



Information Science and Technology B.S. Sample Four Year Schedule for Curriculum Effective Fall 2025

Freshman First Semester	Credits
BUS 1810 Introduction to College Success	1
IS&T 1551 Implementing Information Systems: User Perspective	3
IS&T 1750 Introduction to Management Information Systems	3
ENGLISH 1120 Exposition and Argumentation ³	3
Science Elective ^{1,3}	3
Science Lab ³	1

Freshman Second Semester	Credits
BUS 1110 Introduction to Management and Entrepreneurship	3
BUS 1210 Financial Accounting	3
IS&T 1552 Implementing Information Systems: Data Perspective (IS&T 1551)	3
MATH 1210 Calculus I-A ³ (\geq C in MATH 1120/1140, or Placement Exam)	5
PSYCH 1101 General Psychology ³	3

Sophomore First Semester	Credits
ERP 2110 Introduction to Enterprise Resource Planning (IS&T 1750)	3
SP&MS 1185 Principles of Speech ³	3
ECON 1200 Principles of Macroeconomics ³	3
FINANCE 2150 Corporate Finance I (BUS 1210)	3
Fine Art or Humanities Elective ^{2,3}	3

Sophomore Second Semester	Credits
IS&T 3420 Introduction to Data Science and Management (IS&T 1552)	3
ECON 1100 Principles of Microeconomics ³	3
ENGLISH 2560/TECHCOM 2560 Technical Marketing Communication ³ (ENGLISH 1120)	3
STAT 3111 Statistical tools for Decision Making (Calculus) OR STAT 1115 Statistics for Social Sciences	3
Science Elective ^{1,3}	3

A grade of "C" or better is required in the following courses for graduation; BUS 1110, BUS 1210, BUS 1810, BUS 5980, ECON 1100, ECON 1200, ERP 2110, FINANCE 2150, MKT 3110, IS&T 1551, IS&T 1552, IS&T 1750, IS&T 3333, IS&T 3343, IS&T 3420, IS&T 3423, IS&T 4444, IS&T 4654, IS&T 5420, IS&T 5520, IS&T 5725 and all IS&T Electives (can include BUS 5730, BUS 5910, COMP SCI 4700, COMP SCI 5601, or any IS&T or ERP designated course at the 3000-level or above).

1 General education elective courses in two of the following areas: biology, chemistry, geology, or physics must fulfill the Missouri S&T general education requirements applicable to the students catalog year.

2 General education elective courses in two of the following areas: art, history, music, or theater must fulfill the Missouri S&T general education requirements applicable to the students catalog year.

3 General education discipline required course. These fulfill the Missouri S&T general education requirements applicable to the student's catalog year.



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Junior First Semester	Credits
IS&T 3333 Data Networks and Information Security (≥Sophomore standing)	3
IS&T 3423 Database Management (IS&T 1750; ≥"C" grade in IS&T 1552)	3
IS&T 4654 Introduction to Web Design and Digital Media Studies	3
IS&T Elective	3
Free Elective	3

Junior Second Semester	Credits
IS&T 3343 Systems Analysis (IS&T 3423)	3
IS&T 4444 Introduction to Data Warehouses (IS&T 3423)	3
IS&T Elective	3
MKT 3110 Marketing	3
POL SCI 1200 American Government ³	3

Senior First Semester	Credits
IS&T 5520 Data Science and Machine Learning with Python (IS&T 1552; Statistics; programming knowledge)	3
IS&T 5725 Fundamentals of Cybersecurity Analytics	3
IS&T Electives	6
Free Electives	5

Senior Second Semester	Credits
BUS 5980 Business Models for Entrepreneurship & Innovation (Senior Standing)	3
IS&T 5420 Business Analytics and Data Science (calculus, statistics; programming knowledge)	3
IS&T Elective	3
Free Elective	3

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(Course prerequisites for required courses, for electives, see course catalog).