Department of Business and Information Technology

101 Fulton Hall, 301 West 14th Street
Rolla, MO 65409
573-341-7216 (phone) 573-341-4812 (fax)
email: bit@mst.edu
http://bit.mst.edu

Undergraduate Degrees:
B.S. in Business & Management Systems
B.S. in Information Science & Technology

Graduate Degrees:
Masters in Business Administration (M.B.A.)
M.S. in Information Science & Technology
national recognition.

AACBS Accredited - The Association to Advance Collegiate Schools of Business
Only 5% of business schools in the world are AACSB Accredited

No. 4 “Best Return on Investment” among public universities (Payscale.com, 2015)

No. 7 “Best college value among national public universities”

No. 26 “Best Online Graduate Computer Information Technology Programs”
(U.S. News & World Report, 2015)

No. 28 “Best Online Graduate Business Programs” (US News & World Report, 2015)

No. 55 “Best Online Graduate MBA Programs” (US News & World Report, 2015)

grad facts.

$77,214
Average M.S. IST Starting Salary

$61,167
Ave MBA Starting Salary

$55,918
Ave IST Starting Salary

$54,750
Ave BUS Starting Salary

Sources: Missouri Department of Higher Education Tuition & Fees and Payscale.com 2014-2015
by the numbers.

**Enrollment by Degree**

<table>
<thead>
<tr>
<th>Degree</th>
<th>Number</th>
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<tbody>
<tr>
<td>Business</td>
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<tr>
<td>IST</td>
<td>106</td>
</tr>
<tr>
<td>MBA</td>
<td>55</td>
</tr>
<tr>
<td>MS IST</td>
<td>83</td>
</tr>
</tbody>
</table>

**Faculty**

- Full-Time Professors: 18
- Part-Time Professors: 5

**Student Demographics**

- Male: 236
- Female: 121

Student-to-faculty ratio: 16:1

**66.1% Male**

**33.8% Female**

small department. big impact.

Capitalizing on the strong technological emphasis of Missouri University of Science and Technology (S&T), the Department of Business and Information Technology prepares professionals for careers in modern business organizations. The Department emphasizes management through technology with particular focus on information systems and their application in a fast changing, global and competitive environment.
our faculty.

Keng Siau, Ph.D.
Department Chair
Professor

Carla Bates, M.S.
Assistant Teaching Professor

Yu-Hsien Chiu, M.S.
Assistant Chair
Associate Teaching Professor

Craig Claybaugh Ph.D.
Assistant Professor

Cassie Elrod, Ph.D.
Associate Professor

LiLi Eng, Ph.D.
Associate Professor

Barry Flachsbart, Ph.D.
Professor

Nobuyuki Fukawa, Ph.D.
Assistant Professor

Richard Hall, Ph.D.
Professor

Ralph Hanke, Ph.D.
Assistant Professor

Michael Hilgers, Ph.D.
Professor

Bih-Ru Lea, Ph.D.
Associate Professor

Fiona Nah, Ph.D.
Professor

Sarah Stanley, Ph.D.
Assistant Professor

Nathan Twyman, Ph.D.
Assistant Professor

Vincent (Wen-Bin) Yu, Ph.D.
Associate Professor

Hongxian Zhang, Ph.D.
Assistant Professor
degree programs.

Undergraduate

B.S. Business & Management Systems
B.S. Information Science & Technology

Minors Offered

- Business Analytics & Data Science
- Business & Management Systems
- Digital Supply Chain Management
- Electronic & Social Commerce
- Enterprise Resource Planning (ERP)
- Entrepreneurship

- Finance
- Human-Computer Interaction & User Experience
- Information Science & Technology
- Marketing
- Management
- Mobile Business & Technology

ONE YEAR Graduate Program

We are offering graduate degrees customized for our undergraduate students. This program allows a Senior to complete some graduate coursework as an undergraduate student with dual enrollment status! (Available for one or two semesters depending on GPA)

The program allows two advantages:
1. complete some graduate coursework at undergraduate tuition rates
2. complete your MBA in ONE YEAR after your undergraduate degree!

