MS in Information Systems and Technology

The Master of Science in Information Systems and Technology (MSIST) program is designed to provide the technical and managerial knowledge to work successfully in careers associated with the design, development and management of information systems. The MSIST is a 30-credit hour STEM designated degree where students gain advanced knowledge and skills in application development, business intelligence, cybersecurity, cloud computing and other emerging areas that impact organizational information systems strategies.

The program is designed for students and professionals with diverse undergraduate backgrounds. MSIST students interact extensively with their peers as well as with industry executives in a carefully curated academic environment to gain a well-rounded perspective on the strategic role of IT in contemporary organizations. Students are able to customize their degree by choosing two four-course sequences that permit them to specialize in areas of interest to them. These specializations include Information Systems and Technology, Business Intelligence, Enterprise Systems Development, Information Security Management and Auditing, and Cybersecurity.

Upon completion of the program, graduates will be able to:

- Evaluate and implement effective IS leadership principles and strategy.
- Prioritize and propose managerial practices to develop and deploy technological innovations that produce business advantage.
- Explain best practices in systems analysis and design.
- Support and improve current best practices in application development, business intelligence, cybersecurity and legacy systems.
- Exhibit specialized leadership and technical expertise.

UMSL | Business
University of Missouri–St. Louis

Flexible by Design

This program was designed with the busy working adult in mind. The program can be completed in 12 to 18 months. Flexible class schedules (day and evening, weekends, 8- or 16-week sessions and course delivery formats (in-person, blended and online) enable students to balance school, work and life.

Serious Education. Serious Value.

The Master's in Information Systems and Technology at UMSL is earned through our internationally recognized College of Business Administration, ranked among the top 2 percent of business schools in the world thanks to dual AACSB accreditation in both business and accounting.

You'll learn from highly qualified educators and researchers who hold terminal degrees from some of the world's most prestigious academic institutions. They're not only academics, but business practitioners and active consultants who bridge the classroom with the real world.

The University of Missouri–St. Louis provides the knowledge, resources, tools, skills and support students need to be successful in our programs. Designed to accommodate busy adults, the flexibility of this program enables students to boost their credentials while balancing work, family and school life. UMSL is committed to increasing access to higher education, and as such, is consistently ranked number one for affordability in the St. Louis region.

Learn more at mba.umsl.edu

Career Opportunities

Application Analyst

Business Intelligence Analyst

Cloud Computing Architect

Computer Network Architect

Cybersecurity Analyst

Database Administrator

Database Analyst

Database Architect

Database Consultant

Database Designer

Database Security Officer

Data Scientist

Data Analyst

Information Systems Manager

IT Consultant

Software Developer

Management positions in Accounting, Finance, Human Resources, Management, Marketing and Supply Chain

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The University of Missouri–St. Louis is the largest public research university located in Missouri's most populous and economically important region. UMSL provides high-quality, affordable education to one of the most diverse student bodies in the state. No university is better connected to the surrounding region than UMSL. Seventy-three percent of our graduates stay in St. Louis. The city needs individuals who are well-equipped with valuable business knowledge and skills and UMSL is prepared to meet that need. Choose the University of Missouri–St. Louis for information systems and technology.

CHOOSE UMSL