

Computer Information Systems (IS) Curriculum Map (effective Fall 2015 and after)

The curriculum map provides insight and direction for students to graduate in four years. With the assistance of a student's academic advisor and department chairperson, the map will provide a guide between what should be taken term by term and where the student is with respect to grades received in courses. Milestones are noted on the map and serve as hints regarding what courses and/or activities must be completed that term. Please note that every term does not have a milestone. Prerequisites are also noted providing the student and his/her advisor a true indication of where the student falls within the curriculum. In this particular document, key prerequisites are listed that can prevent a student from moving along in the curriculum if not met. Also, note that the Department of Computer and Information Sciences (CIS) only considers the grade of "C" or higher as meeting the prerequisite. A grade of "C" or better is required in each course taken for credit for a major or a minor in computer information systems.

Students completing any of the computing programs will be prepared for employment in government and industry, and for graduate studies in a computing-related discipline.

CIS (Information Technology (IT) Curriculum Guide		Milestone and/or Prerequisite
Term 1	Credits	Term 1 Milestones and/or Prerequisites
General Elective	3	*May select another approved laboratory science course
ENC 1101 Communicative Skills I or ENC 1121	3	to satisfy General Education and major requirements
PSC 1121 Physical Science w/ Lab*	4	
MAC 2233 Business Calculus	3	
CIS 1920 Professional Development I	2	
<i>Total Term 1 Credits</i>	15	
Term 2	Credits	Term 2 Milestones and/or Prerequisites
AFA 3104 The African-American Experience	3	Must have completed MAC 1105
ENC 1102 Communicative Skills II	3	Must complete COP 3014C
COP 3014C Fundamentals of Programming	4	
COP 3828 Web Programming & Design	3	
SLS 1101 First Year Experience – College Transition	2	
<i>Total Term 2 Credits</i>	15	
Term 3	Credits	Term 3 Milestones and/or Prerequisites
COT 2104 Mathematics for Computing	3	Must have completed COP 3014C
ECO 2013 Principles of Economics I	3	Must complete COP 3330 and COT 2104
SPC 2608 Public Speaking	3	
COP 3330 Intro to Object-Oriented Programming	3	
	3	
<i>Total Term 3 Credits</i>	15	
Term 4	Credits	Term 4 Milestones and/or Prerequisites
COP 3530 Program, File and Data Struct	3	Must have completed COT 2104 and COP 3330
CDA 3101 Computer Concepts and Organizations	3	
ECO 2023 Principles of Economics II	3	*May select another approved laboratory science course
BSC 1005C Biological Science with Lab*	4	to satisfy General Education and major requirements
Humanities Elective	3	
<i>Total Term 4 Credits</i>	16	

Term 5	Credits	Term 5 Milestones and/or Prerequisites
ACG 2021 Financial Accounting Principles	3	(no milestones)
CIS 3040 Information Systems in Organizations	3	
CIS 4250 Computer Ethics & Professional Responsibility	3	
ENC 3243 Technical Writing	3	
MAN 3025 Principles of Management	3	
<i>Total Term 5 Credits</i>	15	
Term 6	Credits	Term 6 Milestones and/or Prerequisites
ACG 2071 Managerial Accounting Principles	3	Must complete COP 3710
COP 3710 Database Management System	3	
CNT 4504 Data Communications & Organizational Networks	3	
General Elective	3	
MAR 3023 Principles of Marketing	3	
<i>Total Term 6 Credits</i>	15	
Term 7	Credits	Term 7 Milestones and/or Prerequisites
CIS 4301 Information Systems Design and Development	3	Must have completed COP 3530 and COP 3710
COP 3060 Concepts in Advanced Application Development	3	Must complete COP 3060 and CIS 4301
STA 2023 Introduction to Probability and Statistics	3	*Must be an upper division CIS course that is not
Major Elective*	3	required by degree program and does not have the
		CGS prefix. See advisor for list of approved major
		electives.
		Must apply for graduation
<i>Total Term 7 Credits</i>	12	
Term 8	Credits	Term 8 Milestones and/or Prerequisites
CIS 4910 Information Systems Development Project	3	Must have completed CIS 4301 and COP 3060
COP 4365 Advanced C# Programming	3	*Must be an upper division CIS course that is not
Major Elective*	3	required by degree program and does not have the
General Elective	3	CGS prefix. See advisor for list of approved major
		electives.
<i>Total Term 8 Credits</i>	12	Must complete department exit survey
Total Credits	120	