Graduate

Master of Business Administration (MBA)
M.S. Information Science & Technology

Graduate Certificates

- Business Analytics & Data Science
- Business Intelligence
- Digital Media
- Digital Supply Chain Management
- Electronic and Social Commerce
- Enterprise Resource Planning
- Entrepreneurship and Technological Innovation
- Human Computer Interaction
- Management & Leadership
- Mobile Business Technology
- Project Management
The Information Age

Business professionals face the daunting task of sifting through the staggering reams of data produced every moment. They must evaluate and analyze it. They must be able to manage, store, and retrieve it as business needs demand. This requires complex information management systems.

Holistic Approach

BIT views information technology and business as inseparable, each deeply integrated into the other. Education must not draw lines between subjects but rather approach business and information systems in a unified fashion seeking to bring out the benefits of both.

Unique Perspectives

Business and Management Systems differs from traditional business degrees because of its focus on the role of information technology in business management and its operations.

Business professionals must understand the nature and impact of IT-based decisions. They must value information and the technology that manages it as well as to be able to rightly justify the cost.

Information Science and Technology differs from other computing fields because of its focus on people and the work they do. It is about business and how computers are used by people to reach company goals.

People employed in information science must understand business function, operation, and market realization. They must be able to develop and apply the components of the system so as to build sustainable and profitable businesses.

Bachelor of Science

Common Core Courses

Financial Accounting
Corporate Finance
Marketing
Intro to Mgmt and Entrepreneurship
Business Models for Entrepreneurship & Innovation
Intro to Mgmt Info Systems
Implementation of Info Systems I
Implementation of Info Systems II
Intro to Enterprise Resource Planning

Personalize your Degree

Minors

Business Analytics & Data Science
Business & Management Systems
Digital Supply Chain Management
Electronic & Social Commerce
Enterprise Resource Planning (ERP)
Entrepreneurship
Finance

Human-Computer Interaction & User Experience
Information Science & Technology
Marketing
Management
Mobile Business & Technology

flexibility. technology.
As a student in Business and Management Systems, your classes will include a business core consisting of courses in financial accounting, managerial accounting, management and organizational behavior, business law, marketing, finance, operations, statistics, and strategic management. Your undergraduate degree will also emphasize the role of technology in business. Graduates in this field analyze organizational needs to provide technology-enabled management and operations solutions.

To prepare yourself for a beginning career in business, you may also opt for a Minor in Business Analytics & Data Science, Electronic and Social Commerce, Enterprise Resource Planning (ERP), Entrepreneurship, Finance, Human-Computer Interaction, Information Science & Technology (IST), Management, and/or Marketing.

You will join your Information Science & Technology classmates in a common core set of classes. These classes reflect the theme of integration of business and technology, and represent information technology, management, quantitative, and communication skills. Finally, all of your coursework rests on a broad foundation of general education classes from the humanities, social sciences, physical sciences, and mathematics.

Career Professions Available to you

Banking
Business Analyst
Business Intelligence Analyst
Data Analytics Consultant
Finance
Entrepreneur
Enterprise resource planning
Human resource management
Information systems management
Insurance
International business
International business
Investments
Management
Marketing
Operations and production management
Product management
Project management
Retailing
Sales
Supply Chain Management

Career Opportunities & Employer Relation Statistics 2014-2015

$54,750- Average starting salary for B. S. in Business & Management Systems
$61,167- Average starting salary for Masters in Business Administration (MBA)
$3,138- Average monthly salary for Summer Interns
$3,076- Average monthly salary for Co-ops

Top Hiring Employers 2014-2015- Cerner, Junction Solutions, AT&T, Edward Jones, Enterprise, Missouri S&T

Top Intern Hiring Employers 2014-2015- Monsanto, Nucor Corporation, Anheuser-Busch, Turing Consulting
# B.S. Business & Management Systems - Four Year Schedule

## Freshman Year
### Fall Semester
- BUS 1810 Intro to College Success: 1
- PSYCH 1101 General Psychology: 3
- ENGL1120 Exposition & Argumentation: 3
- BUS 1110 Introduction to Mgmt & Entrepreneurship: 3
- Science Elective: 3
- Science Laboratory: 1

