

COMPUTER SCIENCE BACHELOR OF SCIENCE

Fall 2004 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	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
<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 101/102.</p> <p>3. A list of approved application areas may be obtained from the department or Student Services.</p> <p>4. Nine hours of CSCE electives: CSCE 317 or any CSCE course 510 or higher.</p>					
Revised Fall 2004					

Liberal Arts Requirements: (30 hours)	
English and Speech (12 hours) Required courses:	
ENGL 101 and 102 (6 hours): must be completed with a "C" or better grade	
ENGL 462 or 463 (3 hours)	
SPCH 140 (3 hours)	
History (3 hours): Recommended courses:	
	HIST 101-109, 111, 112
	ARMY 406, 407 (Army Cadets Only. Cross-listed to HIST 468 & 597)
	NAVY 303 (Midshipmen Only)
Fine Arts (3 hours): Recommended courses:	
Artistic skills courses will not count for fine arts.	
ARTE 101	DANC 101
ARTH 105, 106	FILM 240
THEA 200, 561, or 562	
MUSC 110, 140	
Social Science (3 hours): Recommended courses:	
ANTH	101, 102
CRJU	101
ECON	224
GEOG	103, 121
POLI	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 achieved 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
CLAS	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 11, 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.	