# Missouri S&T | Business and Information Technology

## Information Science and Technology B.S.
## Sample Four Year Schedule for Curriculum Effective Fall 2024

### Freshman First Semester

| Course | 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 |
| Mathematical Science or Science Elective[1] | 4 |

### Freshman Second Semester

| Course | Credits |
|---|---|
| BUS 1110 Introduction to Management and Entrepreneurship | 3 |
| BUS 1210 Financial Accounting | 3 |
| IS&T 1552 Implementing Information Systems: Data Perspective | 3 |
| MATH 1212 Survey of Calculus | 4 |
| PSYCH 1101 General Psychology | 3 |

### Sophomore First Semester

| Course | Credits |
|---|---|
| ERP 2110 Introduction to Enterprise Resource Planning | 3 |
| SP&MS 1185 Principles of Speech | 3 |
| ECON 1200 Principles of Macroeconomics | 3 |
| Mathematical Science Elective or Science Elective[1] | 3 |
| Fine Art, Social Science, or Humanities Elective[3] | 3 |

### Sophomore Second Semester

| Course | Credits |
|---|---|
| IS&T 3420 Introduction to Data Science and Management | 3 |
| ECON 1100 Principles of Microeconomics | 3 |
| ENGLISH 2560/TECHCOM 2560 Technical Marketing Comm. | 3 |
| STAT 3111 Stat. Tools or STAT 1115 Stats for Social Sciences | 3 |
| Science Elective[2] | 3 |

### Junior First Semester

| Course | Credits |
|---|---|
| FINANCE 2150 Corporate Finance I | 3 |
| IS&T 3333 Data Networks and Information Security | 3 |
| IS&T 3423 Database Management | 3 |
| IS&T 4654 Intro to Web Design and Digital Media Studies | 3 |
| IS&T Elective | 3 |

### Junior Second Semester

| Course | Credits |
|---|---|
| IS&T 3343 Systems Analysis | 3 |
| IS&T 4444 Intoduction to Data Warehouses | 3 |
| IS&T Elective | 3 |
| MKT 3110 Marketing | 3 |
| POL SCI 1200 American Government | 3 |

### Senior First Semester

| Course | Credits |
|---|---|
| IS&T 5520 Data Science & Machine Learning with Python | 3 |
| IS&T 5725 Fundamentals of Cybersecurity Analytics | 3 |
| IS&T Elective | 3 |
| IS&T Elective | 3 |
| Free Elective | 3 |

### Senior Second Semester

| Course | Credits |
|---|---|
| BUS 5980 Business Models for Entrepreneurship and Innovation | 3 |
| IS&T 5420 Business Analytics and Data Science | 3 |
| IS&T Elective | 3 |
| Free Elective | 3 |
| Free Elective | 3 |

A grade of "C" or better is required in all of the following:  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 Mathematical Science is defined as MATH, STAT, COMP SCI, or IS&T course not covered in the degree program. For definition of Science, refer to footnote 2.
2 Any course in the following areas: biology, chemistry, geology, geological engineering, physics.
3 Any course in the following areas not used for other degree requirements: art, economics, English, foreign language, history, literature, music, philosophy, political science, psychology, sociology, theater.