

# Bachelor of Science Degree in Computer Information Systems

## Option in Information Systems (108 units)

Catalog 2011-2014

Major Catalog Date: \_\_\_\_\_

Name \_\_\_\_\_ CIN \_\_\_\_\_  

Last
First
MI

Street Address \_\_\_\_\_ City \_\_\_\_\_ ZIP Code \_\_\_\_\_ Quarter Admitted \_\_\_\_\_

Adviser's Signature \_\_\_\_\_ Date \_\_\_\_\_ Student's Signature \_\_\_\_\_ Date \_\_\_\_\_

**LOWER DIVISION REQUIRED COURSES (32 Units)**

				<i>Transferred from</i>	<i>Quarter Completed/ing</i>	<i>Units</i>	<i>Grade</i>
ACCT	210	Principles of Financial Accounting	4				
ACCT	211	Principles of Managerial Accounting preq: ACCT 210	4				
CIS	100	Business Computer Systems	4				
CIS	283	Introduction to Application Programming with Java preq: CIS 100	4				
ECON	201	Principles of Economics I: Microeconomics	4				
ECON	202	Principles of Economics II: Macroeconomics preq: ECON 201	4				
ECON	209	Applied Business & Economics Statistics I	4				
FIN	205	Legal and Regulatory Environment of Business	4				

**UPPER DIVISION REQUIRED COURSES (56 Units)**

				<i>Transferred from</i>	<i>Quarter Completed/ing</i>	<i>Units</i>	<i>Grade</i>
ACCT	310	Accounting Info for Decision Making preq: ACCT 211	4				
BUS	305	Business Communication preq:WPE	4				
CIS	301	Management Information Systems preq: CIS 100	4				
CIS	405	Database Design and Development	4				
CIS	406	Systems Analysis and Design preq: CIS 405	4				
CIS	410	Hardware and Software Architecture preq: CIS 283	4				
CIS	484	Communications Systems preq: CIS 100	4				
CIS	490	Capstone: Information Systems preq: Senior, WPE, BSCIS Core	4				
ECON	309	Appl Bus & Econ Stats II preq: ECON 209, MATH 102	4				
FIN	303	Business Finance preq: ACCT 210	4				
MGMT	306	Operations Management preq: ECON 209	4				
MGMT	307	Management and Organizational Behavior	4				
MGMT	308	Business Responsibilities in Society	4				
MKT	304	Principles of Marketing	4				

**OPTION: Information Systems (20 Units)**

<i>Information Systems (8 Units): Select two courses from CIS</i>	<i>Transferred from</i>	<i>Quarter Completed/ing</i>	<i>Units</i>	<i>Grade</i>

<i>Business &amp; Economics Electives (12 Units): Select three from 1 area in B&amp;E</i>	<i>Transferred from</i>	<i>Quarter Completed/ing</i>	<i>Units</i>	<i>Grade</i>

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### Pre-approved Elective Courses: Informations Systems

CIS 320	Data Processing and Analytics req: CIS 100	CIS 459	Advanced Information Systems Development req: CIS 301
CIS 361	Web Design and Development req: CIS 100	CIS 472	Wireless Communications and Networks req: CIS 100
CIS 383	Multimedia and Game Application Programming req: CIS 100	CIS 473	Network Security Essentials and Practice req: CIS 100
CIS 437	Security Risk Management and Internal Controls req: CIS 301	CIS 476	Project Planning with Microsoft Project req: CIS 100
CIS 438	Computer Forensics and Investigations req: CIS 301	CIS 485	Local Area Networks req: CIS 484
CIS 445	Network Application Development req: CIS 405	CIS 486	Managing Information Systems Projects req: CIS 301, MGMT 307
CIS 451	Fundamentals of ERP Technology req: CIS 301	CIS 487	Decision Support Systems req: CIS 100, FIN 303, MGMT 306
CIS 454	Special Topics in Computer Information Systems req: Varies	CIS 488	Information Security req: CIS 301
CIS 457	Advanced Java Programming req: CIS 283	CIS 498	Cooperative Education in Information Systems
CIS 458	E-business Application Development with Oracle req: CIS 405, 283		

### Pre-approved Elective Courses: Accounting

ACCT 320A	Intermediate Financial Accounting and Reporting I req: ACCT 210, 211 or 500	ACCT 424A	Accounting Information Systems req: ACCT 320B & 325
ACCT 320B	Intermediate Financial Accounting and Reporting II req: ACCT 320A	ACCT 424B	Auditing req: ACCT 424A
ACCT 321	Taxation of Individuals req: ACCT 320A	ACCT 425	International Accounting req: ACCT 320B
ACCT 322	Cost Accounting req: ACCT 211 and 320A	ACCT 427	Governmental and Institutional Accounting req: ACCT 320B & 325
ACCT 325	Leadership and Professional Skills for Accountants req: ACCT 320A and BUS 305	ACCT 428A	Internal Auditing I req: ACCT 325 & 424A
ACCT 420	Advanced Financial Accounting and Reporting req: ACCT 320B	ACCT 435	Forensic Accounting req: ACCT 424B
ACCT 421A	Taxation of Corporations and Partnerships req: 321	ACCT 495	Case Studies in Accounting req: ACCT 325, 424A
ACCT 421C	State and Local Taxation req: ACCT 321		