### Spring Semester
- MATH 1120 or MATH 1140 College Algebra: 5/3
- IST 1750 Information Systems: 3
- ECON 1200 Macroeconomics: 3
- ENG/TECH COM 1600 Intro to Tech Communication: 3
- Science Elective: 3

## Sophomore Year
### Fall Semester
- IST 1551 Implementation of Info Systems: 3
- MATH 1212 Business Calculus: 4
- SP 1185 Principles of Speech: 3
- ECON 1100 Microeconomics: 3
- BUS 1210 Financial Accounting: 3

### Spring Semester
- IST 1552 Implementation of Info Systems II: 3
- FIN 2150 Corporate Finance I: 3
- POL SCI 1200 American Government: 3
- ERP 2110 Introduction to ERP: 3
- History Elective: 3

## Junior Year
### Fall Semester
- BUS 3220 Managerial Accounting: 3
- MKT 3110 Marketing: 3
- STAT 3111 Stat Tools for Decision Making: 3
- IST 4654 Web & Digital Media Development: 3
- Business Elective: 3

### Spring Semester
- ECON 2300 Intro to Econ Statistics: 3
- BUS 5580 Strategic Management: 3
- ENG/TECH COM 2560 Practicum in Communication: 3
- Business Elective: 3
- Free Elective: 3

## Senior Year
### Fall Semester
- BUS 2910 Business Law: 3
- BUS 5360 Business Operations: 3
- Fine Arts, Social Science, or Humanities Elective: 3
- Business Elective: 3
- Free Elective: 3

### Spring Semester
- BUS 5980 Bus. Models for Entrepreneurship & Innov.: 3
- BUS 4675 International Business: 3
- Business Elective: 3
- Fine Arts, Social Science, or Humanities Elective: 3
- Free Elective: 3
# Curriculum Checklist (120 credit hours)

## I. General Education (54 credit hours)

1. **Intro to College Success**, BUS 1810

### Natural Systems (10 credit hours)

- General Psychology, PSYCH 1101
- Science Elective
- Science Elective
- Science Laboratory

### Human Institutions (18 credit hours)

- Fine Art, Social Science or Humanities Elective
- Fine Art, Social Science or Humanities Elective
- History Elective
- Microeconomics, ECON 1100
- Macroeconomics, ECON 1200
- American Government, POL SCI 1200

### Quantitative Skills (10 credit hours)

- College Algebra, MATH 1140 or MATH 1120
- Business Calculus, MATH 1212
- Statistical Tools for Decision Making, STAT 3111

### Communication Skills (15 credit hours)

- Principles of Speech, SP&MS 1185
- Exposition & Argumentation, ENGL 1120
- Intro to Tech Com, ENGL/TCH COM 1600
- Practicum in Tech Com, ENGL/TCH COM 2560
- Web & Digital Media Development, IST 4654

## II. Common Core Courses (27 credit hours)

### Information Technology (12 credit hours)

- Intro to Mgmt Info Systems, IST 1750
- Implementation of IS I, IST 1551
- Implementation of IS II, IST 1552
- Intro to Enterprise Resource Planning, ERP 2110

### Management (9 credit hours)

- Financial Accounting, BUS 1210
- Corporate Finance, FIN 2150
- Marketing, MKT 3110

### Entrepreneurship & Innovation (6 credit hours)

- Intro to Mgmt and Entrepreneurship, BUS 1110
- Bus. Models for Entrepreneur & Innovation, BUS 5980

## III. Business Core (18 credit hours)

- Business Law, BUS 2910
- Managerial Accounting, BUS 3220
- Business Operations, BUS 5360
- Strategic Management, BUS 5580
- Intro to Economic Statistics, ECON 2300
- International Business, BUS 4675

## IV. Business Electives (12 credit hours)

Select any four 3000-5000 level courses from BUS, MKT, FIN, ERP or IST. (A “C” or better grade is required from each)

### IST Electives

- Computing Internals and Op. Systems, IST 3131
- Data Networks & Information Security, IST 3333
- Systems Analysis, IST 3343
- Electronic and Mobile Commerce, IST 4641
- Network Economy, IST 4257
- Fundamentals of Mobile Tech for Business, IST 4335

### Business Analytics & Data Science

- Intro to Data Science & Management, IST 3420
- Database Management, IST 3423
- Intro to Info Visualization, IST 4450
- Business Analytics & Data Science, IST 5420

