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| **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 Argumentation3 | 3 |
| Science Elective**1,3** | 3 |
| Science Lab3 | 1 |

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| **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** (≥C in MATH 1120/1140, or Placement Exam) | 5 |
| **PSYCH 1101** General Psychology**3** | 3 |

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| **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 |

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| **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 Communication3 (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 desig- nated 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 educa- tion 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 re- quirements 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 |

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| **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 Government3 | 3 |

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| **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 |

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| **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 |

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 desig- nated course at the 3000-level or above).

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