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		