

Name:	
Plan:	

SubPlan/Option:

Business Administration, B.S.

Computer Information Systems

Min. Units Required: 120 units

2021-2022 University Catalog Degree Curriculum Sheet

lajor Required	51 units	Information Security and Forensics Emphasis	18 units	<b>General Education I</b>	Requirements		48 Units	
ACC2070 - Financial Accounting for Decision Making (3) ACC2080 - Managerial Accounting for Decision Making (3) BUS2500 - Applied Business Communication (3)		Emphasis Recommended		Students should view their Degree Progress Report (DPR) for information regarding the General Education requirements. Unless specific GE courses are required for their major			their	
		CIS2650 - Contemporary Operating Systems (3)						
US4950 - Strategic Management (3) IS1010 - Introduction to Personal Computing (3) <sup>1</sup>		CIS2670 - IT Infrastructure (3) Emphasis Other	10	units refer to the list of approved courses in the General Education Program in the University Catalog, catalog.cpp.edu. When viewing the catalog, students should select the catalog year associated with the GE requirements listed in their Degree Progress Report.				
IS1010 - Management Information Systems (3)								
C2201 - Principles of Microeconomics (3)		Select 4 courses:			communication and Critical Thinkin			
22202 - Principles of Macroeconomics (3) RL2013 - The Legal Environment of Business and its Transactions (3)		CIS3470 - Telecommunication Networks (3) CIS4333 - Information Systems Auditing (3)		At least 3 units from each s	ıb-area			
RL3000 - Managerial Finance (3)		CIS4670 - Network Security (3)		1. Oral Communication				
M3012 - Principles of Marketing Management (3) AT1250 - Introductory Calculus for Business (3) (B4)		CIS4710 - Information Security (3) CIS4810 - Computer Forensics (3)		2. Written Communicati	on			
HR3010 - Principles of Management (3)		Business Intelligence Emphasis	18 units	3. Critical Thinking				
MHR3020 - Organizational Behavior (3) (D4) STA1200 - Statistics with Applications (3) (B4) FOM3010 - Operations Management (3)		Emphasis Recommended		Area B. Scientific Inquiry and Quantitative Reasoning (12 units) At least 3 units from B1, B2, B4, and B5 including 1 unit of lab from B1 or B2 to fulfill B3 1. Physical Sciences			II B3	
		CIS2100 - Programming for Business Analytics (3)	0 units				100	
DM3020 - Statistical Foundations for Business Analytics (3)		CIS2670 - IT Infrastructure (3)		2. Life Sciences				
Note(s):		Emphasis Other	12 units	3. Laboratory Activity				
All students in any College of Business Administration subplan, and all other students taking		Select 4 courses:		4. Mathematics/Quantita	5			
entain business courses, must demonstrate proficiency with specific personal compute oftware packages. The proficiency must be demonstrated prior to taking any business	s course	CIS3454 - Data Warehousing (3)		5. Science and Technol				
with the term "personal computer proficiency" in the prerequisite list. Some business courses identify specific personal computer packages in their prerequisite list. In these cases, proficiency in the noted packages must be demonstrated prior to taking the course. 1 Personal Computer Proficiency must be demonstrated by satisfying one of the following three alternatives: 1) CIS 1010. 2) personal computer proficiency test in Word. Excel. Access. and		CIS3650 - Web and Mobile Analytics (3) CIS4321 - Data Mining (3)		<ul> <li>Area C. Arts and Humanities (12 units)</li> <li>At least 3 units from each sub-area and 3 additional units from sub-areas 1 and/or 2</li> <li>1. Visual and Performing Arts</li> <li>2. Literature, Modern Languages, Philosophy and Civilization</li> </ul>			,	
		CIS4567 - Big Data Analytics (3)					:	
		CIS4680 - Advanced Data Analytics (3)						
		Personal Computer Proficiency Requirement		3. Arts and Humanities Synthesis				
owerPoint, or 3) an approved college course. There are no units associated with the p	personal	1 (see policy statement in College of Business Administration introductory section).		Area D. Social Sciences (9	units)			
proputer proficiency test. If the test is passed, then electives in subplan selected may b creased by 3 units.	be			At least 3 units from each s				
	9 units			1. U.S. History and Ame				
ubplan/Option Required IS3050 - Database Design and Development (3)	9 units			2. U.S. Constitution and				
IS3090 - Object-Oriented Programming for Business (3)			<ol> <li>Social Science Synthesis</li> <li>Area E. Lifelong Learning and Self-Development (3 units)</li> </ol>					
IS3252 - Business Intelligence (3)				Area F. Ethnic Studies (3 ur				
	18 units			Interdisciplinary Ge	,		18 Units	
CIS Career Emphases								
ne Computer Information Systems Department (CIS) has established three career em e maior: Application Development. Information Security and Forensics, and Business	nphases in				al fulfillment of GE Areas A, C, an ucation (IGE) program. Students s			
telligence. Any combination of courses listed below will satisfy the required 18 units. E					their major. Please refer to the Ur			
are listed to provide guidance for helping students to choose courses of interest that best fit your career goals, but there is no requirement for choosing a specific emphasis for fulfilling these units. Consultation on emphasis selection is available through the CIS Department Advisor.				Program section for additional information.				
					IGE fulfills General Education Re	•		
				Year	Completion of IGE Courses	Satisfies GE Requ	irements	
tudents must have earned a grade of "C" (2.0) or better in CIS 3050, CIS 3090, and 252 before registering for any career emphasis course.	u 013			First	IGE 1100, IGE 1200	A2 and C2		
	18 units			Second/Third	IGE 2150, IGE 2250	D1 and C2		
Emphasis Recommended	6 units				IGE 2350	C1		
IS3110 - Client-side Web Development (3)	U UIIILO				IGE 3100	C3 or D4		
IS4290 - IS Project Management and Development (3)				American Institution	IS		6 Units	
Emphasis Other	12 units			Courses that satisfy this requirement may also satisfy GE Area D1 and D2. Graduation Writing Test				
elect 4 courses: IS4230 - Artificial Intelligence Applications in Business (3)				All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the semester following completion of 60 units for undergraduates.				