues in Com. Science	1	CSCE xxx	CSCE Elective (4)	3
MATH 526	Numerical Linear Algebra	4	Liberal Arts	Liberal Arts Elective (1)	3
Application	Area Elective (3)	3	Elective	Free Elective	2
		14			14
<p>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.</p> <p>2. The laboratory science course must be selected from the following list: BIOL 101, CHEM 111, GEOL 101, or MSCI 111.</p> <p>3. A list of approved application areas may be obtained from the department or Student Services.</p> <p>4. Any CSCE course numbered 510 or higher.</p>					
Jun-2002					

Liberal Arts Requirements: (30 hours)

ENGL 101 and 102 (6 hours): required and must be completed with a "C" or better grade

ENGL 462 (3 hours): required

SPCH 140 (3 hours): required

History (3 hours): Courses listed below:

HIST any course

ARMY 406, 407 (Army Cadets Only)

NAVY 303 (Midshipmen Only)

Fine Arts (3 hours): Courses listed below:

ARTE 101

ARTH 105, 106*

THEA 200, 561, 562

MUSC 110, 140, 145, any MUSC history course above 300

Social Science (3 hours): Courses listed below

ANTH	Any course
ECON	221, 222, 224*
GEOG	103, 121, any course 200
GINT	Any course
PSYC	101, 103, 300* (except 570 through 599)
SOCY	101, 300*

Select nine (9) additional credit hours from courses listed below:

AERO	401, 402, (POC Cadets Only)
AFRO	201, 202, 335
ANTH	Any course
CPLT	Any course
ECON	221, 222, 224*
ENGL	Any course above 102 (except 460-465)
FORL	121 *(except 315, 575, and FORL 510)--(a
GEOG	103, 121, any course 200
GINT	Any course
LASP	Any course
LING	300*
PHIL	102 * (except 110 and 111)
PSYC	101, 103, 300* (except 570 through 599)
RELG	Any course
SOCY	101, 300*

* All advanced courses in the field are acceptable, provided the student meets prerequisites.