



The **Bachelor of Science** in

Information Systems and Technology

Develop a foundation in information systems.

Information systems technologists think strategically about selecting, deploying and utilizing computer-based information systems for organizational efficiency and to build competitive advantage. This work involves aspects of business analysis, information theory, hardware and software systems, databases and systems design.

The Bachelor of Science in Information Systems and Technology

The BS in Information Systems and Technology is a 120-credit-hour program that requires 30-credit-hours of core business classes, 24-credit-hours of IST specific coursework, six hours of approved electives and 60-credit hours of non-business courses.

Core business classes include financial and managerial accounting, legal environment of business, information systems concepts, business analytics and statistics, financial management, management and organizational behavior and more. The IST required courses include managerial applications of object-oriented programming, information systems analysis, data networks and security, database management systems and information systems design.

Throughout the program, students will gain a foundation in both the functional areas of business and in computing technologies. Students will also gain technical skills in programming, database management, systems analysis and systems design and can enhance the experience by joining UMSL's Information Technology and Cybersecurity Club, which engages students in national competitions and hosts cyber clinics and industry leader presenters. Upon completion of the degree, students are prepared to pursue both technical and managerial careers in public and private organizations.

2+3 BA/MS Dual Degree in Information Systems and Technology

The Information Systems and Technology degree track is also offered in a 2+3 program format. This unique 2+3 dual degree program provides a pathway for students to earn both a bachelor's and a master's degree in Information Systems and Technology with a total of 135 credit hours instead of the typical 150 credit hours if the degrees were pursued separately. Once all requirements have been met, students will be awarded both the BS and MS in Information Systems and Technology and are able to enter the job market with a competitive edge.

Among the Best

The BS in Information Systems and Technology 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.

Business students learn and collaborate in a state-of-the-art facility outfitted with smart classrooms containing all the latest teaching technology, cutting edge seminar rooms, group learning environments, community spaces and a real-time stock ticker. The college also offers frequent career fairs, including career-specific opportunities and internships to give students hands-on experience. In addition, faculty engage students in service learning opportunities which provide value and help transform lives in the surrounding communities.

Students also benefit from six College Advisory Boards, the Leadership Council and the Business Alumni Association all of which are staffed by experienced business professionals from some of the best known St. Louis area companies. These professionals lend their expertise, experience, time, passion and enthusiasm to ensure that curricula are keeping pace with the ever-changing needs of business and that employers' needs are fulfilled.

Serious education. Serious value.

The BS in Information Systems and Technology is designed to provide specialized knowledge, skills and training in a flexible format, with classes available in-person, online and in a hybrid format. You'll learn from highly qualified educators who are not only academics, but business practitioners and active consultants bridging the classroom with the real world.

The University of Missouri–St. Louis provides the resources, tools and support students need to be successful in our programs. Our comprehensive student support services include workshops, tutoring and career services to help you develop skills and strategies to be successful in the classroom and beyond. UMSL welcomes transfer students and our transfer specialists will assist you with getting the most transfer credits possible. We're also committed to increasing access to higher education, and as such, UMSL is consistently ranked number one in affordability in the St. Louis region.

Learn more at ist.umsl.edu

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 region needs a workforce well-equipped with valuable IST knowledge and skills and UMSL is prepared to help you to meet those needs. Choose the University of Missouri–St. Louis for information systems and technology.

Career Opportunities

Application Analyst
Business Analyst
Data Administrator
Data Analyst
Data Governance
Database Administrator
Database Architect
Database Consultant
Database Developer/Designer
Information Systems Manager
IT Consultant
IT Project Manager
Software Developer

College of Business Administration Undergraduate Business Programs

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