

B.S. Computer Information Science (currently not enrolling new students)

COMPUTER AND INFORMATION SCIENCE DEGREE CURRICULUM WORKSHEET					
Natural and Applied Sciences Department					
Bachelor of Science Degree					
2010-2011 AY					
NAME:			ADVISOR:		
EMAIL:			ENTERED:		
PHONE:			ANT. GRADUATION:		
			DATE LAST UPDATED:		
GENERAL EDUCATION			MAJOR COURSES		
COURSE NUMBER	COURSE NAME	CR	Sem	Grade	
I. CORE REQUIREMENTS					
Essential Skills (15 Credits)					
HEN 112	English I	3			
HEN 113	English II	3			
HEN 114	Speech	3			
EDU110	Intro. Interp. & Analysis	3			
HPH110	Critical Thinking	3			
Mathematics (3 credits)					
MAT 160	Calculus I±	4			
African-American Experience (3 credits)					
AAS210	A-A Experience in a Global Context	3			
Freshmen Experience (2 credits)					
GAC 101	Freshmen Seminar I	1			
GAC 102	Freshman Seminar II	1			
Note: All Core requirements must be complete before a student is considered a Junior.					
II. DISTRIBUTION REQUIREMENTS (Can Not Be Major Courses)					
Humanities (6 credits)*					
	Humanities course I	3			
	Humanities course II	3			
*Satisfactory courses include literature, language, theater, music, arts, & philosophy.					
Foreign Language (6 credits)**					
	Foreign Language I	3			
	Foreign Language II	3			
**Must be in the same language.					
Social Sciences (6 credits)***					
	Social Science Elective I	3			
	Social Science Elective II	3			
***Courses include anthropology, economics, geography, history, political science, psychology & sociology.					
Natural Science (6 credits)®					
S _____	Natural Science Elective I	3			
S _____	Natural Science Elective II	3			
®Satisfactory courses include biology, chemistry, physics, earth or space science.					
Health & Wellness (4 credits)					
REC 111	Health & Wellness	2			
REC _____	Physical Education	1			
REC _____	Physical Education	1			
TOTAL CREDITS IN GENERAL EDUCATION		52			
III. INTENSIVE COURSES				Sem	Grade
_____	Writing Course (W)				
_____	Writing Course (W)				
_____	Writing Course (W)				
_____	Global Course (G)				
_____	A-A Heritage course (A)				
_____	Information Literacy course (I)				
±This course may have one or more prerequisites that students must display proficiency in or satisfy through successful completion of the pre-requisite course(s).					
REQUIRED COMPUTER SCIENCE COURSES					
COURSE NUMBER	COURSE NAME	CR	Sem	Grade	
CIS 101	Computer Programming I ©	3			
CIS 102	Computer Programming II ©	3			
CIS 106	Computer Programming III ©	3			
CIS 103	Information Structures	3			
CIS104	Computer Organization	3			
CIS 105	Basic Assembler	3			
CIS 201	Programming Languages	3			
CIS 211	Operating Systems	3			
CIS 231	Compiler Construction	3			
CIS 321	Info Organization & Retrieval	3			
CIS 401	Topics in CIS	3			
Total Required Computer Science Credits		33			
ADVANCED COMPUTER SCIENCE ELECTIVES (6 Credits)					
CIS 215	Fundamental Structures of CS	3			
CIS 301	Switching Theory	3			
CIS 311	Systems Simulation Programs	3			
CIS 330	Algorithms and Fortran	3			
CIS 331	Theory of Computability	3			
CIS 402	Operations Analysis & Modeling	3			
CIS 411	Large Scale Info Processing System	3			
CIS 413	Software Engineering	3			
MAT 225	Probability & Statistics	3			
MAT 331	Numerical Analysis	3			
MAT 461	Applied Mathematics	3			
Total Advanced Computer Science Credits		6			
REQUIRED RELATED COURSES (17 CREDITS)					
HEN 319	Advanced Composition	3			
MAT 202	Discrete Mathematics	3			
MAT 170	Calculus II	4			
MAT 203	Linear Algebra	3			
SPY 212	Physics II	4			
Total Required Related Credits		17			
FREE ELECTIVES (12 Credits)					
	Upper Level Free Elective -1	3			
	Free Elective -2	3			
	Free Elective -3	3			
	Free Elective -4	3			
Total Free Elective Credits		12			
TOTAL CREDITS FOR GRADUATION		120			
A 2.0 overall cumulative GPA is required for graduation.					
DEVELOPMENTAL/REMEDIAL COURSES++:					
ERE 001	Reading & Study Skills	CR	Sem	Grade	
HEN 011	Elements of Writing				
MAT 001	Basic Math				
MAT 002	Elementary Algebra				
+PASHSHE Policy 1990-06-A holds that elective course selection is encouraged.					
++PASHSHE Policy 1990-06-A holds that 48 credits of the total 120 must be upper level courses.					
+++Credits earned for developmental/remedial courses do not count towards the 120 credits required for graduation.					