

# BACHELOR OF SCIENCES IN BUSINESS ADMINISTRATION: CONCENTRATION IN DECISION SCIENCES ROADMAP – QUANTITATIVE REASONING CATEGORY III/IV

120 Total Units Required

Minimum Number of Units in the Major: 69

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, ES, SJ) requirements within your GE or major.

Course	Title	Units
<b>First Semester</b>		
ECON 101	Introduction to Microeconomic Analysis (Major Prerequisite, GE 4)	3
MATH 107	Mathematics for Business Calculus I (Major Prerequisite) <sup>1</sup>	3
GE Area 1A: English Composition <sup>2</sup>		3
GE Area 1: English Communication		3
GE Area 3: Arts and Humanities		3
		<b>Units 15</b>
<b>Second Semester</b>		
ECON 102	Introduction to Macroeconomic Analysis (Major Core, GE 4)	3
MATH 108	Mathematics for Business Calculus II (Major Prerequisite, GE 2) <sup>1</sup>	3
GE Area 1: English Communication		3
GE Area 5: Physical and Biological Sciences <sup>3</sup>		3-4
SF State Studies or University Elective		3
		<b>Units 15-16</b>
<b>Third Semester</b>		
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)	

ISYS 263	Introduction to Information Systems (Major Prerequisite, GE 4, GP)	3
GE Area 4: Social and Behavioral Sciences with USH		3
GE Area 5: Physical and Biological Sciences <sup>3</sup>		3-4
		<b>Units 15-16</b>
<b>Fourth Semester</b>		
ACCT 101	Introduction to Managerial Accounting (Major Core)	3
GE Area 3: Arts and Humanities		3
GE Area 6: Ethnic Studies ( <a href="https://bulletin.sfsu.edu/undergraduate-education/general-education/areasix/">https://bulletin.sfsu.edu/undergraduate-education/general-education/areasix/</a> )		3
U.S. and California Government ( <a href="https://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg">https://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg</a> )		3
SF State Studies or University Elective		3
		<b>Units 15</b>
<b>Fifth Semester</b>		
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) - Take One <sup>4</sup>		3
Major Approved Elective (9 Units Total) - Take One <sup>5</sup>		3
		<b>Units 15</b>
<b>Sixth Semester</b>		
Select One (Major Core):		3
BUS 300GW	Business Communication for Professionals - GWAR	
DS 660GW	Communications for Business Analytics - GWAR (Major Concentration) <sup>6</sup>	
Major Concentration (12 Units Total) - Take One <sup>4</sup>		3
Major Approved Elective (9 Units Total) - Take One <sup>5</sup>		3
GE Area 3UD: Upper-Division Arts or Humanities		3
SF State Studies or University Elective		3
		<b>Units 15</b>
<b>Seventh Semester</b>		
FIN 350	Business Finance (Major 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) - Take One <sup>4</sup>		3
GE Area 5UD or 2UD: Upper-Division Sciences or Upper-Division Mathematical Concepts		3
<b>Units</b>		<b>15</b>
<b>Eighth Semester</b>		
BUS 682	Seminar on Business and Society (Major Core)	3
BUS 690	Seminar in Business Policy and Strategic Management (Major Core)	3
Major Approved Elective (9 Units Total) - Take One <sup>5</sup>		3
SF State Studies or University Elective - Take Two		6
<b>Units</b>		<b>15</b>
<b>Total Units</b>		<b>120-122</b>

<sup>1</sup> 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 \(https://gatorsmartstart.sfsu.edu/howtofindyourpathways/\)](https://gatorsmartstart.sfsu.edu/howtofindyourpathways/). Questions? Contact Gator Smart Start. (<https://gatorsmartstart.sfsu.edu/>)

<sup>2</sup> 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 \(https://gatorsmartstart.sfsu.edu/howtofindyourpathways/\)](https://gatorsmartstart.sfsu.edu/howtofindyourpathways/). Questions? Contact Gator Smart Start. (<https://gatorsmartstart.sfsu.edu/>)

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

<sup>4</sup> **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/#degreerequirementstext>).

<sup>5</sup> **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/#degreerequirementstext>).

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