### Enterprise Resource Planning

- ERP Systems Design & Implementation, ERP 5110
- Customer Relationship Mgmt in ERP, ERP 4610
- ERP in Small & Mid-Size Enterprises, ERP 5130
- Enterprise Portal & Mobile Application Dev, ERP 5240
- Supply Chain Mgmt in an ERP Environ, ERP 5310
- Use of Business Intelligence, ERP 5410
- Perform. Dashboard, Scorecard & Data Visualization, ERP 5210

### Finance

- Corporate Finance II, FIN 5160
- Investments I, FIN 5260
- Financial Statement Analysis, BUS 5001

### Human-Computer Interaction

- Human-Computer Interaction, IST 5885
- Prototyping Human-Computer Interactions, IST 5886
- Human-Computer Interaction Evaluation, IST 5887
- Intro to Web & New Media Studies, IST 4680

### Management

- Business Negotiations, BUS 4111
- Tech. Innovation Mgmt & Leadership, IST 5251
- Human Resource Management, BUS 5470

### Marketing

- Consumer Behavior, MKT 3210
- Customer Focus and Satisfaction, MKT 4150
- Marketing Strategy, MKT 4580
- Digital Marketing and Promotions, MKT 5310
- Marketing for Non-Profits, MKT 5320

## V. Free Electives (9 credit hours)

1. Students with an ERP area of Concentration will be eligible for a
**Which Computing Degree is Right For You?**

### Computer Engineering (CE)
- Are you interested in building, designing, and testing computers?
- CE majors focus on the physical workings of a computer.
- If you enjoy the following, CE might be a good fit for you:
  - Hands on activities inside of a computer
  - Learning how things work inside a computer
  - Building a computer
  - Seeing your computer design come to life

### Information Science & Technology (IST)
- Are you interested in solving business problems, web design, mobile apps, and networks?
- IST majors bridge the gap between creators and users.
- IST is a good fit for you if you enjoy the following:
  - Working with both people and computers
  - Solving Problems using computer technology
  - Using high level interactive software modeling tools
  - Design & create computer applications for business users

Information request bit@mst.edu

### Computer Science (CS)
- Are you interested in computer software?
- CS majors solve problems using software (and sometimes hardware).
- If you enjoy the following, CS might be a good fit for you:
  - Computer programming/coding
  - Abstract thinking of computer programs
  - Math and Physics
  - Creating something new for computer use

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**Missouri S&T IST Average Annual Salary Trend**

<table>
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<tr>
<th>Year</th>
<th>Undergraduate</th>
<th>Graduate</th>
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<tbody>
<tr>
<td>2008-09</td>
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<td>2009-10</td>
<td>$56,000</td>
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<td>2010-11</td>
<td>$55,000</td>
<td>$52,091</td>
</tr>
<tr>
<td>2011-12</td>
<td>$57,025</td>
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</tbody>
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Organizational Issues & Info Systems
- Application Technologies
- Software Methods & Technologies
- System Infrastructures

Computer Hardware & Architecture

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As a student in the Information Science and Technology program, your classes will include a core set of courses that will provide you with understanding of programming concepts, data structures, tools for project control, web design, database essentials, computer internals, Internet applications, telecommunications networks, computer networking, technology management, and E-commerce.

You will then have the opportunity to take a set of three courses to emphasize an area of interest (identified in the curriculum guide), or work towards a minor from our department. Minors are available in the areas of Business Analytics & Data Science, Business & Management Systems, Digital Supply Chain Management, Enterprise Resource Planning (ERP), Electronic & Social Commerce and Entrepreneurship, Finance, Human-Computer Interaction & User Experience, Management, and/or Marketing.

As an IST student, you will join the Business and Management Systems students in common core classes. These classes reflect the theme of integration of business and technology, and represent information technology, management, quantitative, and communication skills. Finally, all of your coursework rests on a broad foundation of general education classes from the humanities, social sciences, physical sciences, and mathematics.

**NEW for 2015!**
Due to popular demand, we have added two new Minors: Business Analytics & Data Science in the field of “Big Data”, and Human-Computer Interaction & User Experience (HCI).

