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 Schedule

#### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ISYS 263</td>
<td>Introduction to Information Systems (Major Prerequisite)</td>
</tr>
<tr>
<td>MGMT 405</td>
<td>Introduction to Management and Organizational Behavior (Major Core)</td>
</tr>
<tr>
<td>MKTG 431</td>
<td>Principles of Marketing (Major Core)</td>
</tr>
<tr>
<td>Major Concentration (12 units) - Take One</td>
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#### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>DS 110</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>MATH 110</td>
<td>Business Calculus</td>
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#### Third Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>DS 660GW</td>
<td>Communications for Business Analytics - GWAR (Major Core and Concentration)</td>
</tr>
<tr>
<td>FIN 350</td>
<td>Business Finance (Major Core)</td>
</tr>
<tr>
<td>Major Concentration (12 units) - Take One</td>
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</tbody>
</table>

#### Fourth Semester

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BUS 682</td>
<td>Seminar on Business and Society (Major Core)</td>
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</table>
BUS 690 Seminar in Business Policy and Strategic Management (Major Core) 3

Concentration Elective (9 units) - Take Two 2 6

University Elective 3

Units 15

Total Units 57

1 **Concentration Courses (12 units)**
Select 12 credit hours from the following:
- DS 311 Technologies in Data Analytics (3 units)
- DS 312 Data Analysis with Computer Applications (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 - GWAR (3 units)

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

2 **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)