

BACHELOR OF COMPUTER SCIENCE Curriculum as reflected in the Fall 2010 Catalog (125 hours)
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FRESHMAN (31)

FALL			SPRING		
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 - Fine Arts (1)	3	MATH 142	Calculus II	4
MATH 141	Calculus I	<u>4</u>	Science	Laboratory Science (2)	<u>4</u>
		15			16

SOPHOMORE (32)

FALL			SPRING		
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 241	Vector Calculus	3	Science	Laboratory Science (2)	4
SPCH 140	Public Communication	3	MATH 374	Discrete Structures	3
Science	Laboratory Science (2)	<u>4</u>	Liberal Arts	Liberal Arts - Social Science (1)	<u>3</u>
		16			16

JUNIOR (31)

FALL			SPRING		
CSCE 311	Operating Systems	3	CSCE 416	Intro. to Computer Networks	3
CSCE 350	Data Structures & Algorithms	3	STAT 509	Statistics for Engineers	3
ENGL 462/3	Technical or Bus. Writing	3	Liberal Arts	Liberal Arts (1)	3
Application	Area Elective (3)	3	Application	Area Elective (3)	3
CSCE 330	Programming Lang. Structures	3	Liberal Arts	Liberal Arts - History (1)	<u>3</u>
CSCE 390	Prof. Issues in CSCE	<u>1</u>			15
		16			

SENIOR (31)

FALL			SPRING		
CSCE 490	Capstone Software Engr. Proj. I	3	CSCE 492	Capstone Software Engr Proj. I	3
CSCE 355	Fundamentals of Computation	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 (1)	3
Liberal Arts	Liberal Arts (1)	<u>3</u>	Application	Area Elective (3)	<u>3</u>
		16			15

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 WGST 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.

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