**Information Science and Technology B.S.**

Sample Four-Year Schedule (Effective Fall 2025)

**Freshman Year**

📘 First Semester

• BUS 1810 Introduction to College Success (1 cr)

• IS&T 1551 Implementing Information Systems: User Perspective (3 cr)

• IS&T 1750 Introduction to Management Information Systems (3 cr)

• ENGLISH 1120 Exposition and Argumentation (3 cr)

• Science Elective (3 cr) + Science Lab (1 cr)

📘 Second Semester

• BUS 1110 Introduction to Management and Entrepreneurship (3 cr)

• BUS 1210 Financial Accounting (3 cr)

• IS&T 1552 Implementing Information Systems: Data Perspective (3 cr)

• MATH 1210 Calculus I-A (5 cr)

• PSYCH 1101 General Psychology (3 cr)

**Sophomore Year**

📗 First Semester

• ERP 2110 Introduction to Enterprise Resource Planning (3 cr)

• SP&MS 1185 Principles of Speech (3 cr)

• ECON 1200 Principles of Macroeconomics (3 cr)

• FINANCE 2150 Corporate Finance I (3 cr)

• Fine Art or Humanities Elective (3 cr)

📗 Second Semester

• IS&T 3420 Introduction to Data Science and Management (3 cr)

• ECON 1100 Principles of Microeconomics (3 cr)

• ENGLISH/TECHCOM 2560 Technical Marketing Communication (3 cr)

• STAT 3111 Statistical Tools for Decision Making OR STAT 1115 Statistics for Social Sciences (3 cr)

• Science Elective (3 cr)

**Junior Year**

📙 First Semester

• IS&T 3333 Data Networks and Information Security (3 cr)

• IS&T 3423 Database Management (3 cr)

• IS&T 4654 Introduction to Web Design & Digital Media Studies (3 cr)

• IS&T Elective (3 cr)

• Free Elective (3 cr)

📙 Second Semester

• IS&T 3343 Systems Analysis (3 cr)

• IS&T 4444 Introduction to Data Warehouses (3 cr)

• IS&T Elective (3 cr)

• MKT 3110 Marketing (3 cr)

• POL SCI 1200 American Government (3 cr)

**Senior Year**

📕 First Semester

• IS&T 5520 Data Science & Machine Learning with Python (3 cr)

• IS&T 5725 Fundamentals of Cybersecurity Analytics (3 cr)

• IS&T Electives (6 cr)

• Free Electives (5 cr)

📕 Second Semester

• BUS 5980 Business Models for Entrepreneurship & Innovation (3 cr)

• IS&T 5420 Business Analytics & Data Science (3 cr)

• IS&T Elective (3 cr)

• Free Elective (3 cr)

**Graduation Requirements**

A grade of “C” or better is required in all IST core and elective courses, as well as required business courses.

General education electives must meet Missouri S&T catalog requirements in science and humanities.

(See course catalog for prerequisites and elective options.)