



The **Bachelor of Science** in

Computing Technology

Become a technology expert.

Computing technology is a broad, in-demand, fulfilling field that involves installing, maintaining, improving and operating computer systems, software and databases. Skilled computing technology professionals are needed in every industry from arts and entertainment to sports and recreation, business, fashion design and marketing.

The Bachelor of Science in Computing Technology

The BS in Computing Technology is designed for those interested in a broad and deep computing education. It's meant for those who want to focus more on technologies and transition to fulfilling careers, or those interested in future graduate study in an area related to computer science.

This program explores areas of computing technologies including network systems integration, software development, computer architecture design and utilization, database management and analysis. You'll also explore the critical security aspects of computing and protection of proprietary information.

Upon completion of the program, graduates will be able to apply algorithmic principles to solve computational problems; analyze and compare alternative solutions to computing problems; use multiple general-purpose programming languages; design, implement (code) and document solutions to computational problems; design, evaluate and manage information technology infrastructure; create secure software systems; work effectively in teams to design and implement solutions; effectively communicate computing technology concepts and solutions; and recognize and promote the professional, social, ethical and legal issues and responsibilities in the computing/software profession.

Transforming Lives

The Bachelor of Science in Computing Technology at UMSL is earned through our College of Arts and Sciences, the academic core of the University of Missouri–St. Louis. Through academic programs offered on- and off- campus, traditional and nontraditional students gain knowledge, skills and intellectual leadership for a variety of career paths, advanced study and research in many academic disciplines.

Graduates are known for their professionalism on the job and their strong sense of civic responsibility. Students in our programs engage in creative and critical thinking, learn to analyze evidence, to appreciate patterns of complexity and to reflect on important issues that impact our daily lives. Students gain skill sets to prepare for a changing workplace that requires flexible, dynamic, and well-educated employees.

The Department of Computer Science offers exciting and high quality undergraduate and graduate degree programs and certificates. At the undergraduate level, we offer three degrees: Computer Science, Computing Technology and Cybersecurity. We also offer a minor in Computer Science and certificates in Artificial Intelligence, Computer Programming, Cybersecurity, Data Science, Internet and Web, Mobile Apps and Computing. Our programs are also designated as a National Center of Academic Excellence (CAE) in Cyber Defense Education by the National Security Agency and the Department of Homeland Security.

Serious education. Serious value.

The Bachelor of Science in Computing 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 and researchers who hold terminal degrees from some of the world's most prestigious academic institutions.

The University of Missouri–St. Louis provides the knowledge, resources, tools, skills 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 umsl.edu/cs

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 computer skills and UMSL is prepared to help you meet those needs. Choose the University of Missouri–St. Louis for computing technology.

Career Opportunities

Cloud Architect
Computer Forensic Investigator
Data Analyst
Database Administrator
Health IT Specialist
Internet Security Officer
IT Project Manager
Mobile Application Developer
Network & Systems Administrator
Software Developer
Systems Administrator
Web Developer

College of Arts & Sciences

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CHOOSE UMSL