**Career Professions (Preparation for some of these careers requires specific courses)**
- Computer Networks - Network Analysis, Network Support, Network Management
- E-Commerce & Internet - Web Site Design, E-Commerce Business Strategy
- Entrepreneurship – Business Development
- Human-Computer Interaction - Usability Analysis, Interface Design
- Multimedia Systems - Multimedia Design, Multimedia Development
- Project Management
- Sales, Marketing - Customer Operations Analysis, Technical Marketing, Product Support
- Software Systems - Software Design, Hardware/Software Needs Assessment
- Telecommunications - Internet Services Management, Technology Management and Planning

**Career Opportunities & Employer Relation Statistics 2014-2015**
- $55,918 Average starting salary for B.S. in Information Science and Technology from S&T
- $77,214- Average starting salary for M.S. in Information Science and Technology from S&T
- $3,470 Average monthly salary for IST Co-ops
- $3,792- Average monthly salary for IST Summer Interns

**Top Hiring Employers 2014-2015:** Mastercard, Union Pacific, Accenture, Frontier Tech, Midway USA, Caterpillar Inc., The Boeing Company, Junction Solutions

# B.S. Information Science & Technology - Four Year Schedule

## Freshman Year

### Fall Semester
- BUS 1810 Intro to College Success: 1
- IST 1750 Information Systems: 3
- ENGL 1120 Exposition & Argumentation: 3
- MATH 1120 or MATH 1140 College Algebra: 5/3
- Science Elective: 3
- Science Laboratory: 1

### Spring Semester
- PSYCH 1101 General Psychology: 3
- IST 1551 Implementation of Info Systems I: 3
- MATH 1212 Business Calculus: 4
- BUS 1110 Intro to Mgmt and Entrepreneurship: 3
- BUS 1210 Financial Accounting: 3

## Sophomore Year

### Fall Semester
- IST 1552 Implementation of Info Systems II: 3
- ECON 1200 Macroeconomics: 3
- SP 1185 Principles of Speech: 3
- ENG/TECH COM 1600 Intro to Tech Communication: 3
- ERP 2110 Introduction to ERP: 3

### Spring Semester
- IST 3131 Computing Internals & Operating Systems: 3
- STAT 3111 Stat Tools for Decision Making: 3
- ECON 1100 Microeconomics: 3
- IST Elective: 3
- Science Elective: 3

## Junior Year

### Fall Semester
- IST 4654 Web & New Media Development: 3
- IST 3423 Database Management: 3
- IST 3333 Data Networks & Information Security: 3
- FIN 2150 Corporate Finance I: 3
- Fine Arts, Social Science, or Humanities Elective: 3

### Spring Semester
- IST 4641 Electronic & Mobile Commerce: 3
- IST 3343 Systems Analysis: 3
- MKT 3110 Marketing: 3
- ENT/TECH COM 2560 Practicum in Communication: 3
- IST 3420 Intro to Data Science & Management: 3

## Senior Year

### Fall Semester
- Fine Arts, Social Science, or Humanities Elective: 3
- IST Elective: 3
- History Elective: 3
- Free Elective: 3
- Free Elective: 3

### Spring Semester
- BUS 5980 Bus. Models for Entrepreneurship & Innov.: 3
- POL SCI 1200 American Government: 3
- IST Elective: 3
- Free Elective: 3
- Free Elective: 3
I. General Education (54 credit hours)

(1) Intro to College Success, BUS 1810

Natural Systems (10 credit hours)
(3) General Psychology, PSYCH 1101
(3) Science Elective
(3) Science Elective
(3) Science Laboratory

Human Institutions (18 credit hours)
(3) Fine Art, Social Science or Humanities Elective
(3) Fine Art, Social Science or Humanities Elective
(3) History Elective
(3) Microeconomics, ECON 1100
(3) Macroeconomics, ECON 1200
(3) American Government, POL SCI 1200

Quantitative Skills (10 credit hours)
(3) College Algebra, MATH 1140 or MATH 1120
(4) Business Calculus, MATH 1212
(3) Statistical Tools for Decision Making, STAT 3111

