Bachelors of Science in Computer Information Systems

Option in Information Systems (72 Semester Units)

Catalog Fall 2016

Major Catalog Date: _____

Name _____ CIN _____
Last First MI

_____ _____ _____
Email Phone Number Term Admitted

_____ _____
Adviser's Signature Date

_____ _____
Student's Signature Date

Lower Division Required IS Core Courses (6 Units)				*Prerequisites*	*Completed?*
CIS	1200	Business Computer Systems	3		
CIS	2830	Introduction to Application Programming with Java	3	*CIS 1200 or equivalent*	

Lower Division Required Business Core Courses (15 Units)				*Prerequisites*	*Completed?*
ACCT	2100	Principles of Financial Accounting	3		
ACCT	2110	Principles of Managerial Accounting	3	*ACCT 2100*	
ECON[1]	2010	Principles of Economics I: Microeconomics	3		
ECON[1]	2020	Principles of Economics II: Macroeconomics	3	*ECON 2010*	
FIN	2050	Legal and Regulatory Environment of Business	3		

Upper Division Required Business Core Courses (18 Units)				*Prerequisites*	*Completed?*
BUS[2]	3050	Business Communication *(wi)*	3		
CIS	3010	Management Information Systems	3		
FIN	3030	Business Finance	3	*ACCT 2100*	
MGMT	3060	Production and Operations Management	3		
MGMT	3070	Organizational Behavior and Management	3		
MKT	3100	Principles of Marketing	3		

Upper Division Required IS Core Courses (15 Units)				*Prerequisites*	*Completed?*
CIS	3050	Database Design and Development	3		
CIS	3060	Systems Analysis and Design	3	*CIS 3050*	
CIS	4100	Hardware and Software Architecture	3		
CIS	4840	Communications Systems	3	*CIS 1200 or equivalent*	
CIS	4900	Capstone: Information Systems	3	*Senior standing*	

Note 1: ECON 2010 or ECON 2020 is double-counted in Lower Division GE Block D.

Note 2: BUS 3050 is designated as a Writing Intensive (wi) course. A grade of "C" or better is required to satisfy the Graduation Writing Assessment Requirement (GWAR).

Bachelors of Science in Computer Information Systems

Option in Information Systems (72 Semester Units)

OPTION: Information Systems (18 Units)

Semester - Select 18 units (six courses) of electives from the IS/IT Elective Courses (Other functional areas outside of the College of Business and Economics can be considered with the approval of the Department Chair.)					
Enterprise Systems				*Prerequisites*	*Completed?*
CIS	4200	Business Intelligence and Data Warehouse	3	*CIS 3010*	
CIS	4510	Fundamentals of ERP Technology	3	*CIS 3010*	
CIS	4560	Introduction to Big Data	3	*CIS 2830*	
CIS	4590	Advanced System Development	3	*CIS 3010*	
CIS	4760	Project Planning with Microsoft Project	3	*CIS 1200*	
CIS	4810	Healthcare Application Systems	3	*CIS 3010*	
CIS	4860	Managing Information Systems Projects	3	*CIS 3060*	
CIS	4870	Decision Support Systems	3	*CIS 1200 or equivalent*	
Application Development				*Prerequisites*	*Completed?*
CIS	3200	Data Processing and Analytics	3	*CIS 1200 or equivalent*	
CIS	3610	Web Design and Development	3	*CIS 1200 or equivalent*	
CIS	3830	Multimedia and Game Application Programming	3	*CIS 1200 or equivalent*	
CIS	4450	Networked Application Development	3	*CIS 3050*	
CIS	4550	Visual Basic .NET Database Application	3	*CIS 2830*	
CIS	4570	Advanced Java Programming	3	*CIS 2830*	
CIS	4580	E-Business Application Development with Oracle	3	*CIS 3050 and CIS 2830*	
CIS	4590	Advanced Information Systems Development	3	*CIS 3010*	
Networking, Telecom, And Infrastructure				*Prerequisites*	*Completed?*
CIS	3850	Systems and Network Administration	3		
CIS	4220	Routing Configuration and Router Administration	3	*CIS 4840 or equivalent*	
CIS	4230	Intermediate Routing and LAN Switching	3	*CIS 4840 or equivalent*	
CIS	4240	Wide Area Networks	3	*CIS 4840 or equivalent*	
CIS	4720	Wireless Communications and Networks	3	*CIS 1200 or equivalent*	
CIS	4730	Network Security Essentials and Practice	3	*CIS 1200*	
CIS	4850	Local Area Networks	3	*CIS 4840*	
Information Security and Privacy				*Prerequisites*	*Completed?*
CIS	4370	Security Risk Management and Internal Controls	3	*CIS 3010*	
CIS	4380	Computer Forensics and Investigations	3	*CIS 3010*	
CIS	4880	Information Security	3	*CIS 3010 or equivalent or permission of instructor*	
Current Issues				*Prerequisites*	*Completed?*
CIS	4540	Special Topics in Computer Information Systems	3	*Varies with topics*	
CIS	4980	Cooperative Education in Information Systems	3		