



**California State Polytechnic University, Pomona  
Degree Curriculum Sheet**

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

Catalog Year **2009-2010** Name \_\_\_\_\_  
Minimum Units Required **180** Student ID \_\_\_\_\_

Evaluator \_\_\_\_\_  
MCP Satisfied      Yes      No  
GWT Satisfied      Yes      No

Required Core Courses		
Course		Units
Leg Env of Business Transactions	FRL 201	4
FIN Acctg for Decision Making	ACC 207/207A	4/1
MGRL Acctg for Decision Making	ACC 208/208A	4/1
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
Mgmt Information Systems	CIS 310	4
Strategic Management	MHR 410	4
or Strategic Management	TOM 411	(4)
<b>Total Units</b>		<b>48</b>

Required Subplan/Option Courses		
Course		Units
Object Oriented Programming with Java	CIS 234	4
Introduction to Object-Oriented Systems Analysis and Design	CIS 235	4
Business Telecommunications	CIS 307	4
Intermediate Java Programming for Business	CIS 304	4
Database Design and Development	CIS 305	4
Interactive Web Development	CIS 311	4
Information Systems Careers	CIS 328	2
Systems Development Project	CIS 466	4
<b>Total Units</b>		<b>30</b>

Elective Subplan/Option Courses		
Course		Units
<i>Select 18 units from the following:</i>		
Programming with C++	CIS 284	18
Client/Server App Development with Visual Basic	CIS 338	
Data Modeling	CIS 345	
Telecommunications Networks	CIS 347	
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	
Adv. C++ Programming	CIS 454	
Internet Security	CIS 471	
Network Security	CIS 467	
Computer Forensics	CIS 481	
Secure Web Applications	CIS 491	
Internship	CIS 443	
Special Study for Upper Division Students	CIS 400	
<b>Total Units</b>		<b>18</b>

Required Support Courses			
Course			Units
Introductory Calculus for Business (B4)	MAT 125		4
Statistics with Applications (B4)	STA 120		4
Principles of Economics (D2)	EC 201		4
Principles of Economics (D2)	EC 202		4
Introduction to Microcomputing	CIS 101 <sup>1</sup>		4
<b>Total Units</b>			<b>16-20</b>

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.	
<b>Total Units</b>	<b>0-8</b>

**Other Major (Plan) Requirements**

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

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

American Cultural Perspectives Requirement	Units
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.		

No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree.  
A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.