

BUSINESS ADMINISTRATION (DECISION SCIENCES) 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 2)	
GE Area 5: Physical and Biological Sciences ³		3-4
GE Area 4: Social and Behavioral Sciences with USH		3
SF State Studies or University Elective		3
		Units 15-16
Spring Semester		
ACCT 101	Introduction to Managerial Accounting (Major Core)	3
GE Area 3: Arts and Humanities		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
GE Area 5UD or 2UD: Upper-Division Sciences or Upper-Division Mathematical Concepts		3
		Units 15
Third Year		
Fall Semester		
DS 412	Operations Management (Major Core)	3
IBUS 330	International Business and Multicultural Relations (Major Core, GE 4UD, GP)	3
ISYS 363	Information Systems for Management (Major Core)	3
Major Concentration (12 Units Total) ⁴		3
Major Approved Elective (9 Units Total) ⁵		3
		Units 15
Spring Semester		
Select One (Major Core):		3
BUS 300GW	Business Communication for Professionals - GWAR	
DS 660GW	Communications for Business Analytics - GWAR (Major Concentration) ⁶	
Major Concentration (12 Units Total) - Take Two ⁴		6
Major Approved Elective (9 Units Total) ⁵		3
GE Area 3UD: Upper-Division Arts or Humanities		3
		Units 15
Fourth Year		
Summer Semester		
SF State Studies or University Elective - Take Two		6
		Units 6

Fall Semester

FIN 350	Business Finance (Major Core)	3
ISYS 850	Seminar in Business Intelligence (Graduate Core)	3
MGMT 405	Introduction to Management and Organizational Behavior (Major Core)	3
MKTG 431	Principles of Marketing (Major Core)	3
Major Concentration (12 Units Total) ⁴		3

Units 15**Spring Semester**

BUS 682	Seminar on Business and Society (Major Core)	3
BUS 690	Seminar in Business Policy and Strategic Management (Major Core)	3
DS 853	Applied Multivariate Analysis (Graduate Core)	3
ISYS 812	Programming and Applications for Data Analytics (Graduate Core)	3
Major Approved Elective (9 Units Total) ⁵		3

Units 15**Fifth Year****Summer Semester**

SF State Studies or University Elective	3
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Units 3**Fall Semester**

DS 861	Data Mining and Advanced Statistical Methods for Business Analysts (Graduate Core)	3
ISYS 864	Data Management for Analytics (Graduate Core)	3
Graduate Elective (9 units) - Take Two ⁷		6

Units 12**Spring Semester**

DS 862	Machine Learning for Business Analysts (Graduate Core)	3
BUS 895	Research Project in Business (Culminating Experience)	3

Graduate Elective (9 units) ⁷	3
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Units 9**Total Units 150-152**

¹ 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/>)

² 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/>)

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

⁴ Concentration Courses (12 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-decision-sciences/#degree requirementstext>).

⁵ Approved 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/decision-sciences/bs-business-administration-concentration-decision-sciences/#degree requirementstext>).

⁶ DS 660GW can satisfy both the core course requirement and one of the four required concentration courses.

⁷ 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/#degree requirementstext>).