B.S. in Business and Management Systems

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, Digital Supply Chain Management, Electronic and Social Commerce, Enterprise Resource Planning (ERP), Entrepreneurship, Finance, Human-Computer Interaction (HCI), 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.

Common Career Professions

- Accounting
- Banking
- Brand Management
- Finance
- Entrepreneurship
- Enterprise Resource Planning
- Human Resource Management
- Information Systems Management
- Insurance
- International Business
- Investment Management
- Management
- Marketing
- Operations & Production Management
- Product Management
- Project Management
- Retailing
- Sales
- Supply Chain Management

Career Opportunities & Employer Relation Statistics 2013-2014

$57,000- Average starting salary for B. S. in Business & Management Systems
$61,127- Average starting salary for Masters in Business Administration (MBA)
$2,621- 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
## I. General Education (54 credit hours)

(1) __ Introduction to College Success, BUS 10/18101

### Natural Systems (10 credit hours)

(3) __ General Psychology, PSYCH 50/1101

(3) __ Science Elective\(^3\)

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(1) __ Science Laboratory

### Human Institutions (18 credit hours)

(3) __ Fine Art, Social Science or Humanities Elective\(^6\)

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(3) __ History Elective

(3) __ Microeconomics, ECON 121/1100\(^5\)

(3) __ Macroeconomics, ECON 122/1200\(^5\)

(3) __ American Government, POL SCI 90/1200

### Quantitative Skills (10 credit hours)

(3) __ College Algebra, MATH 4/1140 or MATH 2/1120

(4) __ Business Calculus, MATH 12/1212

(3) __ Statistical Tools for Decision Making, STAT 211/3111

### Communication Skills (15 credit hours)

(3) __ Principles of Speech, SP&MS 85/1185

(3) __ Exposition & Argumentation, ENGL 20/1120

(3) __ Practicum in Tech Com, ENGL/TCH COM 65/1600

(3) __ Web & Digital Media Development IST 286/4654\(^6\)

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

### Information Technology (12 credit hours)

(3) __ Intro. to Mgt. Info. Systems, IST 50/1750

(3) __ Implementation of IS I, IST 51/1551

(3) __ Implementation of IS II, IST 151/1552

(3) __ Intro. to Enterprise Resource Planning, ERP 246/2110

### Management (9 credit hours)

(3) __ Financial Accounting, BUS 120/1210

(3) __ Corporate Finance, FIN 250/2150

(3) __ Marketing, MKT 31/3110

### Entrepreneurship & Innovation (6 credit hours)

(3) __ Introduction to Mgmt and Entrepreneurship, BUS 110/1110

(3) __ Bus. Models for Entrepreneurship & Innovation, BUS 396/5980\(^1\)

## III. Business Core (18 credit hours)

(3) __ Business Law, BUS 230/2910

(3) __ Managerial Accounting, BUS 320/3220

(3) __ Business Operations, BUS 360/5360

(3) __ Strategic Management, BUS 380/5580

(3) __ Introduction to Economic Statistics, ECON 211/2300

(3) __ International Business, BUS 375/4675

## IV. Business Electives (12 credit hours)\(^5\)

Select any four 3000-5000 level class from BUS, MKT, FIN, ERP, or IST. (A “C” or better grade is required from all 12 credit hours). Optional classes listed below:

### IST Electives

(3) __ Computing Internals and Operating Systems, IST 231/3131

(3) __ Data Networks & Information Security, IST 233/3333

(3) __ Systems Analysis, IST 243/3343

(3) __ Electronic and Mobile Commerce, IST 241/4641

(3) __ Network Economy, IST 357/4257

(3) __ Fundamentals of Mobile Tech for Business, IST 335/4335

### Business Analytics & Data Science

(3) __ Intro to Data Science & Management, IST 3420

(3) __ Database Management, IST 223/3423

(3) __ Intro to Info Visualization, IST 4450

(3) __ Business Analytics & Data Science, IST 5420

### Enterprise Resource Planning\(^4\)

(3) __ ERP Systems Design & Implementation, ERP 346/5110

(3) __ Customer Relationship Mgmt in ERP, ERP 342/4610

(3) __ ERP in Small & Mid-Size Enterprises ERP 5130

(3) __ Enterprise Portal & Mobile Application Dev, ERP 341/5240

(3) __ Supply Chain Mgmt Systems in an ERP Environ, ERP 347/5310

(3) __ Use of Business Intelligence, ERP 345/5410

(3) __ Perform. Dashboard, Scorecard & Data Visualization, ERP 348/5210

### Finance

(3) __ Corporate Finance II, FIN 350/5160

(3) __ Investments I, FIN 360/5260

(3) __ Financial Statement Analysis BUS 5001

### Human-Computer Interaction

(3) __ Human-Computer Interaction, IST 385/5885

(3) __ Prototyping Human-Computer Interactions, IST 386/5886

(3) __ Human-Computer Interaction Evaluation, IST 387/5887

(3) __ Intro to Web & New Media Studies IST 380/4680

### Management

(3) __ Business Negotiations, BUS 311/4111

(3) __ Intro. to Teambuilding and Leadership, BUS 315/3115

(3) __ Tech. Innovation Mgmt & Leadership, IST 351/5251

(3) __ Human Resource Management, BUS 370/5470

### Marketing

(3) __ Consumer Behavior, MKT 321/3210

(3) __ Customer Focus and Satisfaction, MKT 350/4150

(3) __ Marketing Strategy, MKT 380/4580

(3) __ Digital Marketing and Promotions, MKT 331/5310

(3) __ Marketing for Non-Profits MKT 5320

## V. Free Electives (9 credit hours)

(3) __ ______________________________

(3) __ ______________________________

(3) __ ______________________________

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\(^1\) In-Major Writing Intensive

\(^2\) 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.

\(^3\) Biology, Chemistry, Geology, Geological Engineering, Physics.

\(^4\) Students taking 9 credit hours in ERP will be eligible for a Missouri S&T-SAP Certificate, authorized by the SAP Corporation.

\(^5\) A grade of “C” or better is required in these courses.

10 April 2015