Plan (Major) __**BUSINESS ADMINISTRATION**__
Subplan/Option ___**Computer Information Systems**___

Catalog Year _____**2012–2013**_____
Minimum Units Required _____**180**_____

Name_____
Student ID _____

TGA_____
MCP Satisfied _____Yes ____No
GWT Satisfied _____Yes ____No

Required Core Courses

Course		Units
FIN Acctg for Decision Making	ACC 207/207A	4/1
MGRL Acctg for Decision Making	ACC 208/208A	4/1
Mgmt Information Systems	CIS 310	4
Leg Env of Business Transactions	FRL 201	4
Managerial Finance I	FRL 300	3
Managerial Finance II	FRL 301	3
Prin Mktg Management	IBM 301	4
Prin of Management	MHR 301	4
Organizational Behavior	MHR 318	4
Operations Management	TOM 301	4
Managerial Statistics	TOM 302	4
Strategic Management	MHR 410	4
or Strategic Management	TOM 411	(4)
Total Units		**48**

Required Subplan/Option Core Courses

Course		Units
Fundamentals of Computer Information Systems	CIS 231	4
Object Oriented Programming with Java	CIS 234	4
Intermediate Java Programming for Business	CIS 304	4
Database Design and Development	CIS 305	4
Business Telecommunications	CIS 307	4
Interactive Web Development	CIS 311	4
Introduction to Object-Oriented Systems Analysis and Design	CIS 315	4
Systems Development Project	CIS 466	4
Total Units		**32**

Elective Subplan/Option Core Courses

Course		Units
Select 16 units from the following:		16
Programming with C++	CIS 284	
Client/Server Applications Development	CIS 338	
Data Modeling	CIS 345	
Telecommunications Networks	CIS 347	
Special Study for Upper Division Students	CIS 400	
Rapid Systems Development	CIS 406	
Adv. Object-Oriented Syst. Analysis & Design	CIS 415	
Broadband and Multimedia Networks	CIS 417	
Multimedia Applications on the Web	CIS 421	
Advanced Java Programming for Business	CIS 424	
Mobile Communication & Wireless Networks	CIS 427	
Information Systems Auditing	CIS 433	
Fundamentals of Network Management and Design	CIS 437	
Internetworking with Linux	CIS 447	
E-Commerce Application Development	CIS 451	
Network Security	CIS 467	
Internet Security	CIS 471	
Computer Forensics	CIS 481	
Secure Web Applications	CIS 491	
Total Units		**16**

Required Support Courses

Course		Units
Introduction to Microcomputing	CIS 101[1]	4
Principles of Economics (D2)	EC 201	4
Principles of Economics (D2)	EC 202	4
Introductory Calculus for Business (B4)	MAT 125	4
Statistics with Applications (B4)	STA 120	4
Total Units		**16–20**

Unrestricted Electives

Course	Units
Unrestricted Electives	0-8
Select a sufficient number of courses from "Required Support," "GE," and "Unrestricted Electives" so that the total is at least 84 units.	
Total Units	**0–8**

Other Major (Plan) Requirements

[1]Microcomputer proficiency (MCP) must be demonstrated by satisfying one of the following three alternatives: 1) CIS 101, 2) microcomputer proficiency skills tests in Word, Excel, and PowerPoint , or 3) an approved college course. There are no units associated with the Microcomputer Proficiency Skills Test.

General Education Requirements

Area	Units
Area A Communication & Critical Thinking	**12**
1 Oral Communication	
2 Written Communication	
3 Critical Thinking	
Area B Mathematics & Natural Sciences	**16**
Select at least one lab course from sub-area 1 or 2.	
1 Physical Science	
2 Biological Science	
3 Laboratory Activity	
4 Math/Quantitative Reasoning	
5 Science & Technology Synthesis	
Area C Humanities	**16**
1 Visual and Performing Arts	
2 Philosophy and Civilization	
3 Literature and Foreign Language	
4 Humanities Synthesis	
Area D Social Sciences	**20**
1 U.S. History, Constitution, American Ideals	
2 History, Economics and Political Science	
3 Sociology, Anthropology, Ethnic & Gender Studies	
4 Social Science Synthesis	
Area E Lifelong Understanding & Self Development	**4**
Total Units	**68**

American Institutions

Courses that satisfy this requirement may also satisfy G.E. Area D1	8

American Cultural Perspectives Requirement

Refer to catalog for list of courses that satisfy this requirements. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4

The following required support courses should be taken to satisfy the indicated GE Requirements to achieve the minimum units to degree listed at the top of this sheet.

Course		GE Area
Introductory Calculus for Business	MAT 125	B4
or Statistics with Applications	STA 120	(B4)
Principles of Economics	EC 201	D2
or Principles of Economics	EC 202	(D2)

The remaining GE requirements may be satisfied by any course approved for that area.