

INFORMATION SYSTEMS – BUSINESS SYSTEMS

DEGREE REQUIREMENTS (18 UNITS)

CATALOG YEAR 2021 - Present

IS-BS provides a diverse array of business and information systems electives for analyst and compliance/governance/audit type of positions.

****All Information Systems majors must earn a grade of "C" or higher in all IS courses**

BUSINESS SYSTEMS OPTION CORE REQUIREMENTS (6 UNITS)

IS 335 Building Enterprise Architecture (3)
Prerequisite: Grade of "C" or higher in COMP 110/L and IS 212

IS 355 Application Development (3)
Prerequisite: Grade of "C" or higher in COMP 110/L and IS 212

BUSINESS SYSTEMS OPTION ELECTIVE AREA B (12 UNITS)

- Select 12 units from the following courses
- All 400-level IS courses require a grade of "C" or higher in BUS 312 and grade of CR in BUS 302L

IS 457 Advanced Telecommunications and Networking (3)
Additional Prerequisites: A grade of "C" or higher in IS 431, IS 435, and IS 441

IS 497A-Z Special Topics (3)
Additional Prerequisites: A grade of "C" or higher in IS 431, IS 435, and IS 441

IS 498C Internship (3)
Prerequisites: Consent of instructor; Approval of Program Chair

IS 499C Independent Study (3)
Prerequisites: Consent of instructor; Approval of Program Chair

SOM 485 Decision Support Systems (3)
Prerequisites: SOM 306 and IS 312; BUS 312+302L are prerequisites for business majors

REQUIRED INFORMATION SYSTEMS CORE COURSES

LOWER DIVISION BUSINESS CORE REQUIREMENTS (27 UNITS)

ACCT 220	Intro to Financial Accounting (3) <i>Prerequisite: Grade of "C" or higher in MATH 103 or higher-level mathematics course and Sophomore standing</i>
ACCT 230	Intro to Managerial Accounting (3) <i>Prerequisite: Grade of "C" or higher in MATH 103 or higher-level mathematics course and ACCT 220</i>
ECON 160	Principles of Microeconomics (3) <i>Prerequisite: (1) GE-level Mathematics and (2) GE-level Written Communication or completion of 113A or 114A.</i>
ECON 161	Principles of Macroeconomics (3) <i>Prerequisite: 1) GE-level Mathematics and (2) GE-level Written Communication or completion of 113A or 114A. ECON 160</i>
IS 212**	Information Systems for Business Users (3)
SOM 120	Basic Business Statistics (3) <i>Prerequisite: Grade of "C" or higher in MATH 103 or higher-level mathematics course</i> NOTE: The 4-unit MATH 140 course also satisfies this requirement
ENGL 205	Business Communication (3) <i>Prerequisite: Completion of lower division writing requirement: GE (A2); Recommended Preparatory: GE (A1); IS 212</i>
BLAW 280	Business Law I (3) <i>Prerequisite: Completion of lower division writing requirement: GE (A2) and sophomore standing</i>
MATH 103	Mathematical Methods for Business (3) <i>Prerequisite based on placement</i> •Cat 1 placement requires MATH 103 only •Cat 2 placement requires corequisite of MATH103L •Cat 3 + 4 placement requires MATH103TRIO; (corequisite of MATH103 + MATH103L + MATH91B)

NOTE: MATH 103 or higher-level mathematics course must be completed with a "C" or higher

UPPER DIVISION BUSINESS CORE REQUIREMENTS (19 UNITS)

BUS 302	Gateway Experience (3) <i>Prerequisite: Junior Standing, Lower Division Business Core: ACCT 220, ACCT 230, ECON 160, ECON 161, IS 212, SOM 120 or MATH 140, ENGL 205, BLAW 280, and MATH 103</i>
BUS 302L	Gateway Lab (1) <i>Prerequisite: Junior Standing, Lower Division Business Core: ACCT 220, ACCT 230, ECON 160, ECON 161, IS 212, SOM 120 or MATH 140, ENGL 205, BLAW 280, and MATH 103</i>
FIN 303	Financial Management (3) • <i>Prerequisite: For non-business majors: ACCT220; ECON160; Stats</i> • <i>Pre/Corequisite for Business Majors: BUS 312 + BUS 302L</i>
MGT 360	Management and Org. Behavior (3) <i>Pre/Corequisite for Business Majors: BUS 312+BUS 302L</i>
MKT 304	Marketing Management (3) • <i>Prerequisite: For non-business majors:</i> 1) ECON160; Stats or 2) ECON160; BUS104 • <i>Pre/Corequisite for Business Majors: BUS 312 + BUS302L</i>
SOM 306	Operations Management (3) • <i>Prerequisite: For non-business majors: MATH103; SOM120 or MATH140</i> • <i>Pre/Corequisite for Business Majors: BUS 312 + BUS302L</i>
BUS 497	Capstone: Strategic Management (3) <i>Prerequisite: BUS 312+302L, FIN 303, MGT 360, MKT 304; Graduating senior standing</i>

INFORMATION SYSTEMS CORE REQUIREMENTS (19 UNITS)

	<ul style="list-style-type: none">• <i>All Information Systems majors must earn a grade of "C" or higher in all IS courses</i>• <i>***All IS 400-level courses require completion of grade of "C" or higher in BUS 312 and CR in BUS 302L</i>
COMP 110/L	Introduction to Algorithms and Programming and Lab (3+1) <i>Prerequisites: Grade of "C" or better in MATH 102, 103, 104, 105, 150A or 255A, or a passing score on the Math Placement Test (MPT) that satisfies pre-requisites for MATH 150 or 255A</i> COMP 110 + COMP 110L are co-requisites
IS 312**	Systems and Technologies for Business Managers (3) <i>Prerequisite: ACCT 220 and Grade of "C" or higher in IS 212</i>
IS 431***	Systems Analysis and Design (3) <i>Additional Prerequisite: Grade of "C" or higher in IS 312</i>
IS 435***	Business Data Networks and Cybersecurity (3) <i>Additional Prerequisite: Grade of "C" or higher in IS 312</i>
IS 441***	Database Management Systems (3) <i>Additional Prerequisite: Grade of "C" or higher in IS 312</i>
IS 451***	Enterprise Systems and Project Management (3) <i>Additional Prerequisites: Grade of "C" or higher in IS 431 and 435</i>

Transfer students should be aware that no grade lower than a "C" will be accepted on transfer from another institution to satisfy department or David Nazarian College of Business and Economics requirements.

NOTE: BUS302 no longer offered after Spring 2024. BUS 302 (if previously completed) will be honored in place of any BUS 312 prerequisite requirement