### Pre-approved Elective Courses: Economics

ECON 401	Mathematical Economics req: ECON 303, MATH 206 or 242	ECON 462	International Monetary Economics req: ECON 202
ECON 403	Macroeconomics req: MATH 242 or 206-207; ECON 303	ECON 350	Economics of Poverty and Inequality in the U.S. req: ECON 150, 201, or 202
ECON 410	Microeconomics req: ECON 401	ECON 430	Labor Economics req: ECON 202
ECON 412	Development of Economic Thought req: ECON 202	ECON 433	Economics of the Public Sector req: ECON 201 & 202
ECON 414	Econometrics I req: ECON 209 and 401	ECON 434	Environmental Economics req: ECON 150 or 201
ECON 415	Applied Economic and Business Forecasting req: ECON 309 or 414	ECON 440	Urban and Regional Economics req: ECON 201
ECON 490	Issues in the Economics of Globalization req: ECON 201 & 202	ECON 472	Labor Relations and Collective Bargaining req: ECON 202
ECON 426	International Political Economy req: 4 units of ECON and POLS courses	ECON 435	Market Indicators and Federal Reserve Policy req: ECON 303
ECON 460	Economics of Developing Countries req: ECON 150, 201, or 202	ECON 303	Money, Banking, and the Economy req: ECON 202
ECON 461	Economics of International Trade req: ECON 202	ECON 310	Managerial Economics req: ECON 201

### Pre-approved Elective Courses: Finance

FIN 325	Essential Skills for Finance Professionals req: ECON 209, FIN 303	FIN 434	Cases in Financial Management req: ACCT 310, FIN 303, BUS 305
FIN 331	Financial Institutions and Markets req: ECON 202, FIN 303	FIN 437	Securities Analysis req: FIN 325, FIN 332
FIN 332	Investments req: FIN 303	FIN 438	Real Estate Valuation req: FIN 338
FIN 335	Personal Portfolio and Risk Management	FIN 439	Real Estate Finance req: FIN 303 or FIN 338
FIN 338	Real Estate Principles	FIN 440	Futures and Options req: FIN 332
FIN 381	Real Estate Law req: FIN 205	FIN 450	Fixed Income Securities, Analysis and Strategies req: FIN 332
FIN 403	Intermediate Business Finance req: FIN 303	FIN 493	Real Estate Investment req: FIN 338

### Pre-approved Elective Courses: Management

MGMT 440	Career Development	MGMT 472	Supply Chain Management req: MGMT 306
MGMT 460	Case Studies in Operations Management req: MGMT 306	MGMT 473	Strategic Human Resources Management req: MGMT 307
MGMT 461	Management Theory and Practice req: MGMT 307	MGMT 474	Compensation Management req: MGMT 473
MGMT 462	Comparative Management req: Senior standing	MGMT 475	Current Topics and Cases in Human Resource Mgmt req: MGMT 473
MGMT 463	Process Design and Improvement req: MGMT 306	MGMT 477	Staffing req: MGMT 473
MGMT 464	Production and Inventory Control req: MGMT 306	MGMT 479	Seminar: Bus in its Social Setting req: MGMT 308
MGMT 466	Managerial Innovation req: MGMT 307	MGMT 481	International Human Resource Mgmt req: MGMT 473
MGMT 467	Quality Control req: ECON 309	MGMT 484	Organization Development and Change req: MGMT 307
MGMT 468	Small Business Management	MGMT 485	Project Management
MGMT 469	Training and Development	MGMT 489	High Performance Management req: MGMT 307
MGMT 470	Managerial Leadership & Motivation req: MGMT 307 or NURS 488	MGMT 490	Service Management req: MGMT 306 & 307
MGMT 471	Employment Relations req: MGMT 473		

### Pre-approved Elective Courses: Marketing

MKT 325	High Performance Professional Skills req: MKT 304	MKT 446	Marketing Research req: MKT 304 & ECON 209
MKT 340	Principles of Advertising req: MKT 304	MKT 447	Business Consulting
MKT 341	Salesmanship req: MKT 304	MKT 448	Mail Order/Direct Response Marketing req: MKT 304
MKT 342	Consumer Behavior req: MKT 304	MKT 453	Marketing for Nonprofit Organizations req: MKT 304
MKT 344	Principles of Retailing	MKT 454	Special Topics in Marketing req: Varies
MKT 346	Marketing of Services req: MKT 304	MKT 455	Proseminar: International Transportation req: MKT 304
MKT 349	Retail Merchandising and Sales Promotion req: MKT 304	MKT 456	International Marketing Management req: MKT 304
MKT 358	International Business	MKT 457	Import-Export req: MKT 358
MKT 365	Community Based Social Marketing req: MKT 304	MKT 459	Intercultural Business Communication req: BUS 305 or SPCH 300
MKT 440	Advanced Advertising and Promotion req: MKT 340	MKT 460	Internet Marketing req: MKT 304
MKT 442	Marketing Management req: MKT 304	MKT 462	Internet Marketing Research req: MKT 304 or CIS 405
MKT 443	Marketing in a New Business req: MKT 304		