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
grad facts.

$71,360
Average M.S. IST Starting Salary

$61,167
Ave MBA Starting Salary

$61,021
Ave IST Starting Salary

$57,100
Ave BUS Starting Salary

national recognition.

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

No. 5 “Best Return on Investment” among public universities (Payscale.com, 2014)

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

No. 8 “Best Online Graduate Computer Information Technology Programs”
(U.S. News & World Report, 2014)

No. 70 “Best Online Graduate Business Programs” (US News & World Report, 2014)

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**Missouri Schools - Typical Tuition vs Average Starting Salary**

<table>
<thead>
<tr>
<th>Department of Business &amp; Information Technology (S&amp;T)</th>
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<tbody>
<tr>
<td>Missouri Western (MNSU)</td>
</tr>
<tr>
<td>Tuition &amp; Fees</td>
</tr>
<tr>
<td>Ave Starting Salary</td>
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Sources: Missouri Department of Higher Education Tuition & Fees and Payscale.com 2013-2014 College Salary Report
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.

<table>
<thead>
<tr>
<th>Enrollment by Degree</th>
<th>Faculty</th>
<th>Student Demographics</th>
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</thead>
<tbody>
<tr>
<td>Business 117</td>
<td>Full-Time Professors 18</td>
<td>Male 258</td>
</tr>
<tr>
<td>IST 120</td>
<td>Part-Time Professors 5</td>
<td>Female 121</td>
</tr>
<tr>
<td>MBA 46</td>
<td></td>
<td>Student-to-faculty ratio: 16:1</td>
</tr>
<tr>
<td>MS IST 96</td>
<td></td>
<td>68.1% Male</td>
</tr>
<tr>
<td></td>
<td></td>
<td>31.9% Female</td>
</tr>
</tbody>
</table>

379 small department. big impact.
our faculty.

Keng Siau, Ph.D.  
Department Chair  
Professor

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

Craig Claybaugh Ph.D.  
Assistant Professor

Nobuyuki Fukawa, Ph.D.  
Assistant Professor

Ralph Hanke, Ph.D.  
Assistant Professor

Michael Hilgers, Ph.D.  
Professor

Bih-Ru Lea, Ph.D.  
Associate Professor

Hong Sheng, Ph.D.  
Associate Chair/Grad Director  
Associate Professor

Cassie Elrod, Ph.D.  
Associate Professor

Richard Hall, Ph.D.  
Professor

Fiona Nah, Ph.D.  
Professor

Bih-Ru Lea, Ph.D.  
Associate Chair/Grad Director  
Associate Professor

Hongxian Zhang, Ph.D.  
Assistant 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
Undergraduate

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

Minors Offered

Business & Management Systems  Finance
Digital Supply Chain Management  Information Science & Technology
Electronic & Social Commerce  Marketing
Enterprise Resource Planning (ERP)  Management
Entrepreneurship  Mobile Business & Technology

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

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!
The Information Age

Business professionals face the daunting task of sifting through he 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 & Management Systems
Digital Supply Chain Management
Electronic & Social Commerce
Enterprise Resource Planning (ERP)
Entrepreneurship
Finance
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 macroeconomics, microeconomics, 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 Electronic and Social Commerce, Enterprise Resource Planning (ERP), Entrepreneurship, Finance, 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**
- Accounting
- 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 2013-2014**
- $57,100 - Average starting salary for B.S. in Business & Management Systems
- $61,127 - Average starting salary for Masters in Business Administration (MBA)
- $3,155 - Average monthly salary for Summer Interns

**Top Hiring Employers 2013-2014**
- Cerner, Junction Solutions, AT&T, Edward Jones, Enterprise, Missouri S&T

**Top Intern Hiring Employers 2013-2014**
- 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
- ENGL1220 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
- 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
- Speech or Tech Communication Elective 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 3360 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
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 & Argumentation, ENGL 1120
(3) Intro to Tech Comm, ENGL/TCH COM 1600
(3) Speech or Technical Communication Elective
(3) Practicum in Tech Comm, ENGL/TCH COM 2560

