

Computer Information Systems Programming Concentration 2022-2023
8 semester Programming Planning Sheet

Freshman Year						
Course	Semester 1			Semester 2		
	Title	Credit Hours		Course	Title	Credit Hours
CIS 1013	Introduction to Computer-Based Systems	3		CIS 2203	Programming Logic & Design	3
CIS 1193	PC Hardware/Software Maintenance	3		ENGL 1023	Composition II	3
ENGL 1013	Composition I	3			General Education U.S. History or Government Requirement	3
UST 1003	Discover Your Pathway to Success	1			General Education Social Science Requirement	3
	General Education Communication Requirement	3			Elective	3
	General Education Mathematics Requirement	3				
		16				15
Sophomore Year						
Semester 3			Semester 4			
CIS 2223	Microcomputer Applications	3		CIS 3553	Advanced COBOL	3
CIS 3423	COBOL	3		ACCT 2213	Principles of Financial Accounting	3
	General Education Fine Arts Requirement	3			General Education Humanities Requirement	3
	General Education Science Course w/ Lab	4			General Education Science Course w/ Lab	4
	General Education Social Science Requirement	3			Elective	3
		16				16
Junior Year						
Semester 5			Semester 6			
CIS 3453 CIS 3463	WWW Programming <u>OR</u> Programming Mobile Applications	3		CIS 3523	System Analysis & Design	3
CIS	Major Elective (3000-4000 level)	3		CIS 4503	Data Communications and Networking	3
ACCT 2223	Principles of Managerial Accounting	3		GB 2043	Business Communications	3
	Elective	3		ECON 2113	Business Statistics I	3
	Elective	3			Elective	3
		15				15
Senior Year						
Semester 7			Semester 8			
CIS 3443	Object-Oriented Programming Language	3		CIS 4634	Software Development Project	4
CIS 4623	Database Management Systems	3		CIS	Major Elective (3000-4000 level)	3
ECON	Economic Supportive Requirement	3		MGMT	Management Supportive Requirement	3
MKT 3403	Principles of Marketing	3			Elective	3
	Elective (3000-4000 level)	3				
						13
		15			Total hours	121