

<b>BACHELOR OF COMPUTER SCIENCE</b> <b>Curriculum as reflected in the Fall 2008 Catalog (125 hours)</b>
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**FRESHMAN (30)**

<b>FALL</b>			<b>SPRING</b>		
CSCE 145	Intro. Algorithmic Design I	4	CSCE 146	Intro. Algorithmic Design II	4
CSCE 190	Computing in Modern World	1	CSCE 215	UNIX/Linux Fundamentals	1
ENGL 101	Critical Reading & Composition	3	ENGL 102	Rhetoric & Composition	3
Liberal Arts	Liberal Arts (1)	3	MATH 142	Calculus II	4
MATH 141	Calculus I	4	Liberal Arts	Liberal Arts - Fine Arts (1)	3
		15			15

**SOPHOMORE (31)**

<b>FALL</b>			<b>SPRING</b>		
CSCE 211	Digital Logic Design	3	CSCE 212	Intro. Computer Architecture	3
CSCE 240	Intro. Software Engineering	3	CSCE 2xx	CSCE Lower Division Elective	3
MATH 374	Discrete Structures	3	Science	Laboratory Science (2)	4
SPCH 140	Public Communication	3	MATH 241	Vector Calculus	3
Liberal Arts	Liberal Arts - History (1)	3	Liberal Arts	Liberal Arts - Social Science (1)	3
		15			16

**JUNIOR (32)**

<b>FALL</b>			<b>SPRING</b>		
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
Science	Laboratory Science (2)	4	Science	Laboratory Science (2)	4
		16			16

**SENIOR (32)**

<b>FALL</b>			<b>SPRING</b>		
CSCE 490	Capstone Software Engr. Proj. I	3	CSCE 492	Capstone Software Engr Proj. I	3
CSCE 390	Prof. Issues in CSCE	1	CSCE xxx	CSCE Elective (4)	3
CSCE 416	Intro. to Computer Networks	3	CSCE xxx	CSCE Elective (4)	3
CSCE xxx	CSCE Elective (4)	3	Liberal Arts	Liberal Arts (1)	3
MATH 526	Numerical Linear Algebra	4	Application	Area Elective (3)	3
Liberal Arts	Liberal Arts (1)	3			15
		17			

1. The liberal arts courses must include at least one history course, one fine arts course, and one social science course. See reverse side for a list of approved liberal arts courses.
  
2. The laboratory science course must include either CHEM 111 and 112 or PHYS 211/L & 212/L for 8 hours. An additional 4 hours must be selected from the following list: BIOL 101/L, CHEM 111, PHYS 211/L, GEOL 201, 202 or MSCI 101/102.
  
3. A list of approved application areas may be obtained from the department or Student Services.
  
4. Nine hours of CSCE electives: CSCE 317 or any CSCE course 510 or higher.
  
5. CSE Lower Division Elective options currently include CSCE 204, 205, 206, 207, and 242

## **Liberal Arts Requirements: ( 30 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)

NAVY 303 (Midshipmen Only)

### **Fine Arts ( 3 hours): Recommended courses:**

ARTE 101

ARTH 105, 106, 313 - 366

ARTS 103 – 112, 235, 241, 255, 258, 260, 261

DANC 101, 150, 250, 300, 377, 380, 381

MUSC 110, 114, 115, 140

FILM 180, 240, 365, 366, 555, 597

MART 110, 201, 341

THEA 170, 200, 230, 240, 252, 253, 280, 283, 288, 359, 372, 480, 481, 550, 561, 562, 565

### **Social Science (3 hours):Recommended courses:**

ANTH any course numbered 100 – 499 except ANTH 399, 498, 499

CRJU any course numbered 100 – 499 except CRJU 301, 399, 494

ECON any course numbered 100 – 499 except ECON 399, 421, 499

GEOG any course 100 – 499 except GEOG 200, 201, 202, 341, 345, 349, 363, 399, 498, 499

LASP 201, 301, 311, 312, 315, 322, 325, 331, 351, 425, 451 only

LING 300, 340, 442, 540 541, 542, 543, 545, 567, 570, 600 only

POLI any course numbered 100 – 499 except POLI 379, 391, 399, 400, 498, 499

PSYC any course 100 – 499 except PSYC 226, 227, 228, 399, 489, 498

SOCY 101 (not 220)

SOST 301, 305

WOST 112, 210, 300, 301, 304, 305, 307, 308, 310, 351, 352, 358, 454, 525, 554, 555

### **Foreign Language - Demonstrate 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 121 in one of the other languages offered.

### **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 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)

Other 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.