

**Bachelor of Science (BS)
Major: Computer Information Sciences**

NAME: _____

CWID: _____

GENERAL EDUCATION	HOURS EARNED		CIS Major	HOURS EARNED REQD	
English			CIS 305 Data Structures		
Engl 1301 Comp & Rhet I			CIS 310 Analysis of Algorithms		
Engl 1302 Comp & Rhet II			CIS 320 Digital Logic		
Soph Literature (3sh)			CIS 340 Computer Architecture		
			CIS 367 Software Engineering		
History			CIS 370 Programming Lang Design		
Hist 1301 U.S. Pre Civ War			CIS 410 Operating Systems		
Hist 1302 U.S. Post Civ War			CIS 420 Computer Networks		
			CIS *485 Capstone in CIS (4sh)		
Government/Political Science			EE 317 Information Theory		
Govt 2306 State & Fed Constit			MIS 366 Fundamentals of Database Systems		
Govt 2305 American Govt					
Lab Science (8sh Physics)			<u>Computational Sciences & Social/Professional Issues</u>		
Phys *2425 Technical Phys I (4sh)			CIS 390 Ethics in Technology		
Phys *2426 Technical Phys II (4sh)			Math 331 Discrete Math		
			Math 415 Numerical Analysis		
Lab Science 4sh from Biol or Chem:			Math 453 Statistics		
Biol *1406 Princ of Biology I (4sh) OR			Mgt 475 Management Science		
Chem *1411 Gen Chemistry I (4sh)					

Social Science (3sh)			<u>12 sh Electives from the following:</u>		
Psyc 2301, Soci 1301, Econ 2301			CIS 380 Automata Theory		
Geog 1301, 1302			CIS 425 Distributed Computing		
			CIS 435 Mobile & Wireless Networks		
Math			CIS 440 Web Applications Engineering		
Math *2413 Calculus I (4sh)			CIS 445 Telecommunication Systems		
Math *2414 Calc II (4sh)			CIS 447 Modeling & Simulation		
			CIS 450 Network Management		
Fine Arts(3sh)			CIS 460 Sys. Prog./Compiler Design		
3sh from Arts, Musi, or Drama			CIS 470 Data Mining		
			CIS 475 Computer Graphics		
Speech			CIS 497 Special Topics		
Spch 1315 or 1321			EE *332 C++ Programming(4sh)		
CIS Courses					
COSC 1309 Logic & Design					
COSC 1319 Assembly Lang Prog I					
COSC 1320 "C" Programming OR					
BCIS 2331 Adv Programing Basic					
Electives					
1sh Transfer Elective					
			Total Minimum Hours for Degree:	121 sh	
Note: Bachelor's degree graduation requirements include these minimums: 60 SCH transfer credit; 54 upper-division hours; and resident credit totaling 25% of the hours required for the degree.					