Bachelors of Science in Computer Information Systems

Option in Business Systems (69 Semester Units)

Catalog Fall 2019

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 and Business Core Courses (12 Units)				*Prerequisites*	*Completed?*
CIS	1200	Business Computer Systems	3		
CIS	2830	Introduction to Application Programming with Java	3	*CIS 1200*	
ACCT	2100	Principles of Financial Accounting	3		
ECON[1]	2010	Principles of Economics I: Microeconomics	3		

Upper Division Required IS and Business Core Courses (27 Units)				*Prerequisites*	*Completed?*
BUS[2]	3050	Business Communication *(wi)*	3		
ECON[3]	3060	Statistics for Business Analysis and Decision Making	3	*GE Block B4 (Mathematics/Quantitative Reasoning)*	
MGMT[4]	3080	Business Responsibilities in Society	3	*Block A (Basic Subjects)*	
CIS	3010	Management Information Systems	3		
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*	

OPTION: Business Systems Required Courses (15 Units)				*Prerequisites*	*Completed?*
BUS	4150	Contemporary Issues in Global Business	3		
FIN	3030	Business Finance	3	*ACCT 2100*	
MGMT	3060	Operations Management	3		
MGMT	3070	Management and Organizational Behavior	3		
or					
MGMT	4504	Supply Chain Management	3	*MGMT 3060*	
MKT	3100	Principles of Marketing	3		
or					
MGMT	3100	Management and the Great Ideas	3	*MGMT 3070*	

Note 1: ECON 2010 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).

Note 3: ECON 3060 is double-counted in Upper Division GE Block B - Natural Science and Mathematics

Note 4: MGMT 3080 is double-counted in Upper Division GE Block C - Arts and Humanities.

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OPTION: Business Systems (15 Units)

Semester - Select 15 units (5 courses) of electives from the lists below.					
Enterprise Systems				*Prerequisites*	*Completed?*
CIS	4200	Business Intelligence and Data Warehouse	3	*CIS 3010*	
CIS	4510	Fundamentals of ERP Technology	3	*CIS 3010*	
CIS	4590	Advanced Information Systems 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*	
Business Intelligence and Data Analytics				*Prerequisites*	*Completed?*
CIS	3200	Data Processing and Analytics	3	*CIS 1200 or equivalent*	
CIS	4150	Foundations of Business Intelligence	3		
CIS	4200	Business Intelligence and Data Warehouse	3	*CIS 3010*	
CIS	4210	Healthcare Data Analytics	3		
CIS	4250	Business Intelligence Applications	3		
CIS	4560	Introduction to Big Data	3	*CIS 2830*	
CIS	4870	Decision Support Systems	3	*CIS 1200 or equivalent*	
Application Development				*Prerequisites*	*Completed?*
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 2830 and CIS 3050*	
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	4850	Computer Networks	3	*CIS 4840*	
Information Security and Privacy				*Prerequisites*	*Completed?*
CIS	4370	Security Risk Management and Internal Controls		*CIS 3010*	
		also listed as	3		
ACCT	4370	Security Risk Management and Internal Controls		*ACCT 4240B*	
CIS	4380	Computer Forensics and Investigations		*CIS 3010*	
		also listed as	3		
ACCT	4380	Computer Forensics and Investigations		*ACCT 4240A*	
CIS	4730	Network Security Essentials and Practice	3	*CIS 1200*	
CIS	4880	Information Security	3	*CIS 3010*	

