BS IN BUSINESS ADMINISTRATION (MANAGEMENT INFORMATION SYSTEMS)

Units required for Major: 69
Total units required for BS: 120

Program Description

The Management Information Systems concentration provides the analytical framework and the methodology to analyze, design, implement, and manage complex computer-based information/decision systems.

Information is recognized as a resource of the organization and is the common link binding the elements of the organization together. As organizations grow in size and complexity, the need for better and more timely information and for improved decision making techniques becomes critical for effective management.

Note: The use of the words "business administration" throughout this section refers to courses designated as Accountancy (ACCY), Accounting Information Systems (AIS), Decision Sciences (DS), Entrepreneurship (ENTR), Finance (FIN), General Management (GM), Human Resources/Organizational Behavior (HROB), International Business (IBUS), Management (MGMT), Management Information Science (MIS), Marketing (MKTG), and Operations Management (OPM).

Note: Students graduating with a Bachelor of Science in Business Administration (all concentrations) will not be subject to the University's Foreign Language Graduation Requirement. Students who change major may be subject to the University's Foreign Language Graduation Requirement.

Note: At least 15 units of upper division business administration courses must be taken in residence at (or under the auspices of) California State University, Sacramento. Of these 15 units, a minimum of nine units must be in upper division courses in the concentration.

Pre-Requisite Requirements

A student **may not enroll** in any of the Major program or Concentration courses until he/she has completed the Pre-Requisite lower division program with a grade of "C-" or better in each course and an overall GPA of 2.0 ("C"), with the exception of MATH 24 which requires a minimum acceptable grade of "C" or better.

Students enrolled as Expressed Interest in Business may enroll in the following courses after completing the lower division pre-requisite requirements:

Code	Title	Units
MIS 15	Introduction to Business Programming (for MIS majors only)	3
DS 101	Introduction to Business Analytics	3
MGMT 102	Business Communications	3
HROB 101	The Management of Contemporary Organizations	3

Computer Literacy

All business majors must meet spreadsheet competency **prior** to taking upper division courses in the major. This requires completing MIS 10 (or equivalent).

Minimum Grade Requirements

The purpose of this requirement is to assure that all business administration students attain the minimum level of competency in all their coursework required for the business administration degree.

The minimum acceptable grade for any undergraduate course required for the business administration degree is "C-" with the exception of MATH 24 which requires a minimum acceptable grade of "C" or better.

A minimum grade point average of 2.0 ("C") is required in the Pre-Requisite courses, Major Core courses, and the Concentration courses presented for the degree.

Program Requirements

Code	Title	Units
Required Lower Division (Pre-Requisites) Courses (21 Units)		
ACCY 1	Accounting Fundamentals	3
ACCY 2	Managerial Accounting	3
ECON 1A	Introduction to Macroeconomic Analysis [1]	3
ECON 1B	Introduction to Microeconomic Analysis [1]	3
MATH 24	Modern Business Mathematics [1]	3
MGMT 10	Introduction to Business Law	3
STAT 1	Introduction to Statistics [1]	3
Total Units		**21**

[1]   Course also satisfies General Education (GE)/Graduation Requirement.

When enrolled in the last of the pre-requisite courses, students must file the supplemental business application to officially apply to Business Administration as their major.

Students who do not complete the required prerequisites as presented in the following Business Major program are subject to being administratively dropped from courses in which they are inappropriately enrolled.

Code	Title	Units
Required Upper Division (Major) Core Courses (24 Units)		
DS 101	Introduction to Business Analytics	3
FIN 101	Business Finance	3
GM 105	Strategic Management	3
HROB 101	The Management of Contemporary Organizations	3
MGMT 102	Business Communications	3
MIS 101	Computer Information Systems for Management	3
MKTG 101	Principles Of Marketing	3
OPM 101	Operations Management	3
Total Units		**24**

Management Information Systems (MIS) Concentration (24 units)

Code	Title	Units
Required Courses (18 Units)		
MIS 15	Introduction to Business Programming	3
MIS 140	Business Data Communication	3
MIS 150	Database Systems for Business	3
MIS 160	Systems Development Life Cycle	3
MIS 161	Information Systems Practicum	3
MIS 170	Information Systems Security	3
Electives (6 Units)		
Select two of the following:		6
GEOG 109	Geographic Information Systems	
MIS 120	Advanced Object-Oriented Business Programming	
MIS 122	Object-Oriented Programming for Business in Java	
MIS 124	Web Development for Business Applications	
MIS 125	Mobile Business Application Development	
MIS 163	Business Process Engineering and ERP Configuration	
DS 110	Data Mining for Business Analytics	
DS 115	Advanced Business Analytics	
MIS 171	Enterprise Resource Planning Systems	
MIS 181	Machine Learning Applications in Business	
MIS 182	Topics In MIS	
MIS 183	Business Intelligence Applications	
MIS 194	Cooperative Education Experience in Management Information Systems [1]	
BUS 162	Project Management	
Total Units		**24**

[1] Only 3 units of a 12-unit Co-op MIS 194 may count as an elective. A 12-unit Co-op is an approved full-time position in an approved work site. Please see the CBA Student Affairs Office (TAH 2065) for full details.

General Education Requirements [1]

Code	Title	Units
Area A: Basic Subjects (9 Units)		
A1 - Oral Communication		3
A2 - Written Communication		3
A3 - Critical Thinking		3
Area B: Physical Universe and Its Life Forms (10 Units)		
B1 - Physical Science		3
B2 - Life Forms		3
B3 - Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5)		1
B4 - Math Concepts [2]		0
B5 - Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements.		3
Area C: Arts and Humanities (12 Units)		
C1 - Arts		3
C2 - Humanities		3
C1/C2 - Area C Course		3
C1/C2 - Area C Course - Take upper-division course to complete Area & upper division requirements.		3
Area D: The Individual and Society (6 Units)		
Area D Course		3
Area D Course [2]		0
Area D Course - Take upper-division course to complete Area & upper division requirements.		3
Area E: Understanding Personal Development (3 Units)		
Area E Course		3
Area F: Ethnic Studies (3 Units)		
Area F Course		3
Total Units		**43**

[1] To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (http://catalog.csus.edu/colleges/academic-affairs/general-education/). **Note:** There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (http://www.csus.edu/acad/), by phone (916) 278-1000, or email (advising@csus.edu).

[2] Required in Major; also satisfies GE.

Graduation Requirements [1]

Code	Title	Units
Graduation Requirements (required by CSU) (9 Units)		
American Institutions: U.S. History		3
American Institutions: U.S. Constitution & CA Government		3
Writing Intensive (WI)		3
Graduation Requirements (required by Sacramento State) (6 Units)		
English Composition II		3
Race and Ethnicity in American Society (RE)		3
Foreign Language Proficiency Requirement [2]		0

[1] To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (http://catalog.csus.edu/colleges/academic-affairs/general-education/). **Note:** There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (http://www.csus.edu/acad/), by phone (916) 278-1000, or email (advising@csus.edu).

[2] If not satisfied before entering Sacramento State, it may be satisfied in General Education Area C2 (Humanities). "C- or better required." The alternative methods for satisfying the Foreign Language Proficiency Requirement are described here: https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html
Note: Students with a declared major of BS in Business Administration (all concentrations) are exempt from the Foreign Language Graduation Requirement.