

# BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: CONCENTRATION IN DECISION SCIENCES – BUSINESS ADMINISTRATION ASSOCIATE DEGREE FOR TRANSFER (ADT) WITH 15 LOWER-DIVISION UNITS ROADMAP

This is a sample pathway for students who transfer to San Francisco State University in the current Bulletin year with an AS-T in Business Administration (VERSION 2.0, established Spring 2021). 15 units in the major [ACCT 100/ACCT 101, DS 212, ECON 101/ECON 102] and all lower-division GE requirements have been satisfied. Additional units in the major may have been satisfied. Check with a major advisor about the most appropriate course sequence. **Degree completion guaranteed in 60 units; see the Associate Degree for Transfer (ADT) section for more information** (<http://bulletin.sfsu.edu/undergraduate-admissions/transfer-students/>).

## To Do at SF State:

Enough total units to reach 120 minimum for graduation; 30 units minimum at the upper division level; to include the following:

### University-Wide Requirements: 9-15 units

- American Institutions (0–6 units): US History, US Government, California State and Local Government requirements if not met pre-transfer.
- Upper-Division GE Areas B, C, and D (9 units): Courses required for the major may double-count if approved for UD GE.
- Students entering the major with the AS-T in Business Administration with a concentration in Decision Sciences are not required to fulfill SF State Studies requirements.

### BS in Business Administration: Concentration in General Business major: 48-54 units

ACCT 100/ACCT 101, DS 212, ECON 101/ECON 102 met in transfer.

- Prerequisites (0-6 units): DS 110 or MATH 110 and ISYS 263 if not met in transfer.
- Upper-division core courses for Business majors (27 units)
- Concentration (21 units) – Twelve units of Concentration Courses and 9 units of Concentration Electives

### University Electives: 0 or more units

Depends on course choices made at the community college, how transferred units are applied to the requirements above, and course choices at SF State - some courses may meet more than one requirement, e.g. in both UD GE and in the major.

Course	Title	Units
<b>First Semester</b>		
ISYS 263	Introduction to Information Systems (Major Prerequisite, D1, GP)	3
MGMT 405	Introduction to Management and Organizational Behavior (Major Core)	3
MKTG 431	Principles of Marketing (Major Core)	3
Major Concentration (12 units) - Take One <sup>1</sup>		3
Select One (Major Prerequisite, B4):		
DS 110	Calculus with Business Applications	
MATH 110	Business Calculus	
		<b>Units 12</b>
<b>Second Semester</b>		
DS 412	Operations Management (Major Core)	3
IBUS 330	International Business and Multicultural Relations (Major Core)	3
ISYS 363	Information Systems for Management (Major Core)	3
Select One (UD-C, USH, USG/CSLG):		3
HIST 470	The U.S. Constitution to 1896 (AERM, SJ)	
HIST 471	The U.S. Constitution Since 1896 (AERM, SJ)	
Major Concentration (12 units) - Take One <sup>1</sup>		3
		<b>Units 15</b>
<b>Third Semester</b>		
DS 660GW	Communications for Business Analytics - GVAR (Major Core and Concentration)	3
FIN 350	Business Finance (Major Core)	3
Major Concentration (12 units) - Take One <sup>2</sup>		3
Concentration Elective (9 units) - Take One <sup>2</sup>		3
GE Area UD-B: Upper-Division Physical and/or Life Sciences		3
		<b>Units 15</b>
<b>Fourth Semester</b>		
BUS 682	Seminar on Business and Society (Major Core)	3

BUS 690	Seminar in Business Policy and Strategic Management (Major Core)	3
Concentration Elective (9 units) - Take Two <sup>2</sup>		6
University Elective		3
<b>Units</b>		<b>15</b>
<b>Total Units</b>		<b>57</b>

<sup>1</sup> **Concentration Courses (12 units)**

Select 12 credit hours from the following:

- DS 310 Critical Data Analysis for Business (3 units)
  - DS 311 Technologies in Data Analytics (3 units)
  - DS 312 Data Analysis with Computer Applications (3 units)
  - DS 314 Project Management Tools (3 units)
  - DS 408 Computer Simulation (3 units)
  - DS 601 Applied Management Science (3 units)
  - DS 604 Applied Business Forecasting (3 units)
  - DS 612 Data Mining with Business Applications (3 units)
  - DS 624 Quality Management (3 units)
  - DS 655 Sustainable Supply Chain Optimization (3 units)
  - DS 660GW Communications for Business Analytics - GVAR (3 units)
- Note:** DS 660GW can satisfy both the core course requirement and one of the four required concentration courses.

<sup>2</sup> **Concentration Electives (9 units)**

Please select three courses from the list below. Students may also use additional courses from the Concentration Courses list above. If you're interested in a course that is not in either of these lists, ask your Decision Sciences faculty adviser about it and they will consider it, provided the course is analytical in nature. Decision Sciences majors should take at least two of their electives from the same department. Be sure to check course prerequisites and be aware that some departments may limit their courses to majors.

Any DS concentration option above not already used to satisfy a requirement

- Any upper-division ACCT course
- Any 200-level or higher CSC course
- Any upper-division ECON course except ECON 690GW
- Any upper-division FIN course except FIN 350
- Any upper-division ISYS course except ISYS 363
- Any upper-division MATH course
- BUS 354 Starting a Small Business (3 units)
- BUS 450 Greening of Business (3 units)
- ENG 620 Introduction to Computational Linguistics (3 units)
- ENG 680 Applied Computational Linguistics (3 units)
- IBUS 430 Import-Export Management and Small Business Operations (3 units)
- IBUS 590 International Environmental Analysis (3 units)
- IBUS 690 Global Strategic Management (3 units)
- MKTG 436 Retail Management (3 units)
- MKTG 441 Business-to-Business Marketing (3 units)
- MKTG 469 Digital Marketing (3 units)
- MKTG 632 Marketing Research (3 units)
- MKTG 660 Marketing Analytics (3 units)