

Choose
UMSL

And your major.

Business Administration BS

Information Systems and Technology Emphasis

The Bachelor of Science in Business Administration (Information Systems and Technology emphasis) provides students with foundational knowledge on emerging technologies, data management and IT project management. Featuring both applied technical and management-focused courses, the curriculum is guided by an advisory board consisting of senior IT leaders and CIOs and courses are taught by research-productive faculty. Graduates of the program emerge as technology-savvy business managers.

Career Outlook

As technology-savvy business managers with foundational knowledge about in-demand skills such as cybersecurity, data management, project management, and emerging technologies your skills will be attractive to local and national companies and quickly rise in management ranks. The U.S. Bureau of Labor Statistics predicts employment of computer and information systems managers will grow 10 percent from 2019 to 2029, much faster than the average for all occupations. Demand for these skills will grow as firms increasingly expand their business to digital platforms.

Future Career Options

- Business analyst
- Business manager
- Cybersecurity analyst
- IT manager
- Project manager

Skills developed by degree completion

- Understand the challenges confronting the management of information systems
- Communicate knowledge of analysis, design, and implementation of information systems
- Utilize principles of cybersecurity, data management, and project management
- Evaluate legal, ethical, privacy, and security issues relating to information systems
- Describe emerging areas and opportunities in information systems

4-YEAR ACADEMIC MAP

Successful alumni have gone on to fulfill many of the opportunities above. Additional possibilities are taken from the Bureau of Labor Statistics. Contact an advisor to discuss additional future career options.

Bachelor of Science in Business Administration, Information Systems Emphasis

Year
1

FALL SEMESTER (16 credit hours)

- MATH 1030: College Algebra (3)
- ENGL 1100: First-Year Writing (3)
- BUS AD 1000: Introduction to Business, OR
 - ENT 1100: Introduction to Entrepreneurship (3)
- INFSYS 1800: Computers and Information Systems (3)
- GEN ED EXPLORE: Humanities and Fine Arts (3)
- INTDSC 1003: University Studies (1)

SPRING SEMESTER (15 credit hours)

- BUS AD 1107: Quantitative Methods, OR
 - MATH 1100: Basic Calculus (3)
- ECON 1001: Principles of Microeconomics (3)
- INFSYS 2800: Information Systems Concepts and Applications (3)
- GEN ED EXPLORE: Humanities and Fine Arts (3)
- GEN ED EXPLORE: Math and Sciences (3)

Year
2

FALL SEMESTER (15 credit hours)

- MATH 1105: Basic Probability and Statistics (3)
- ACCTNG 2400: Fundamentals of Financial Accounting (3)
- ECON 1002: Principles of Macroeconomics (3)
- GEN ED CORE: Communication Proficiency (3)
- INF SYS 3830: Data Programming (3)

SPRING SEMESTER (15 credit hours)

- ACCTNG 2410: Managerial Accounting (3)
- BUS AD 2900: Legal Environment of Business (3)
- SCMA 3300: Business Analytics and Statistics (3)
- INF SYS 3862: Artificial Intelligence Applications for Business (3)
- GEN ED EXPLORE: Humanities and Fine Arts (3)

Year
3

FALL SEMESTER (15 credit hours)

- SCMA 3301: Introduction to Supply Chain Management (3)
- MGMT 3600: Management and Organizational Behavior (3)
- ENGL 3120: Business Writing (3)
- GED ED CORE: U.S. History and Government (3)
- INF SYS 3848: Introduction to Information Security (3)

SPRING SEMESTER (15 credit hours)

- FINANCE 3500: Financial Management (3)
- MKTG 3700: Basic Marketing (3)
- INF SYS 4800: IT Leadership (3)
- ENT 3100: Applications of Entrepreneurship (3)
- Cultural Diversity Requirement (3)

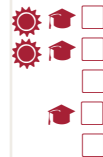
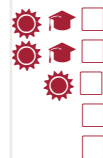
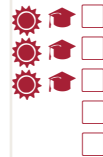
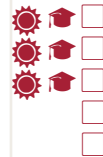
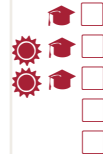
Year
4

FALL SEMESTER (15 credit hours)

- INF SYS 4847: IT Project Management (3)
- Global Awareness Course (3)
- Electives (9)

SPRING SEMESTER (14 credit hours)


- MGMT 4219: Strategic Management (3)
 - & MGMT 4220: Business Assessment (0)
- Information Systems 3000-4000 Level Elective (3)
- Electives (8)



2021-2022 4-YEAR ACADEMIC MAP

This is a sample academic map for the courses to take each academic semester/session. **This map is not a substitute for academic advisement.** Contact your advisor when making final selections.

 – **University Studies** is required for all first-year students and those with less than 24 credit hours.

 – **Milestone courses** should be taken in the order shown to ensure you stay on a timely and accurate path toward graduation.

 – **Summer and Intersession courses** Don't forget that summers and winter breaks are a way to fast-track your route to degree completion – and lighten your load during fall and spring!



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