Bachelors of Science in Computer Information Systems

Option in Information Technology (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 (3 Units)				*Prerequisites*	*Completed?*
ACCT	2100	Principles of Financial Accounting	3		

Upper Division Required Business Core Courses (9 Units)				*Prerequisites*	*Completed?*
BUS[1]	3050	Business Communication *(wi)*	3		
CIS	3010	Management Information Systems	3		
MGMT	3070	Organizational Behavior and Management	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: 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).

OPTION: Information Technology (39 Units)

Semester - Select 39 units (13 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*	

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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		