Communication Skills (15 credit hours)
(3) Principles of Speech, SP&MS 1185
(3) Exposition and Argumentation, ENGL 1120
(3) Intro to Tech Com, ENGL/TCH COM 1600
(3) Practicum in Tech Com, ENGL/TCH COM 2560
(3) Web and Digital Media Development, IST 4654

II. Common Core Courses (27 credit hours)

Information Technology (12 credit hours)
(3) Intro. to Mgmt Info Systems, IST 1750
(3) Implementation of IS I, IST 1551
(3) Implementation of IS II, IST 1552
(3) Intro to Enterprise Resource Planning, ERP 2110

Management (9 credit hours)
(3) Financial Accounting, BUS 1210
(3) Corporate Finance, FIN 2150
(3) Marketing, MKT 3110

Entrepreneurship (6 credit hours)
(3) Intro to Management and Entrepreneurship, BUS 1110
(3) Bus. Models for Entrepreneurship & Innovation, BUS 5980

III. IST Core (18 credit hours)
(3) Computing Internals and Operating Sys, IST 3131
(3) Data Networks & Information Security, IST 3333
(3) Systems Analysis, IST 3343
(3) Intro to Data Science & Management, IST 3420
(3) Database Management, IST 3423
(3) Electronic and Mobile Commerce, IST 4641

IV. Electives (9 credit hours)
Select any three courses (for an optional emphasis area, choose three from one group)

Business Analytics & Data Science
(3) Business Analytics & Data Science, IST 5420
(3) Intro to Info Visualization, IST 4450

Human-Computer Interaction
(3) Human-Computer Interaction, IST 5885
(3) Prototyping Human-Computer Interactions, IST 5886
(3) Human-Computer Interaction Evaluation, IST 5887
(3) Intro to Web and New Media Studies, IST 4680

Enterprise Resource Planning
(3) ERP Systems Design & Implementation, ERP 5110
(3) Customer Relationship Mgmt in ERP Environ, ERP 4610
(3) ERP in Small and Mid Size Enterprises, ERP 5130
(3) Enterprise Portal & Mobile Application Develop, ERP 5240
(3) Supply Chain Mgmt Systems in ERP Environ, ERP 5310
(3) Use of Business Intelligence, ERP 5410
(3) Performance, Dashboard, Scorecard & Data Visualization, ERP 5210

Other IST Electives
(3) Network Performance Design & Mgmt, IST 3321
(3) Network Economy, IST 4257
(3) Modular Software Systems in Java, IST 3553
(3) Information Systems Project Management, IST 4261
(3) Fundamentals of Mobile Tech. for Business, IST 4335
(3) Tech. Innovation Mgmt & Leadership, IST 5251

V. Free Electives (12 credit hours)

(3) ______________________________
(3) ______________________________
(3) ______________________________
(3) ______________________________

1 Students with an ERP Emphasis will be eligible for a Missouri S&T-SAP Certificate, authorized by the SAP Corporation
Minors in Business & Information Technology

Business Analytics & Data Science
The minor requires 15 credit hours of coursework:
- IST 1750 Intro to Management Information Systems
- IST 3423 Database Management
- IST 3420 Introduction to Data Science & Management
- IST 4450 Introduction to Information Visualization
- IST 5420 Business Analytics & Data Science

Requires the following 15 hours of coursework:
- IST 4641: Electronic and Mobile Commerce
- Any four of:
  - IST 3553: Fund. of Mobile Technology for Business
  - IST 5251: Leadership In Technology-Based Organizations
  - IST 4652: Advanced Web Development
  - IST 5168: Law and Ethics in E-Commerce
  - IST 5885: Human-Computer Interaction
  - IST 5886: Prototyping Human-Computer Interactions
  - MKT 5310: Digital Marketing and Promotions
  - MKT 4580: Marketing Strategy

Business and Management Systems
The Business and Management Systems minor provide the student with an introduction to several of the business disciplines to enhance the student’s ability to understand the greater organizational system. The graduate with this minor will be better prepared to understand the impact of his/her business unit on the total business organization. The minor requires 15 credit hours of coursework:
- BUS 1110 Introduction to Mgmt and Entrepreneurship
- BUS 1210 Financial Accounting
- MKT 3110 Marketing
- FIN 2150 Corporate Finance I
- ECON 1100 or ECON 1200

Digital Supply Chain Management
The Minor in Digital Supply Chain Management requires 15 hours of coursework:
- BUS 5360: Business Operations
- OR MECH ENG 3653 Manufacturing
  - ERP 5310 Supply Chain Mgmt Systems in an ERP Environ.
  - ERP 4610 Customer Relationships Mgmt in ERP Environ.
- Any six hours of ERP 3000-level -5000 level* courses.

