

COMPUTER SCIENCE BACHELOR OF SCIENCE

Fall 2003 Curriculum (120 hours)

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	Liberal Arts	Liberal Arts/Foreign Lang. (1)	3
MATH 141	Calculus I	4	MATH 142	Calculus II	4
Liberal Arts	History Elective (1)	3			
		17			14
SOPHOMORE (31)					
FALL			SPRING		
CSCE 211	Digital Logic Design	3	CSCE 212	Intro. Computer Architecture	3
CSCE 240	Intro. Software Engineering	3	CSCE 245	Object-Oriented Prog. Tech.	3
MATH 374	Discrete Math	3	MATH 241	Vector Calculus	3
SPCH 140	Public Communication	3	Science	Laboratory Science (2)	4
Liberal Arts	Social Science Elective	3	Liberal Arts	Fine Arts Elective	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 Comp. Eng.	1	CSCE 492	Capstone Software Engr. Proj.	3
CSCE xxx	CSCE Elective (4)	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
<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 201, 202 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>					
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Liberal Arts Requi	
English and Spee	
ENGL 101 and 102	
ENGL 462 or 463	
SPCH 140 (3 hou	
History (3 hours):	
HIST 101-109, 110	
ARMY 406, 407 (J	
NAVY 303 (Midsh	
Fine Arts (3 hours): Recommended courses:	
Artistic skills courses will not count for fine arts.	
ARTE 101, ARTH 105, 106	
THEA 200, 561, or 562	
MUSC 110, 140	
Social Science (3 hours): Recommended courses:	
ANTH	101, 102
ECON	224
GEOG	103
GINT	101-201
PSYC	101, 103, (not 227, 570 - 599)
SOCY	101 (not 220)
WOST	112 (only)
Foreign Language Demonstratio of proficiency in one foreign language equivalent to passing	
the 122 exit exam is required. Proficiency can be passed by a score of "4" on phase I of FL test and passing phase II, or taking through 122 in the same FL. Only 6 hours will be counted as Liberal arts credit.	
Select additional Liberal Arts courses to reach 30 total hours. Recommended courses:	
AFRO	201, 202
CLASS	220, 230
ENGL	270-286 (prerequisites ENGL 101/102, not ENGL 461-463)
FORL	Either a higher-level course in the language in which you passed the proficiency test (not below 201; not 315 or 575) or a course in a different language.
HIST	Recommended courses listed above
PHIL	102 (Not 110, 111, 511)
RELG	110
WOST	111, 112 only
Fine Arts	Recommended courses listed above
Social Science	Recommended courses listed above
CPLT	Check prerequisites, all courses require ENGL 101 and 102
LING	not recommended for freshmen, check pre-requisites
LASP	not recommended for freshmen, check pre-requisites
Southern Studies	SOST, not recommended for freshmen, check pre-requisites
AERO	401, 402 (POC Cadets only)
Higher number courses may also be acceptable. Honors students are encouraged to take SCCC courses that are cross-listed with appropriate Liberal Arts courses. Other SCCC courses may also be acceptable and are evaluated on a case-by-case basis.	
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