

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)			<i>Prerequisites</i>	<i>Completed?</i>
CIS 1200	Business Computer Systems	3		
CIS 2830	Introduction to Application Programming with Java	3	<i>CIS 1200 or equivalent</i>	

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

Upper Division Required Business Core Courses (18 Units)			<i>Prerequisites</i>	<i>Completed?</i>
BUS ² 3050	Business Communication (<i>wi</i>)	3		
CIS 3010	Management Information Systems	3		
FIN 3030	Business Finance	3	<i>ACCT 2100</i>	
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)			<i>Prerequisites</i>	<i>Completed?</i>
CIS 3050	Database Design and Development	3		
CIS 3060	Systems Analysis and Design	3	<i>CIS 3050</i>	
CIS 4100	Hardware and Software Architecture	3		
CIS 4840	Communications Systems	3	<i>CIS 1200 or equivalent</i>	
CIS 4900	Capstone: Information Systems	3	<i>Senior standing</i>	

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			<i>Prerequisites</i>	<i>Completed?</i>
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			<i>Prerequisites</i>	<i>Completed?</i>
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			<i>Prerequisites</i>	<i>Completed?</i>
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			<i>Prerequisites</i>	<i>Completed?</i>
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			<i>Prerequisites</i>	<i>Completed?</i>
CIS 4540	Special Topics in Computer Information Systems	3	Varies with topics	
CIS 4980	Cooperative Education in Information Systems	3		