

# COMPUTER INFORMATION SYSTEMS BACHELOR OF SCIENCE

## Fall 2002 Curriculum (120 hours)

<b>FRESHMAN (30)</b>					
<b>FALL</b>			<b>SPRING</b>		
CSCE 145	Intro. Algorithmic Design I	4	CSCE 146	Intro. Algorithmic Design II	4
ENGL 101	English Composition	3	MATH 141	Calculus I	4
MATH 174	Discrete Math for Comp. Sci.	3	ENGL 102	Composition & Literature	3
Liberal Arts	Liberal Arts/Foreign Lang.(1)	3	Liberal Arts	Liberal Arts/Foreign Lang. (1)	3
Liberal Arts	History Elective (1)	3			
		16			14
<b>SOPHOMORE (32)</b>					
<b>FALL</b>			<b>SPRING</b>		
CSCE 240	Intro. Software Engineering	3	CSCE 245	Object-Oriented Prog. Tech.	3
CSCE 212	Intro. Comp. Architecture	3	SPCH 140	Public Communication	3
MATH 142	Calculus II	4	Science	Laboratory Science	4
ECON 224	Intro. Economics	3	ACCT 222	Intro. Accounting	3
Liberal Arts	Fine Arts Elective (1)	3	Liberal Arts	Social Science Elective (1)	3
		16			16
<b>JUNIOR (31)</b>					
<b>FALL</b>			<b>SPRING</b>		
CSCE 205	Business Application Progr.	3	CSCE 330	Programming Lang. Structures	3
CSCE 350	Data Structures & Algorithms	3	CSCE 311	Operating Systems	3
ENGL 462/3	Technical or Bus Writing	3	CSCE 390	Prof. Issues in Com. Science	1
MGSC 390	Business Info. Systems	3	STAT 509	Statistics for Engineers	3
Science	Laboratory Science	4	MGSC 490	Business System Design	3
		16	Elective	Free Elective	2
					15
<b>SENIOR (27)</b>					
<b>FALL</b>			<b>SPRING</b>		
CSCE 520	Database System Design	3	CSCE 492	Capstone Software Engr. Proj.	3
MGSC 590	Business Info. Sys. Implement.	3	CSCE xxx	CSCE Elective (2)	3
MGSC xxx	MGSC elective (3)	3	MGSC xxx	MGSC elective (3)	3
Liberal Arts	Liberal Arts Elective	3	Elective	Free Elective	3
Elective	Free Elective	3			
		15			12

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. The department maintains a list of approved humanities and social science electives.

2. Any CSCE course numbered 510 or higher.

3. Two courses chosen from the following: MGSC 494, 591, 594.

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<b>Liberal Arts Requirements: (33 hours)</b>	
ENGL 101 and 102 ( 6 hours): required and must be completed with a "C" or better grade	
ENGL 462 (3 hours): required	
SPCH 140 (3 hours): required	
ECON 224 (3 hours): required	
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	301*
GEOG	103, 121, any course 200
GINT	Any course
PSYC	101, 103, 300* (except 570 through 599)
SOCY	101, 300*
Select nine (9) additional credit hours from courses listed below:	
AERO	401, 402, (POC Cadets Only)
AFRO	201, 202, 335
ANTH	Any course
CPLT	Any course
ECON	301*
ENGL	Any course above 102 (except 460-465)
FORL	121 *( except 315, 575, and FORL 510)--(at most 6 hours of 121 and 122)
GEOG	103, 121, any course 200
GINT	Any course
LASP	Any course
LING	300*
PHIL	102, * (except 110 and 111)
PSYC	101, 103, 300* (except 570 through 599)
RELG	Any course
SOCY	101, 300*
* All advanced courses in the field are acceptable, provided the student meets prerequisites.	
Natural Science (8 hours): Each course must have a lab.	
ASTR	111/A, 112/A
BIOL	101/L, 102/L, 110, 120/L, 200/L, 270/L
CHEM	101, 102, 111, 112
MSCI	111, 112, 210/L
PHYS	201/L, 202/L, (only one from 151/L, 153/L, 155/L)
GEOL	101, 102, 103
Jun-02	