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 (12 credit hours)
(3) Intro to Management and Entrepreneurship, BUS 1110
(3) Financial Accounting, BUS 1210
(3) Corporate Finance, FIN 2150
(3) Marketing, MKT 3110

Entrepreneurship (3 credit hours)
(3) Bus. Models for Entrepreneurship & Innovation, BUS5980

III. Business Core (18 credit hours)
(3) Business Law, BUS 2910
(3) Managerial Accounting, BUS 3220
(3) Business Operations, BUS 3360
(3) Strategic Management, BUS 5580
(3) Intro to Economic Statistics, ECON 2300
(3) 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
(3) Introduction to Big Data Analytics, IST 5420
(3) Electronic and Mobile Commerce, IST 4641
(3) E-Commerce Architecture, IST 4642
(3) Network Economy, IST 4257
(3) Law & Ethics in E-Commerce, IST 5168
(3) Fundamentals of Mobile Tech. for Business, IST 4335

Enterprise Resource Planning1
(3) Enterprise Portal & Mobile Application Dev, ERP 5240
(3) Customer Relationship Mgmt in ERP Environ ERP 4610
(3) Use of Business Intelligence ERP 5410
(3) ERP Systems Design & Implementation ERP 5110
(3) Performance, Dashboard, Scorecard & Data Visualization ERP 5210

Finance
(3) Corporate Finance II, FIN 5160
(3) Investments I, FIN 5260
(3) International Finance, ECON 4720

Human-Computer Interaction
(3) Human-Computer Interaction, IST 5885
(3) Human-Computer Interaction Prototype, IST 5886
(3) Human-Computer Interaction Evaluation, IST 5887
(3) Advanced Web Development, IST 5652
(3) Web and New Media Design & Develop, IST 4654
(3) Intro to Web and New Media Studies IST 380/4680

Management
(3) Business Negotiations, BUS 3111
(3) Intro to Team building and Leadership, BUS 3115
(3) Human Resource Management, BUS 5470
(3) Technological Innovation Mgmt & Leadership, IST 5251

Marketing
(3) Consumer Behavior, MKT 3210
(3) Digital Marketing and Promotions, MKT 5310
(3) Customer Focus & Satisfaction, MKT 4150
(3) Marketing Strategy, MKT 4580
(3) Customer Relationship Mgmt in ERP Environ, ERP 4610

V. Free Electives (9 credit hours)
(3) ______________________________
(3) ______________________________
(3) ______________________________

1Students with an ERP area of Concentration will be eligible for a Missouri S&T-SAP Certificate, authorized by the SAP Corporation
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

Missouri S&T IST Average Annual Salary Trend
- Undergraduate:
  - 2008-09: $52,025
  - 2009-10: $56,000
  - 2010-11: $55,000
  - 2011-12: $57,025
- Graduate:
  - 2008-09: $51,000
  - 2009-10: $52,091
  - 2010-11: $61,083

Organizational Issues & Info Systems
- Application Technologies
- Software Methods & Technologies
- System Infrastructures
- Computer Hardware & Architecture

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 & Management Systems, Enterprise Resource Planning (ERP), Electronic & Social Commerce and Entrepreneurship, Finance, Management, and 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 2014!
New for Spring 2014 we are excited to begin offering coursework in Intro to Big Data Analytics to prepare students for the upcoming field of Business Analytics and Data Science.

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 2013-2014
$61,021 Average starting salary for B.S. in Information Science and Technology from S&T
$71,360- Average starting salary for M.S. in Information Science and Technology from S&T
$2,981 Average monthly salary for IST Co-ops
$2,718- Average monthly salary for IST Summer Interns

Top Hiring Employers 2013-2014: 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 Computer Components & Operations 3
STAT 3111 Stat Tools for Decision Making 3
ECON 1100 Microeconomics 3
Fine Arts, Social Science, or Humanities 3
Science Elective 3

Junior Year
Fall Semester
IST 4654 Web & New Media Development 3
IST 3423 Database Management 3
IST 3333 Networks & Communications 3
FIN 2150 Corporate Finance I 3
IST 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 Elective 3

