



Dennis and Janet Jaggi
School of Business

BUSINESS AND MANAGEMENT SYSTEMS

A degree in business and management systems equips you for virtually any management position where expertise in information technology is advantageous. The program offers a unique integration of the latest information technology trends with a strong foundation of business.

Today's business leaders must be comfortable in a complex digital environment and have the skills to solve problems by efficiently synthesizing, analyzing and learning from vast amounts of information. They must also understand the role of technology in business and maximize its efficiency to support business operations and decision-making. Thus, all business majors are eligible to receive a minor in information science and technology without any additional coursework.

DEGREE CURRICULUM

Business Core

Your classes will include a core set of courses that will provide you with understanding of management, entrepreneurship, accounting, corporate finance, marketing, business law, business operations, business negotiations, and strategic management.

Business Electives

To prepare yourself for a beginning career, you will take at least fifteen credits (five courses) of business electives. You are encouraged to designate areas of concentration by pursuing one of a dozen minors offered by our department in many popular, high-demand areas.

Common Core

You will join your information science and 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.

Experiential Learning

You will be required to engage in an experiential learning activity. These activities are designed to require you to go beyond mastering basic skills and knowledge in the practical application of that material, and allow you to learn in environments that align with your aptitudes.

POPULAR PROFESSIONS

(Preparation for some of these careers requires specific courses.)

Business Analytics and Data Science

Data Analyst/Scientist, Information Visualization Specialist, Business Analyst

Business Operations

Business Process Designer, Product Manager, Logistics Coordinator

Digital Commerce

E-commerce Manager, Internet of Things Solutions Analyst, Website Designer

Enterprise Resource Planning

Business Intelligence Analyst, ERP Consultant, Customer Relationship Manager, ERP Systems Analyst

Entrepreneurship and Innovation

Technological Innovation Manager, Digital Transformation Specialist, A.I. Prompt Engineer

Finance

Financial Technology Analyst, Blockchain, Investment Advisor

Management and Leadership

Business Negotiations, Human Resource Associate, Leadership Coach, Program Manager

Marketing and Sales

Marketing Strategist, Digital Marketing Specialist, Consumer Data Analyst, Social Media Strategist, Real Estate Agent

Business and Management Systems offers emphasis areas in Military Science and Leadership as well as Secondary Education - See Course Catalog for details.

\$63,765

Average starting salary for undergraduates as of 2024

\$83,251

Average starting salary for MBA graduates as of 2024

\$3,709

Average monthly salary for internships and co-ops as of 2022

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B.S. Business and Management Systems Degree Curriculum Effective Fall 2025

NOTE: Current students should consult their degree audit (found online at mydegree.mst.edu) to view their specific degree requirements. Degree requirements change over time. Students are normally held to the requirements in effect when they began their college studies. If you are a transfer student or have interrupted your studies, special rules may apply to your situation.

I. General Education (35 credit hours)

(1) ___ Introduction to College Success, BUS 1810

Natural Systems (10 credit hours)

(3) ___ General Psychology, PSYCH 1101³
(6) ___ Science Elective^{1,3} (Must be from two disciplines.)
(1) ___ Science Lab³

Human Institutions (12 credit hours)

(3) ___ Fine Art or Humanities Elective²
(3) ___ Principles of Microeconomics, ECON 1100³
(3) ___ Principles of Macroeconomics, ECON 1200³
(3) ___ American Government, POL.SCI 1200³

Communication Skills (12 credit hours)

(3) ___ Principles of Speech, SP&M S 1185³
(3) ___ Exposition and Argumentation, ENGLISH 1120³
(3) ___ Intro to Web Design and Digital Media Studies, IS&T 4654
(3) ___ Technical Marketing Communication, ENGLISH/TCH COM 2560³

II. Common Core Courses (30 credit hours)

Information Technology (12 credit hours)

(3) ___ Introduction to Management Information Systems, IS&T 1750
(3) ___ Implementing Information Systems: User Perspective, IS&T 1551
(3) ___ Implementing Information Systems: Data Perspective, IS&T 1552
(3) ___ Introduction to Enterprise Resource Planning, ERP 2110

Marketing/Finance (12 credit hours)

