

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: CONCENTRATION IN INFORMATION SYSTEMS ROADMAP

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 an advisor in your major program for further guidance.

Course	Title	Units
First Semester		
ECON 101	Introduction to Microeconomic Analysis (Major Prerequisite, D1)	3
ENG 114	Writing the First Year. Finding Your Voice (A2) ¹	3
Select One (Major Prerequisite, B4): ²		3
DS 110	Calculus with Business Applications	
MATH 110	Business Calculus	
GE Area A ³		3
GE Area C		3
		Units 15
Second Semester		
ECON 102	Introduction to Macroeconomic Analysis (Major Core, D1)	3
ISYS 263	Introduction to Information Systems (Major Prerequisite)	3
GE Area A		3
GE Area B: Life Science (B2) and Laboratory Science (B3) ⁴		3-4
GE Area E		3
		Units 15-16
Third Semester		
ACCT 100	Introduction to Financial Accounting (Major Core)	3
Select One (Major Core):		3
DS 212	Business Statistics	
MATH 124	Elementary Statistics (B4)	
GE Area B: Physical Science (B1) and Laboratory Science (B3) ⁴		3-4
GE Area D: U.S. History (D2)		3

SF State Studies or University Elective		3
		Units 15-16
Fourth Semester		
ACCT 101	Introduction to Managerial Accounting (Major Core)	3
GE Area C - Take Two		6
GE Area F [±]		3
U.S. and California Government (http://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg)		3
		Units 15
Fifth Semester		
BUS 300GW	Business Communication for Professionals - GVAR (Major Core)	3
FIN 350	Business Finance (Major Core)	3
IBUS 330	International Business and Multicultural Relations (Major Core, UD-D, GP)	3
ISYS 350	Building Business Applications (Major Concentration)	3
ISYS 363	Information Systems for Management (Major Core)	3
		Units 15
Sixth Semester		
ISYS 463	Information Systems Analysis and Design (Major Concentration)	3
ISYS 464	Managing Enterprise Data (Major Concentration)	3
MGMT 405	Introduction to Management and Organizational Behavior (Major Core)	3
MKTG 431	Principles of Marketing (Major Core)	3
GE Area UD-C: Upper-Division Arts and/or Humanities		3
		Units 15
Seventh Semester		
DS 412	Operations Management (Major Core)	3
ISYS 565	Managing Enterprise Networks (Major Concentration)	3

ISYS 663	Information Technology Project Management (Major Concentration)	3
Major Concentration Elective - Take One ⁵		3
GE Area UD-B: Upper-Division Physical and/or Life Sciences		3
Units		15
Eighth Semester		
BUS 682	Seminar on Business and Society (Major Core)	3
BUS 690	Seminar in Business Policy and Strategic Management (Major Core)	3
Major Concentration Elective - Take One ⁵		3
SF State Studies or University Elective - Take Two		6
Units		15
Total Units		120-122

¹ ENG 114 can only be taken if you complete Directed Self-Placement (DSP) and select ENG 114; if you choose ENG 104/ENG 105 through DSP you will satisfy A2 upon successful completion of ENG 105 in the second semester; multilingual students may be advised into alternative English courses.

² To determine the best B4 course option, students should complete the online advising activity at mathadvising.sfsu.edu (<https://mathadvising.sfsu.edu/>). Questions? Contact Gator Smart Start. (<https://gatorsmartstart.sfsu.edu/>)

³ 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.

⁴ Consider taking a class combined with a laboratory or a separate lab to fulfill B3 if not already satisfied.

⁵ **Major Concentration Electives (6 units)**

ISYS 412 Application Development for Data Analytics (3 units)

ISYS 475 Building Web Applications with Open Source Software (3 units)

ISYS 512 Business Application Design and Development with .NET (3 units)

ISYS 556 Building Mobile Business Applications (3 units)

ISYS 567 Information Systems Internship (3 units)

ISYS 568 Multimedia Business Applications Development (3 units)

ISYS 569 Information Systems for Business Process Management (3 units)

ISYS 573 New Advances in IT in Organizations (3 units)

ISYS 575 Information Security Management (3 units)

ISYS 650 Business Intelligence (3 units)

± Given catalog rights, fall 2023 transfer students do not need to complete an Area F course.