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Accounting				*Prerequisites*	*Completed?*
ACCT	3200A	Intermediate Financial Accounting and Reporting I	3	*ACCT 2100 and ACCT 2110*	
ACCT	3200B	Intermediate Financial Accounting and Reporting II	3	*ACCT 3200A with minimum C grade*	
ACCT	3210	Taxation of Individuals	3	*ACCT 3200A with minimum C grade*	
ACCT	3220	Cost Accounting	3	*ACCT 2110 and 3200A with minimum C grades*	
ACCT	3250	Leadership and Professional Skills for Accountants	3	*ACCT 3200B and BUS 3050*	
ACCT	4240A	Accounting Information Systems	3	*ACCT 3200A*	
Finance				*Prerequisites*	*Completed?*
FIN	3250	Essential Skills for Finance Professionals	3	*Completion of GE B4, FIN 3030*	
FIN	3310	Financial Institutions and Markets	3	*ECON 2020, FIN 3030*	
FIN	3320	Investments	3	*FIN 3030*	
FIN	4030	Intermediate Business Finance	3	*FIN 3030*	
Healthcare				*Prerequisites*	*Completed?*
MGMT	4108	High Performance Management	3	*MGMT 3070*	
MGMT	4300	Leading and Managing in Healthcare Environments	3		
MGMT	4315	Comparative Healthcare Organizing	3		
or					
MGMT	4330	Healthcare Regulations and Ethics	3		
MGMT	4335	Financial Management of Health Care Institutions	3		
MGMT	4345	Healthcare Operations Management	3	*MGMT 3060*	
or					
MGMT	4506	Service Management	3	*MGMT 3060 and 3070*	
PH	3140	Health Care Delivery System	3		
HR Management				*Prerequisites*	*Completed?*
MGMT	4400	Strategic Human Resource Management	3	*MGMT 3070*	
MGMT	4402	Employment Relations	3	*MGMT 4400*	
MGMT	4403	Compensation Management	3	*MGMT 4400*	
MGMT	4405	Talent Management	3	*MGMT 4400*	
MGMT	4407	International Human Resource Management	3	*MGMT 4400*	
International Business				*Prerequisites*	*Completed?*
FIN	4310	Multinational Financial Management	3	*FIN 3030*	
MGMT	4102	Comparative Management	3	*Senior or graduate standing*	
MKT	3200	High Performance Professional Skills	3	*MKT 3100*	
MKT	3500	Global Business	3	*MKT 3100*	
MKT	4500	International Marketing	3	*MKT 3100*	
MKT	4510	Intercultural Business Communication	3		
Management				*Prerequisites*	*Completed?*
MGMT	4101	Organization Theory and Design	3	*MGMT 3070*	
MGMT	4102	Comparative Management	3	*Senior or graduate standing*	
MGMT	4106	Business in Its Social Setting	3	*MGMT 3080 or graduate standing*	
MGMT	4108	High Performance Management	3	*MGMT 3070*	
MGMT	4500	Case Studies in Operations Management	3	*MGMT 3060*	

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Marketing				*Prerequisites*	*Completed?*
MKT	3200	High Performance Professional Skills	3	*MKT 3100*	
MKT	3210	Personal Selling	3	*MKT 3100*	
MKT	3400	Consumer Behavior	3	*MKT 3100*	
MKT	3800	Introduction to Social Media Marketing	3		
MKT	4449	Marketing Strategy	3	*MKT 3100, 3200, 3210, 3400, and 4460 or 4461*	
Operations Management				*Prerequisites*	*Completed?*
MGMT	4103	Managerial Innovation	3	*MGMT 3070*	
MGMT	4402	Employment Relations	3	*MGMT 4400*	
MGMT	4500	Case Studies in Operations Management	3	*MGMT 3060*	
MGMT	4501	Process Design and Improvement	3	*MGMT 3060*	
MGMT	4502	Production and Inventory Management	3	*MGMT 3060*	
MGMT	4503	Total Quality Management	3	*MGMT 3060*	
MGMT	4504	Supply Chain Management	3	*MGMT 3060*	
MGMT	4505	Project Management	3		
MGMT	4506	Service Management	3	*MGMT 3060 and 3070*	
MGMT	4507	Operations Research	3	*MGMT 3060*	
Real Estate				*Prerequisites*	*Completed?*
FIN	3250	Essential Skills for Finance Professionals	3	*Completion of GE B4, FIN 3030*	
FIN	3380	Real Estate Principles	3		
FIN	3390	Real Estate Practice	3		
FIN	3810	Real Estate Law	3	*FIN 2050 or equivalent business law course*	
FIN	4390	Real Estate Finance	3	*FIN 3030 or FIN 3380*	
FIN	4930	Real Estate Investment	3	*FIN 3030 or FIN 3380*	
Retailing				*Prerequisites*	*Completed?*
MKT	3200	High Performance Professional Skills	3	*MKT 3100*	
MKT	3400	Consumer Behavior	3	*MKT 3100*	
MKT	3600	Principles of Retailing	3		
MKT	3800	Introduction to Social Media Marketing	3		
MKT	4600	Retail Buying and Merchandising	3	*MKT 3600*	
MKT	4610	Digital Marketing and E-commerce	3	*MKT 3100*	
Current Issues				*Prerequisites*	*Completed?*
CIS	4540	Special Topics in Computer Information Systems	3	*Varies with topics*	
CIS	4980	Cooperative Education in Information Systems			
		also listed as	3		
UNIV	4980	Advanced Cooperative Education		*Senior level courses appropriate to experience*	