

Bachelors of Science in Computer Information Systems

Option in Information Technology (72 Semester Units - 108 Quarter Units)

Catalog Fall 2016

Major Catalog Date: _____

Name _____ CIN _____
 Last First MI

Street Address _____ City _____ ZIP Code _____ Quarter Admitted _____

Adviser's Signature _____ Date _____ Student's Signature _____ Date _____

SEMESTER - Lower Division Required IS Core Courses (6 Units)

QUARTER - Lower Division Core Courses (32 Units)

SEMESTER - Lower Division Required IS Core Courses (6 Units)				QUARTER - Lower Division Core Courses (32 Units)			
			Complete?				Complete?
CIS	1200	Business Computer Systems	3	CIS	100	Business Computer Systems	4
CIS	2830	Introduction to Application Programming	3	CIS	283	Introduction to Application Programming with Java <i>req: CIS 100</i>	4
Lower Division Required Business Core Courses (3 Units)							
ACCT	2100	Principles of Financial Accounting	3	ACCT	210	Principles of Financial Accounting	4
				ACCT	211	Principles of Managerial Accounting <i>req: ACCT 210</i>	4
				ECON	201	Principles of Economics I: Microeconomics	4
				ECON	202	Principles of Economics II: Macroeconomics <i>req: ECON 201</i>	4
				ECON	209	Applied Business & Economics Statistics I	4
				FIN	205	Legal and Regulatory Environment of Business	4

SEMESTER - Upper Division Required Business Core Courses (9 Units)

QUARTER - Upper Division Core Courses (56 Units)

SEMESTER - Upper Division Required Business Core Courses (9 Units)				QUARTER - Upper Division Core Courses (56 Units)			
			Complete?				Complete?
				ACCT	310	Accounting Info for Decision Making <i>req: ACCT 211</i>	4
BUS ²	3050	Business Communication <i>req: WPE</i>	3	BUS	305	Business Communication <i>req: WPE</i>	4
CIS	3010	Management Information Systems	3	CIS	301	Management Information Systems <i>req: CIS 100</i>	4
				ECON	309	Appl Bus & Econ Stats II <i>req: ECON 209, MATH 102</i>	4
				FIN	303	Business Finance <i>req: ACCT 210</i>	4
				MGMT	306	Operations Management <i>req: ECON 209</i>	4
MGMT	3070	Organizational Behavior and Management	3	MGMT	307	Management and Organizational Behavior	4
				MGMT	308	Business Responsibilities in Society	4
				MKT	304	Principles of Marketing	4
Upper Division Required IS Core Courses (15 Units)							
CIS	3050	Database Design and Development	3	CIS	405	Database Design and Development	4
CIS	3060	Systems Analysis and Design	3	CIS	406	Systems Analysis and Design <i>req: CIS 405</i>	4
CIS	4100	Hardware and Software Architecture	3	CIS	410	Hardware and Software Architecture <i>req: CIS 283</i>	4
CIS	4840	Communications Systems	3	CIS	484	Communications Systems <i>req: CIS 100</i>	4
CIS ²	4900	Capstone: Information Systems	3	CIS	490	Capstone: Information Systems <i>req: Senior, WPE, BSCIS Core</i>	4

Note 1: BUS 3050 is designated as a Writing Intensive (WI) course.

Note 2: CIS 4900 is the capstone course. Students can take CIS 4900 after they have completed all other lower & upper division core courses.

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Option in Information Technology (72 Semester Units - 108 Quarter Units)

OPTION: Information Technology (39-42 Units)

OPTION: Information Technology (20 Units)

Semester - Select 39 to 42 units (13 to 14 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 advisor.)				Quarter - Information Technology Electives (20 Units): Select five courses			
Note: The exact number of units to be fulfilled for option courses will be determined by the number of double counted General Education courses.							
Complete?				Complete?			
Enterprise Systems				CIS 398	Cooperative Education in Information Systems		1-4
CIS 4200	Business Intelligence and Data Warehouse	3					
CIS 4510	Fundamentals of ERP Technology	3	CIS 451	Fundamentals of ERP Technology <i>req: CIS 301</i>		4	
CIS 4560	Introduction to Big Data	3					
CIS 4590	Advanced System Development	3	CIS 459	Advanced Information Systems Development <i>req: CIS 301</i>		4	
CIS 4760	Project Planning with Microsoft Project	3	CIS 476	Project Planning with Microsoft Project <i>req: CIS 100</i>		4	
CIS 4810	Healthcare Application Systems	3					
CIS 4860	Managing Information Systems Projects	3	CIS 486	Managing Information Systems Projects <i>req: CIS 301, MGMT 307</i>		4	
CIS 4870	Decision Support Systems	3	CIS 487	Decision Support Systems <i>req: CIS 100, FIN 303, MGMT 306</i>		4	
Application Development							
CIS 3200	Data Processing and Analytics	3	CIS 320	Data Processing and Analytics <i>req: CIS 100</i>		4	
CIS 3610	Web Design and Development	3	CIS 361	Web Design and Development <i>req: CIS 100</i>		4	
CIS 3830	Multimedia and Game Application Programming	3	CIS 383	Multimedia and Game Application Programming <i>req: CIS 100</i>		4	
CIS 4450	Networked Application Development	3	CIS 445	Network Application Development <i>req: CIS 405</i>		4	
CIS 4550	Visual Basic .NET Database Application	3					
CIS 4570	Advanced Java Programming	3	CIS 457	Advanced Java Programming <i>req: CIS 283</i>		4	
CIS 4580	E-Business Application Development with Oracle	3	CIS 458	E-business Application Development with Oracle <i>req: CIS 405, 283</i>		4	
CIS 4590	Advanced Information Systems Development	3					
Networking, Telecom, And Infrastructure							
CIS 3850	Systems and Network Administration	3					
CIS 4220	Routing Configuration and Router Administration	3					
CIS 4230	Intermediate Routing and LAN Switching	3					
CIS 4240	Wide Area Networks	3					
CIS 4720	Wireless Communications and Networks	3	CIS 472	Wireless Communications and Networks <i>req: CIS 100</i>		4	
CIS 4730	Network Security Essentials and Practice	3	CIS 473	Network Security Essentials and Practice <i>req: CIS 100</i>		4	
CIS 4850	Local Area Networks	3	CIS 485	Local Area Networks <i>req: CIS 484</i>		4	
Information Security and Privacy							
CIS 4370	Security Risk Management and Internal Controls	3	CIS 437	Security Risk Management and Internal Controls <i>req: CIS 301</i>		4	
CIS 4380	Computer Forensics and Investigations	3	CIS 438	Computer Forensics and Investigations <i>req: CIS 301</i>		4	
CIS 4880	Information Security	3	CIS 488	Information Security <i>req: CIS 301</i>		4	
Current Issues							
CIS 4540	Special Topics in Computer Information Systems	3	CIS 454	Special Topics in Computer Information Systems <i>req: Varies</i>		4	
CIS 4980	Cooperative Education in Information Systems	1-3	CIS 498	Cooperative Education in Information Systems		1-4	