

COMPUTER ENGINEERING BACHELOR OF SCIENCE

Fall 2002 Curriculum (122 hours)

FRESHMAN (32)

FALL			SPRING		
CSCE 145	Intro. Algorithmic Design I	4	CSCE 146	Intro Algorithmic Design II	4
CHEM 111	General Chemistry	4	ENGL 102	Composition & Literature	3
ENGL 101	English Composition	3	MATH 142	Calculus II	4
MATH 141	Calculus I	4	MATH 174	Discrete Math for CS	3
			Liberal Arts	Social Science	3
		15			17

SOPHOMORE (32)

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 241	Vector Calculus	3	MATH 242	Differential Equations	3
PHYS 211	Essentials of Physics I	3	ELCT 221	Circuits	3
PHYS 211L	Essentials of Physics I Lab	1	PHYS 212	Essentials of Physics II	3
ELCT 102	Intro. Instrument Control	3	PHYS 212L	Essentials of Physics II Lab	1
		16			16

JUNIOR (31)

FALL			SPRING		
CSCE 311	Operating Systems	3	CSCE 313	Embedded Systems Lab	3
CSCE 350	Data Structures & Algorithms	3	CSCE 355	Theory of Computation	3
SPCH 140	Public Speaking	3	CSCE 390	Prof. Issues in Com.Science	1
ELCT 222	Systems and Signals	3	STAT 509	Statistics for Engineers	3
Liberal Arts	History	3	ELCT 371	Electronics I	3
			ENGL 462/3	Tech/Bus. Writing	3
		15			16

SENIOR (27)

FALL			SPRING		
CSCE 491	Capstone Comp.Sys.Proj.	3	CSCE 492	Capstone Software Engr. Proj.	3
CSCE xxx	CSCE elective	3	ELCT 321	Digital Signal Processing	3
CSCE xxx	CSCE elective	3	CSCE xxx	CSCE elective	3
MATH xxx	MATH elective	3	CSCE xxx	CSCE elective	3
Liberal Arts	Fine Arts	3			
		15			12

Math Elective: (3 hours) MATH 526 or MATH 527 or MATH 544 or CSCE 561. Other courses in linear algebra or num

CSCE Electives: (12 hours) See department for approved CSCE elective courses. Currently CSCE 330, ELCT 331, and most CSCE course numbered 510 or higher are approved. CSCE 561 satisfies the requirement as

Liberal Arts: (9
See reverse side

Liberal Arts Requirements: (15 hours)	
ENGL 101 and 102 (6 hours): required and must be completed with a "C" or better grade	
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, 200*
GINT	Any course
PSYC	101, 103, 300* (except 570 through 599)
SOCY	101, 300*
* All advanced courses in the field are acceptable, provided the student meets prerequisites.	
Foreign Language Requirement (6 hours): May be satisfied by scoring a "2" or higher on the Foreign Language Placement Test	
Jun-2002	