



College of Business  
 Office of Student Engagement  
 Undergraduate Business Advising Center  
 Tahoe Hall 1030 – (916) 278-2499 (BIZZ) – [cba-ugrad@csus.edu](mailto:cba-ugrad@csus.edu)  
 Upper Division Major Worksheet (see reverse for lower division requirements)

## MANAGEMENT INFORMATION SYSTEMS

### Upper Division Major Core Requirements (24 units)

Course	Grade	Institution/Semester Taken	Equivalent Course	Prerequisites/Notes
<i>The following courses are open to expressed interest in business students who have completed the lower division requirements:</i>				
DS 101 – Data Analysis for Managers				(MATH 24 and STAT 1)
HROB 101 – Mgmt of Contemporary Org				(junior standing)
MGMT 102 – Business Communication				(junior standing)
<i>Students must be approved into the upper division business major in order to enroll in the following courses:</i>				
FIN 101 – Business Finance				
MKTG 101 – Principles of Marketing				
OPM 101- Operations Management				(DS 101; concurrent enrollment ok)
MIS 101 – Computer Info Systems for Management				
GM 105 – Strategic Management				(DS 101, HROB 101, MGMT 102, FIN 101, MKTG 101, OPM 101)

### Concentration Requirements (24 units)

Course	Grade	Institution/Semester Taken	Equivalent Course	Prerequisites/Notes
<b>Required Courses (18 units)</b>				
MIS 15 – Introduction to Business Programming				
MIS 140 – Business Data Communication				
MIS 150 – Data Systems for Business				
MIS 160 – Systems Development Life Cycle				(MIS 101, MGMT 102)
MIS 161 – Information Systems Practicum				(MIS 15, MIS 150, MIS 160)
MIS 170 – Information Systems Security				(MIS 140)
<b>Elective Courses (6 units) - Select 6 units of elective courses from the following:</b>				
BUS 162 – Project Management				(MGMT 102)
DS 115 – Management Science Techniques				(DS 110)
GEOG 109 – Geographic Info. Systems				
MIS 120 – Advanced Object-Orientated Business Programing				(MIS 15)
MIS 122 – Object-Oriented Programming for Business in Java				(MIS 15 or CSC 15)
MIS 124++ – Web Development for Business Applications				(MIS 120)
MIS 125 – Mobile Business App Development				(MIS 15)
MIS 163+ – Business Process Engineering & ERP Configuration				
MIS 171++ – Enterprise Resource Planning Systems				(MIS 101)
MIS 181 – Machine Learning Applications in Business				(DS 101 and. MIS 150 or MIS 151)
MIS 182 – Topics in MIS				(MIS 150, MIS 160)
MIS 183++ – Business Intelligence App.				
MIS 194 – Co-op Education Experience in MIS				(MIS 160, minimum overall Sac State GPA of 2.75)

+ Typically offered Fall semester only

++ Typically offered Spring semester only



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 Business Administration Major Worksheet  
 Effective Fall 2021

**Lower Division Requirements (23 units)**

All lower division requirements must be **completed** at the time of application to the upper division major.

Course	Grade	Institution/Semester Taken	Equivalent Course	Prerequisites/Notes
MIS 10 – Business Applications (Spreadsheets)				
ACCY 1 – Accounting Fundamentals				
ACCY 2 – Managerial Accounting				(ACCY 1)
ECON 1A – Introduction to Macroeconomics				
ECON 1B – Introduction to Microeconomics				
MATH 24 – Modern Business Mathematics				(ALEKS PPL) Calculus course ok as substitution
MGMT 10 – Introduction to Business Law				
STAT 1 – Introduction to Statistics				(ALEKS PPL)

- The Business Administration major is **impacted**.
- Applicants will be **ranked based on overall GPA and lower division major GPA**.
- Minimum GPA to **apply** is 2.4, however, this does not guarantee admission to the program. Actual GPA cut-offs have been higher.
- GPA cutoffs for the past few semesters have been in the 2.90/3.00 range.
- All lower division requirements must be completed at the time of application.
- The number of students admitted to the major each semester will **vary** depending on faculty resources.

**Where to apply:**

The application can be found on your online Student Center- bottom right corner under “Forms”.

**When to apply online:**

**Spring Semester**

If finishing computer literacy/lower division courses by the end of the previous Summer, the application will be available September 1.

Supplemental online business application due:

**October 15**

**Fall Semester**

If finishing computer literacy/lower division courses by the end of the previous Fall, the application will be available February 1.

Supplemental online business application due:

**March 15**