Students with a minor in ERP will be eligible for a Missouri S&T-SAP Certificate of Excellence, by the SAP Corp.

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 of coursework:
- BUS 1210 Financial Accounting
- ERP 2110 Introduction to ERP
- ERP 5110 ERP Systems Design and Implementation
- Any Six hours of ERP 3000-level -5000 level* courses.

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.

- BUS 4150: Customer Focus and Satisfaction
- BUS 5580: Strategic Management
- IST 4641: Electronic and Social Commerce
- IST 4654: Web and Digital Media Development
- IST 4335: Fundamentals of Mobile Tech. for Business
- IST 5251: Leadership in Technology-Based Organizations
- IST 5886: Prototyping Human-Computer Interactions
- ENG MGT 5511: Technical Entrepreneurship
- ENG MGT 5411: Engineering Design Optimization
- *Non Business & Information Technology students must select ERP 346 as one of the two electives.
Finance
Whether looking to pursue a graduate degree in finance or start a finance career, the Finance minor offers excellent preparation. Requires 15 credit hours of coursework:

- FIN 2150  Corporate Finance I
- ECON 1100 or ECON 1200  Micro/Macro Economics

Three additional Finance courses at the 3000 level or above.

Human-Computer Interaction & User Experience
The minor requires 15 credit hours of coursework:

- IST 4654 Web and Digital Media Development
- IST 4680 Introduction to Web and New Media Studies
- IST 5885 Human-Computer Interaction
- IST 5886 Prototyping Human-Computer Interactions
- IST 5887 Human-Computer Interaction Evaluation

Information Science and Technology
The Information Science and Technology minor includes a core set of courses that provide the student with understanding of programming concepts, data structures, and tools for project control, web design, and database essentials. The minor requires 15 credit hours of coursework:

- IST 1750  Introduction to Management Information Systems
- IST 1551  Implementing Info Systems: User Perspective
- IST 1552  Implementing Info Systems: Data Perspective
- ERP 2110  Introduction to Enterprise Resource Planning

One additional IST or ERP elective at the 2000 level or above.

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  Marketing
- ECON 1100 or ECON 1200

Any Three of:
- MKT 3210  Consumer Behavior
- MKT 5310  Digital Marketing and Promotions
- MKT 4150  Customer Focus and Satisfaction
- MKT 4580  Marketing Strategy
- ERP 4642  Customer Relationship Management

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

- BUS 1110 - Introduction to Mgmt and Entrepreneurship

Any One of:
- BUS 2910  Business Law
- BUS 3115  Introduction to Team-building and Leadership
- BUS 5360  Business Operations
- BUS 5580  Strategic Management
- IST 4261  Information Systems Project Management

Any Three of:
- BUS 4111  Business Negotiations
- BUS 4150  Customer Focus and Satisfaction
- BUS 5470  Human Resource Management
- EMGT 3320 Introduction to Project Management

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

- IST 4641 Electronic and Mobile Commerce
- IST 3553  Fundamentals of Mobile Technology for Business
- ERP 5240  Enterprise Portal and Mobile Application Development

Any Two of:
- IST 3333  Data Networks & Information Security
- IST 4652  Advanced Web Development
- IST 5886  Prototyping Human-Computer Interactions
- ERP 4610  Customer Relationship Mgmt in ERP Environ.
- ERP 5310  Supply Chain Mgmt Systems in an ERP Environ.
- ERP 5210  Performance Dashboard, Scorecard and Data Visualization

At least 6 hours of the minor coursework must be taken in residence at Missouri S&T.
Fall 2015

318 Employers Attended
166 Employers from Missouri
47 Fortune 500 Companies in attendance
33 States Represented
1200+ Interviews On Campus the Following Day

...and many others