Senior Year
Fall Semester
Fine Arts, Social Science, or Humanities Elective 3
Speech or Tech Com 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) 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 & Argumentation, ENGL 1120
(3) Intro to Tech Comm, ENGL/TCH COM 1600
(3) Speech or Technical Communication Elective
(3) Practicum in Tech Comm, ENGL/TCH COM 2560

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 (12 credit hours)
(3) Intro to Management and Entrepreneurship, BUS 1110
(3) Financial Accounting, BUS 1210
(3) Corporate Finance, FIN 2150
(3) Marketing, MKT 3110

Entrepreneurship (3 credit hours)
(3) Bus. Models for Entrepreneurship & Innovation, BUS 5980

III. IST Core (18 credit hours)
(3) Database Management, IST 3423
(3) Computing Internals and Operating Systems, IST 3131
(3) Networks & Communications, IST 3333
(3) Electronic and Mobile Commerce, IST 4641
(3) Systems Analysis, IST 3343
(3) Web & New Media Design & Development, IST 4654

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

Human-Computer Interaction
(3) Human-Computer Interaction, IST 5885
(3) Human-Computer Interaction Prototype, IST 5886
(3) Human-Computer Interaction Evaluation, IST 5887
(3) Advanced Web Development IST 5652
(3) Intro to Web and New Media Studies IST 4680

Enterprise Resource Planning
Any 9 hours of ERP-designed courses at the 300 level
(3) Enterprise Portal & Mobile Application Dev. ERP 5240
(3) Customer Relationship Mgmt in ERP Environ ERP 4610
(3) Use of Business Intelligence ERP 5410
(3) ERP Systems Design & Implementation ERP 5110
(3) Supply Chain Mgmt Systems in ERP Environ ERP 5310
(3) Performance, Dashboard, Scorecard & Data Visualization ERP 5210

Other IST Electives
(3) Introduction to Big Data Analytics, IST 5420
(3) Network Economy, IST 4257
(3) Network Performance Design & Mgmt IST 3321
(3) Fundamentals of Mobile Tech. for Business IST 4335
(3) E-Commerce Architecture IST 4642
(3) Database Applications in Business IST 3443
(3) Tech Innovation Mgmt & Leadership IST 5251
(3) Information Systems Project Mgmt IST 4261
(3) Law & Ethics in E-Commerce IST 5168

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 and Management Systems**
The Business and Management Systems minor provides 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 3360: 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 two of:
- ERP 5410: Use of Business Intelligence
- ERP 5110: ERP Systems Design and Implementation
- MECH ENG 5708: Rapid Product Design and Optimization
- MECH ENG 5656: Design for Manufacture
- MECH ENG 5757/ENG MGT 5515: Integrated Product and Process Design
- MECH ENG 5763: Principles and Practice of Computer Aided Design

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

**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.

Requires the following 15 hours of coursework:

- IST 4641: Electronic and Mobile Commerce

Any four of:
- IST 3553: Fundamentals 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: Human-Computer Interaction Prototyping
- MKT 5310: Digital Marketing and Promotions
- MKT 4580: Marketing Strategy

**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 ERP minor offers excellent preparation. 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.

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

**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.

Requires the following 15 hours of coursework:

- BUS 1110: Introduction to Mgmt and Entrepreneurship
- BUS 5980: Business Models for Entrepreneurship and Innovation
- MKT 5310: Digital Marketing and Promotions

Any two of:
- 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: Human-Computer Interaction Prototyping
- ENG MGT 5511: Technical Entrepreneurship
- ENG MGT 5411: Engineering Design Optimization
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

Nine hours of Finance courses at the 3000 level or above.

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 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

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

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 3360 Business Operations
- BUS 5580 Strategic Management
- IST 4261 Information Systems Project Management

Any Three of:
- BUS 3111 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 Introduction To Telecommunications Networks
- IST 4652 Advanced Web Development
- IST 5886 Human Computer Interaction Prototyping
- 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
career fair.

Fall 2014

338 Employers Attended
790 Recruiters Attended
33 States Represented
131 Employers from Missouri

...and many others