Minors in the Department of Business and Information Technology

At least 6 hours of the minor course work must be taken in residence at Missouri S&T

Business Analytics & Data Science
The minor in Business Analytics and Data Science requires the following 15 hours of coursework:

- IST 1750 (50) Introduction to Management Information Systems
- IST 3423 (223) Database Management
- IST 3420 Introduction to Data Science & Management
- IST 4450 Introduction to Information Visualization
- IST 5420 Business Analytics & Data Science

Business and Management Systems
The minor in Business and Management Systems requires the following 15 hours of coursework:

- BUS 1110 (110) Introduction to Management and Entrepreneurship
- BUS 1210 (120) Financial Accounting
- MKT 3110 (311) Marketing
- FIN 2150 (250) Corporate Finance I
- ECON 1100 (121) or ECON 1200 (122)

Digital Supply Chain Management
The Minor in Digital Supply Chain Management requires 15 hours of coursework:

- BUS 5360 (360) Business Operations
- OR MECH ENG 3653 (253) Manufacturing
- ERP 5310 (347) Supply Chain Management Systems in an ERP Environment
- ERP 4610 (342) Customer Relationship Management in ERP Environment

Any two of:
- ERP 5410 (345) Use of Business Intelligence
- ERP 5110 (346) Enterprise Resource Planning Systems Design and Implementation
- MECH ENG 5708 (308) Rapid Product Design and Optimization
- MECH ENG 5656 (356) Design for Manufacture
- MECH ENG 5757 (357)/ENG MGT 5515 (354) Integrated Product and Process Design
- MECH ENG 5763 (363) Principles and Practice of Computer Aided Design

*Non Business & Information Technology students must select ERP 346 as one of the two electives.

Enterprise Resource Planning (ERP)
The ERP minor provides the student an introduction to the area of ERP. ERP can be viewed as a combination of business management practice and technology, where Information Technology integrates with a company's core business processes to enable the achievement of specific business. The minor requires 15 credit hours.

- BUS 1210 (120) Financial Accounting
- ERP 2110 (246) Introduction to ERP
- ERP 5110 (346) ERP Systems Design and Implementation

Any Six hours of ERP 4000 level or above, (IST 444/6444* may count as 3 hours of this requirement)

*This is unusual, but there is a form that will allow exceptional cases.

Students with a minor in ERP will be eligible for a Missouri S&T-SAP Certificate of Excellence, by the SAP Corp.
Electronic and Social Commerce
The Electronic and Social Commerce minor is designed to create successful students by developing skills in technological business practices that will provide opportunities for succeeding in today’s fast paced world.

The Minor in Electronic and Social Commerce requires the following 15 hours of coursework:

- IST 4641 (241): Electronic and Mobile Commerce

Any four of:
- IST 4335 (335) Fundamentals of Mobile Technology for Business
- IST 5251 (351) Technological Innovation Management & Leadership
- IST 5652 (352) Advanced Web Development
- IST 5168 (368) Law and Ethics in E-Commerce
- IST 5885 (385) Human-Computer Interaction
- IST 5886 (386) Prototyping Human-Computer Interactions
- MKT 5310 (331) Digital Marketing and Promotions
- MKT 4580 (380) Marketing Strategy

Entrepreneurship
Change and Growth in Missouri and America are requiring trained, nourished, and flourishing entrepreneurs. This program is designed to create successful technological entrepreneurs by developing skills and a mindset that will provide success.

The Minor in Entrepreneurship requires the following 15 hours of coursework:

- BUS 1110 (110) Introduction to Management and Entrepreneurship
- BUS 5980 (396) Business Models for Entrepreneurship and Innovation
- MKT 5310 (331) Digital Marketing and Promotions

Any two of:
- BUS 4150 (350) Customer Focus and Satisfaction
- BUS 5580 (380) Strategic Management
- IST 4641 (241) Electronic and Social Commerce
- IST 4654 (286) Web and Digital Media Development
- IST 4335 (335) Fundamentals of Mobile Technology for Business
- IST 5251 (351) Technological Innovation Management & Leadership
- IST 5886 (386) Prototyping Human-Computer Interactions
- ENG MGT 5511 (320) Technical Entrepreneurship
- ENG MGT 5411 (374) Engineering Design Optimization

Finance
The Finance minor provides the student an introduction to the area of corporate finance. Whether looking to pursue a graduate degree in finance or start a finance career, the Finance minor offers excellent preparation. The minor requires 15 credit hours of coursework:

- FIN 2150 (250) Corporate Finance I
- ECON 1100 (121) or ECON 1200 (122)

Three additional Finance electives at the 3000 level or above (Undergraduate Research is acceptable).

Human-Computer Interaction and User Experience
The minor in Human-Computer Interaction and User Experience requires the following 15 hours of coursework:

- IST 4654 (286) Web and Digital Media Development
- IST 4680 (380) Introduction to Web and New Media Studies
- IST 5885 (385) Human-Computer Interaction
- IST 5886 (386) Prototyping Human-Computer Interactions
- IST 5887 (387) Human-Computer Interaction Evaluation
Information Science and Technology
The Information Science and Technology minor includes the following 15 hours of coursework:

- IST 1750 (50) Introduction to Management Information Systems
- IST 1551 (51) Implementing Information Systems: User Perspective
- IST 1552 (151) Implementing Information Systems: Data Perspective
- ERP 2110 (246) Introduction to Enterprise Resource Planning
- One additional IST or ERP course at the 2000 level or above.

Management
The Minor in Management requires the following 15 hours of coursework:

- BUS 1110 (110) - Introduction to Management and Entrepreneurship

Any One of:

- BUS 2910 (230) - Business Law
- BUS 3115 (315) - Introduction to Teambuilding and Leadership
- BUS 5360 (360) - Business Operations
- BUS 5580 (380) - Strategic Management
- IST 4261 (361) - Information Systems Project Management

Any Three of:

- BUS 4111 (311) - Business Negotiations
- BUS 4150 (350) - Customer Focus and Satisfaction
- BUS 5470 (370) - Human Resource Management
- EMgt 3320 (254) - Introduction to Project Management

Marketing
The Marketing minor provides the student an introduction to the area of marketing. Whether looking to pursue a graduate degree in marketing or start a marketing career, the Marketing minor offers excellent preparation. The minor in Marketing consists of 15 hours made up of the following courses:

- MKT 3110 (311) Marketing
- ECON 1100 (121) or ECON 1200 (122)

Any Three of:

- MKT 3210 (321) – Consumer Behavior
- MKT 5310 (331) – Digital Marketing and Promotions
- MKT 4150 (350) – Customer Focus and Satisfaction
- MKT 4580 (380) – Marketing Strategy
- ERP 4610 (342) – Customer Relationship Management

Mobile Business and Technology
The Minor in Mobile Business and Technology requires the following 15 hours of coursework:

- IST 4641 (241) Electronic and Mobile Commerce
- IST 4335 (335) Fundamentals of Mobile Technology for Business
- ERP 5240 (341) Enterprise Portal and Mobile Application Development

Any Two of:

- IST 3333 (233) Data Networks & Information Security
- IST 5652 (352) Advanced Web Development
- IST 5886 (386) Prototyping Human-Computer Interactions
- ERP 4610 (342) Customer Relationship Management in ERP Environment
- ERP 5310 (347) Supply Chain Management Systems in an ERP Environment
- ERP 5210 (348) Performance Dashboard, Scorecard and Data Visualization