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 **Field Assignments and Reports - Information Systems (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)**
Prerequisite: Grade of "C" or higher in MATH 103 or higher-level mathematics course and Sophomore standing

ACCT 230 — **Intro to Managerial Accounting (3)**
Prerequisite: Grade of "C" or higher in MATH 103 or higher-level mathematics course and ACCT 220

ECON 160 — **Principles of Microeconomics (3)**
Prerequisite: (1) GE-level Mathematics and (2) GE-level Written Communication or completion of 113A or 114A.

ECON 161 — **Principles of Macroeconomics (3)**
Prerequisite: 1) GE-level Mathematics and (2) GE-level Written Communication or completion of 113A or 114A. ECON 160

IS 212** — **Information Systems for Business Users (3)**

SOM 120 — **Basic Business Statistics (3)**
Prerequisite: Grade of "C" or higher in MATH 103 or higher-level mathematics course
NOTE: The 4-unit MATH 140 course also satisfies this requirement

ENGL 205 — **Business Communication (3)**
Prerequisite: Completion of lower division writing requirement: GE (A2); Recommended Preparatory: GE (A1); IS 212

BLAW 280 — **Business Law I (3)**
Prerequisite: Completion of lower division writing requirement: GE (A2) and sophomore standing

MATH 103 — **Mathematical Methods for Business (3)**
Prerequisites: Eligibility for GE Level Mathematics

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)**
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

BUS 302L — **Gateway Lab (1)**
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

FIN 303 — **Financial Management (3)**
Pre/Corequisite for Business Majors: BUS 312 + BUS 302L

MGT 360 — **Management and Org. Behavior (3)**
Pre/Corequisite for Business Majors: BUS 312+BUS 302L

MKT 304 — **Marketing Management (3)**
Pre/Corequisite for Business Majors: BUS 312 + BUS 302L

SOM 306 — **Operations Management (3)**
Pre/Corequisite for Business Majors: BUS 312 + BUS 302L

BUS 497 — **Capstone: Strategic Management (3)**
Prerequisite: BUS 312+302L, FIN 303, MGT 360, MKT 304; Graduating senior standing (in final semester)

INFORMATION SYSTEMS CORE REQUIREMENTS (19 UNITS)

- *All Information Systems majors must earn a grade of "C" or higher in all IS courses*
- ****All IS 400-level courses require completion of grade of "C" or higher in BUS 312 and CR in BUS302L*

COMP 110/L — **Introduction to Algorithms and Programming and Lab (3+1)**
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; COMP 110 + COMP 110L are co-requisites

IS 312** — **Systems and Technologies for Managers (3)**
Prerequisite: ACCT 220 and Grade of "C" or higher in IS 212

IS 431*** — **Systems Analysis and Design (3)**
Additional Prerequisite: Grade of "C" or higher in IS 312

IS 435*** — **Business Data Networks and Cybersecurity (3)**
Additional Prerequisite: Grade of "C" or higher in IS 312

IS 441*** — **Database Management Systems (3)**
Additional Prerequisite: Grade of "C" or higher in IS 312

IS 451*** — **Enterprise Systems and Project Management (3)**
Additional Prerequisites: Grade of "C" or higher in IS 431 and 435

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