

COMPUTER ENGINEERING BACHELOR OF SCIENCE

Fall 2003 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	ELCT 102	Intro. Instrument Control	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
MATH 374	Discrete Math	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 Comp. Eng.	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 courses numbered 510 or higher are approved. CSCE 561 satisfies the requirement as

Liberal Arts: (9

See reverse side

Liberal Arts Requirements: (21 hours)

The following courses are required: (12 hours)

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): Courses listed below:

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 skill courses will not count for fine arts credit.

ARTE 101

ARTH 105, 106

THEA 200, 561, 562

MUSC 110, 140, (music history and literature)

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 - Demonstration of the ability to comprehend the topic and main ideas in written

and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. Proficiency is demonstrated by passing the FL test with a score of "2" or higher, or by taking 109/110 in GERM, LATN, SPAN, or FREN, or by taking the 121 in one of the other languages offered.

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.

Revised 5/23/2003