(3) ___ Financial Accounting, BUS 1210
(3) ___ Corporate Finance I, FINANCE 2150
(3) ___ Marketing, MKT 3110
(3) ___ Financial Technology & Analytics, FINANCE 5310

Entrepreneurship and Innovation (6 credit hours)

(3) ___ Introduction to Management and Entrepreneurship, BUS 1110
(3) ___ Business Models for Entrepreneurship and Innovation, BUS 5980

III. Business Core (21 credit hours)

(3) ___ Business Law, BUS 2910
(3) ___ Managerial Accounting, BUS 3220
(3) ___ Business Operations, BUS 5360
(3) ___ Strategic Management, BUS 5580
(3) ___ Business Negotiations, BUS 5111
(3) ___ Customer Focus and Satisfaction, BUS 5150
OR Digital Marketing and Promotions, MKT 5310
(3) ___ Machine Learning & Art. Intelligence for Bus, BUS 5730

IV. Business Electives (15 credit hours)

Select any five courses (at 3000-level or above) from BUS, ECON, FINANCE, ERP, IS&T, or MKT. Some optional classes are listed below.

A grade of "C" or better is required in the following courses for graduation: IS&T 1551, IS&T 1552, IS&T 1750, IS&T 4654, ERP 2110, FINANCE 2150, FINANCE 5310, MKT 3110, BUS 5150 OR MKT 5310, ECON 1100, ECON 1200, BUS 1110, BUS 1210, BUS 2910, BUS 3220, BUS 5111, BUS 5360, BUS 5580, BUS 5730, BUS 5980, and all Business Electives (any BUS, ERP, FINANCE, MKT, or IST designated course at the 3000-level or above).

1 Any course in two of the following areas: Biology, Chemistry, Geology, or Physics.

2 Any course in the following areas: Art, history, music, or theater.

3 General Education discipline required course. These fulfill the Missouri S&T general education requirements applicable to the student's catalog year.

Business Management and Trends

(3) ___ Human Resource Management, BUS 5470
(3) ___ Privacy and Information Security, BUS 5910
(3) ___ Management & Leadership of Tech. Innovation, IS&T 5251

Business Analytics and Data Science

(3) ___ Introduction to Data Science and Management, IS&T 3420
(3) ___ Database Management, IS&T 3423
(3) ___ Business Analytics and Data Science, IS&T 5420
(3) ___ Introduction to Information Visualization, IS&T 5450
(3) ___ Data Science and Machine Learning with Python, IS&T 5520
(3) ___ Machine Learning Algorithms and Applications, IS&T 5535

Enterprise Resource Planning (ERP)

(3) ___ ERP Software Development, ERP 4120
(3) ___ Intro to Enterprise Decision Dashboard Prototyping, ERP 4220
(3) ___ Customer Relationship Management IN ERP, ERP 4610
(3) ___ ERP Systems Design and Implementation, ERP 5110
(3) ___ ERP in Small and Mid Size Enterprises, ERP 5130
(3) ___ Performance Dashboard and Scorecard, ERP 5210
(3) ___ Application Development and Software Security, ERP 5240
(3) ___ Supply Chain Management Systems in ERP, ERP 5310
(3) ___ Use of Business Intelligence, ERP 5410

Finance and Financial Technology

(3) ___ Corporate Finance II, FINANCE 5160
(3) ___ Investments I, FINANCE 5260
(3) ___ Financial Statement Analysis, BUS 5230

Cybersecurity and User Experience

(3) ___ Digital Media Development and Interactive Design, IS&T 5680
(3) ___ Fundamentals of Cybersecurity, IS&T 5725
(3) ___ Human & Org. Factors in Cybersecurity Analytics, IS&T 5780

Marketing

(3) ___ Consumer Behavior, MKT 3210
(3) ___ Marketing Strategy, MKT 4580
(3) ___ Marketing for Non-Profits, MKT 5320
(3) ___ Marketing Revolution with Machine Learning, MKT 5762
(3) ___ Branding for Innovation, BUS 5810

V. Quantitative Skills (8 credit hours)

(5) ___ Calculus I-A, MATH 1210
(3) ___ Statistics for the Social Sciences, STAT 1115
OR Statistical Tools For Decision Making, STAT 3111

VI. Free Electives (11 credit hours)

120 Credit Hours