MISSOURI S&T

Business and Information Technology Department

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	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 1110 General Psychology[3]	3

Sophomore First Semester	Credits
ERP 2110 Intoduction 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 Microceconomics[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 all of the following courses for graduation: IS&T 1551, IS&T 1552, IS&T 1750, IS&T 4654, ERP 2110, FINANCE 2150, FINANCE 5310, MKT 3110, MKT 5310 or BUS 5310, ECON 1100, ECON 1200, BUS 1110, BUS 1210, BUS 2910, BUS 3220, BUS 5111, BUS 5360, BUS 5580, BUS 5730, BUS 5980, and all Business Electives (any BUS, ERP, FINANCE, MKT, or IS&T designated course at the 3000-level or above).

1 Any course in two of the following areas: Biology, Chemistry, Geology, or Physics.
2 Any course in the following areas: Art, history, music, or theater.
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

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).