



## Information Science and Technology B.S. Sample Four Year Schedule for Curriculum Effective Fall 2026

Freshman First Semester	Credits
<b>BUS 1810</b> Introduction to College Success	1
<b>IS&amp;T 1551</b> Implementing Information Systems: User Perspective	3
<b>IS&amp;T 1750</b> Introduction to Management Information Systems	3
<b>ENGLISH 1120</b> Exposition and Argumentation <sup>3</sup>	3
Science Elective <sup>1,3</sup>	3
Science Lab <sup>3</sup>	1

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

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

Sophomore Second Semester	Credits
<b>IS&amp;T 3333</b> Data Networks and Information Security (≥Sophomore standing)	3
<b>ECON 1100</b> Principles of Microeconomics <sup>3</sup>	3
<b>ENGLISH 2560/TECHCOM 2560</b> Technical Marketing Communication <sup>3</sup> (ENGLISH 1120)	3
<b>STAT 1115</b> Statistics for Social Sciences	3
Science Elective <sup>1,3</sup>	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.

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Junior First Semester	Credits
<b>IS&amp;T 3420</b> Introduction to Data Science and Management (IS&T 1552)	3
<b>IS&amp;T 3423</b> Database Management (IS&T 1750; $\geq$ "C" grade in IS&T 1552)	3
<b>IS&amp;T 4654</b> Introduction to Web Design and Digital Media Studies	3
IS&T Elective	3
Free Elective	3

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

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

Senior Second Semester	Credits
<b>BUS 5980</b> Business Models for Entrepreneurship & Innovation (Senior Standing)	3
<b>IS&amp;T 5420</b> 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).