

Bachelors of Science in Computer Information Systems

Option in Business Systems (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)

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 (15 Units)							
ACCT	2100	Principles of Financial Accounting	3	ACCT	210	Principles of Financial Accounting	4
ACCT	2110	Principles of Managerial Accounting <i>req: ACCT 2100</i>	3	ACCT	211	Principles of Managerial Accounting <i>req: ACCT 210</i>	4
ECON ¹	2010	Principles of Economics I: Microeconomics	3	ECON	201	Principles of Economics I: Microeconomics	4
ECON ¹	2020	Principles of Economics II: Macroeconomics <i>req: ECON 2010</i>	3	ECON	202	Principles of Economics II: Macroeconomics <i>req: ECON 201</i>	4
				ECON	209	Applied Business & Economics Statistics I	4
FIN	2050	Legal and Regulatory Environment of Business	3	FIN	205	Legal and Regulatory Environment of Business	4

SEMESTER - Upper Division Required Business Core Courses (27 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
BUS	4150	Contemporary Issues in Global Business	3				
CIS	3010	Management Information Systems	3	CIS	301	Management Information Systems <i>req: CIS 100</i>	4
ECON ³	3060	Statistics for Business Analysis and Decision Making	3	ECON	309	Appl Bus & Econ Stats II <i>req: ECON 209, MATH 102</i>	4
FIN	3030	Business Finance <i>req: ACCT 2100</i>	3	FIN	303	Business Finance <i>req: ACCT 210</i>	4
MGMT	3060	Production and Operations Management	3	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 ⁴	3080	Business Responsibilities in Society	3	MGMT	308	Business Responsibilities in Society	4
MKT	3100	Principles of Marketing	3	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 ⁵	4900	Capstone: Information Systems	3	CIS	490	Capstone: Information Systems <i>req: Senior, WPE, BSCIS Core</i>	4

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.

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.

Note 5: 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: Business Systems (9-21 Units)

OPTION: Information Systems (20 Units)

Semester - Select 9 to 21 units (three to seven courses) of upper division courses from one functional area within the College of Business and Economics. (Other functional areas outside of the College of Business and Economics can be considered with the approval of the advisor.)			Quarter - Information Systems Electives (8 Units): Select two courses from CIS			
						Complete?
<i>Note: The exact number of units to be fulfilled for option courses will be determined by the number of double counted General Education courses.</i>			CIS 320	Data Processing and Analytics <i>req: CIS 100</i>	4	
			CIS 361	Web Design and Development <i>req: CIS 100</i>	4	
Complete?			CIS 383	Multimedia and Game Application Programming <i>req: CIS 100</i>	4	
			CIS 398	Cooperative Education in Information Systems	1-4	
			CIS 437	Security Risk Management and Internal Controls <i>req: CIS 301</i>	4	
			CIS 438	Computer Forensics and Investigations <i>req: CIS 301</i>	4	
			CIS 445	Network Application Development <i>req: CIS 405</i>	4	
			CIS 451	Fundamentals of ERP Technology <i>req: CIS 301</i>	4	
			CIS 454	Special Topics in Computer Information Systems <i>req: Varies</i>	4	
			CIS 457	Advanced Java Programming <i>req: CIS 283</i>	4	
			CIS 458	E-business Application Development with Oracle <i>req: CIS 405, 283</i>	4	
			CIS 459	Advanced Information Systems Development <i>req: CIS 301</i>	4	
			CIS 472	Wireless Communications and Networks <i>req: CIS 100</i>	4	
			CIS 473	Network Security Essentials and Practice <i>req: CIS 100</i>	4	
			CIS 476	Project Planning with Microsoft Project <i>req: CIS 100</i>	4	
			CIS 485	Local Area Networks <i>req: CIS 484</i>	4	
			CIS 486	Managing Information Systems Projects <i>req: CIS 301, MGMT 307</i>	4	
			CIS 487	Decision Support Systems <i>req: CIS 100, FIN 303, MGMT 306</i>	4	
			CIS 488	Information Security <i>req: CIS 301</i>	4	
			CIS 498	Cooperative Education in Information Systems	1-4	
			Quarter - Business and Economics Electives (12 Units): Select three courses from one area in Business and Economics.			