BUSINESS ADMINISTRATION (BUSINESS ANALYTICS) BS + BUSINESS ANALYTICS MS SF STATE SCHOLARS ROADMAP

The San Francisco State Scholars program provides undergraduate students with an accelerated pathway to a graduate degree. Students in this program pursue a bachelor's and master's degree simultaneously. This program allows students to earn graduate credit while in their junior and/or senior year, reducing the number of semesters required for completion of a master's degree.

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult your Degree Planner (https://registrar.sfsu.edu/degreeplanner/) and an advisor for further guidance.

To avoid taking additional units, it is recommended that you meet the **SF State Studies** (AERM, GP, ESCA, SJ) requirements within your GE or major.

Course	Title	Units
First Year		
Fall Semester		
ECON 101	Introduction to Microeconomic Analysis (Major Prerequisite, GE 4)	3
Select One (Major Prerequisite, GE 2): [1]		3
DS 110	Calculus with Business Applications	
MATH 110	Business Calculus	
GE Area 1A: English Composition [2]		3
GE Area 1: English Communication		3
GE Area 3: Arts and Humanities		3
	Units	**15**
Spring Semester		
ECON 102	Introduction to Macroeconomic Analysis (Major Core, GE 4)	3
ISYS 263	Introduction to Information Systems (Major Prerequisite, GE 4, GP)	3
GE Area 1: English Communication		3
GE Area 5: Physical and Biological Sciences [3]		3-4
SF State Studies or University Elective		3
	Units	**15-16**
Second Year		
Fall Semester		
ACCT 100	Introduction to Financial Accounting (Major Core)	3
Select One (Major Core):		3
DS/ECON 212	Business Statistics	
MATH 124	Elementary Statistics	
GE Area 3: Arts and Humanities		3
GE Area 4: Social and Behavioral Sciences with USH		3
GE Area 5: Physical and Biological Sciences [3]		3-4
	Units	**15-16**
Spring Semester		
ACCT 101	Introduction to Managerial Accounting (Major Core)	3
DS 412	Operations Management (Major Core)	3
GE Area 6: Ethnic Studies (https://bulletin.sfsu.edu/undergraduate-education/general-education/areasix/)		3
U.S. and California Government (https://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg)		3
SF State Studies or University Elective		3
	Units	**15**
Third Year		
Fall Semester		
FIN 350	Business Finance (Major Core)	3
Select One (Major Concentration):		3
DS 601	Applied Management Science	
ECON 618	Economic Inference: Methods and Applications	
ISYS 363	Information Systems for Management (Major Core)	3
MKTG 431	Principles of Marketing (Major Core)	3
SF State Studies or University Elective		3
	Units	**15**
Spring Semester		
BUS 682	Seminar on Business and Society (Major Core)	3
DS 660GW	Communications for Business Analytics - GWAR (Major Core)	3
MGMT 405	Introduction to Management and Organizational Behavior (Major Core)	3
GE Area 2UD: Upper-Division Mathematical Concepts or GE Area 5UD: Upper-Division Sciences		
SF State Studies or University Elective		3
	Units	**12**

Fourth Year

Fall Semester

DS 853	Applied Multivariate Analysis (Graduate Core, Major Concentration) [4]	3
IBUS 330	International Business and Multicultural Relations (Major Core, GE 4UD)	3
ISYS 812	Programming and Applications for Data Analytics (Graduate Core, Major Concentration) [4]	3
Major Elective [5]		3
GE Area 3UD: Upper-Division Arts or Humanities		3
	Units	**15**

Spring Semester

BUS 690	Seminar in Business Policy and Strategic Management (Major Core)	3
DS 612	Data Mining with Business Applications (Major Concentration)	3
ISYS 850	Seminar in Business Intelligence (Graduate Core, Major Concentration) [4]	3
ISYS 864	Data Management for Analytics (Graduate Core, Major Concentration) [4]	3
SF State Studies or University Elective		3
	Units	**15**

Fifth Year

Fall Semester

DS 861	Data Mining and Advanced Statistical Methods for Business Analysts (Graduate Core)	3
Graduate Electives - Take Two [6]		6
	Units	**9**

Spring Semester

BUS 895	Research Project in Business (Culminating Experience)	3
DS 862	Machine Learning for Business Analysts (Graduate Core)	3
Graduate Electives [6]		3
	Units	**9**
	Total Units	**135-137**

[1] Students should use their Pathway/Category (https://gatorsmartstart.sfsu.edu/pathways/) to determine the appropriate GE 2 course option. For directions on how to view your Pathway/Category, visit how to find your pathway (https://gatorsmartstart.sfsu.edu/howtofindyourpathways/). Questions? Contact Gator Smart Start. (https://gatorsmartstart.sfsu.edu/)

[2] Students should use their Pathway/Category (https://gatorsmartstart.sfsu.edu/pathways/) to determine the appropriate GE 1A course option. For directions on how to view your Pathway/Category, visit how to find your pathway (https://gatorsmartstart.sfsu.edu/howtofindyourpathways/). Questions? Contact Gator Smart Start. (https://gatorsmartstart.sfsu.edu/)

[3] Consider taking a class combined with a laboratory or a separate lab to fulfill 5C if not already satisfied.

[4] **Double Counting**

For the purposes of this SF Scholars program, the following graduate courses also fulfill the given undergraduate courses:
- DS 853 fulfills DS 312 or ECON 312
- ISYS 812 fulfills ISYS 412
- ISYS 850 fulfills ISYS 650
- ISYS 864 fulfills ISYS 464

[5] **Major Elective (3 units)**

A full list of courses that can fulfill this requirement can be found in the Degree Requirements (https://bulletin.sfsu.edu/colleges/business/decision-sciences/bs-business-administration-concentration-business-analytics/#degreerequirementstext).

[6] **Graduate Electives (9 units)**

A full list of courses that can fulfill this requirement can be found in the Degree Requirements (https://bulletin.sfsu.edu/colleges/business/ms-business-analytics/#degreerequirementstext).