

INFORMATION SYSTEMS – HEALTH SYSTEMS

DEGREE REQUIREMENTS (18 UNITS)

CATALOG YEAR 2021 - Present

IS-HS provides a focus of health informatics electives for IT positions in the healthcare industry.

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

HEALTH 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

HEALTH SYSTEMS OPTION ELECTIVE AREA B (12 UNITS)

- Select 12 units from the following courses
- *All 400-level IS courses require at least a grade of "C" or higher in BUS 312 and grade of CR in BUS 302L
- If class note states that it is restricted to Health Science/Health Admin, contact Health Science department

HSCI 314 **Organization and Delivery of Health Services (3)**
Prerequisites: Health Science majors only - contact Health Science dept for enrollment assistance

HSCI 391 **Computer Applications in Health Science (3)**
Prerequisites: None

HSCI 412 **Medical Care Organization in the U.S.**
Prerequisites: HSCI 314; Health Admin majors only - contact Health Science dept for enrollment assistance

HSCI 415 **Health Information Systems**
Prerequisites: HSCI 412; Health Admin majors only - contact Health Science dept for enrollment assistance

IS 498C* **Field Assignments and Reports - Information Systems (3)**
Additional Prerequisites: Consent of instructor; Approval of Program Chair

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

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>Prerequisites: Eligibility for GE Level Mathematics</i>

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>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>Pre/Corequisite for Business Majors: BUS 312+BUS 302L</i>
SOM 306	Operations Management (3) <i>Pre/Corequisite for Business Majors: BUS 312+BUS 302L</i>
BUS 497	Capstone: Strategic Management (3) <i>Prerequisite: BUS 312+302L, FIN 303, MGT 360, MKT 304; Graduating senior standing (in final semester)</i>

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 BUS 302L

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; COMP 110 + COMP 110L are co-requisites</i>
IS 312**	Systems and Technologies for 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: BUS 302 no longer offered after Spring 2024. BUS 302 (if previously completed) will be honored in place of any BUS 312 prerequisite requirement