

Computer Science BS Computing Technology BS



The University of Missouri–St. Louis offers a BS in Computer Science and a BS in Computing Technology. Each program offers students multiple opportunities to pursue interesting and fulfilling careers. The computer science degree provides a solid foundation in mathematics and computing, along with specializations offered through elective courses. The computing technology degree focuses on job preparation for existing and emerging fields and technologies. Undecided students can easily transition between the programs. Our vast network of alumni have gone on to work for many local and internationally-recognized companies, including Bayer, Boeing, Express Scripts, Google, MasterCard, Microsoft, USPS, World Wide Technologies and more. Alumni also serve the current student body through mentorships and role modeling. Our graduate programs allow interested students to continue their education or return for more advanced and specialized education.

“A lot of web developers can only do front-end design, but because everyone here took the CS classes, we can deliver top-tier websites.”

Tim Hebel

**BS Computer Science 2013
Owner and Founder,
Beanstalk Web Solutions**



Academic Excellence

UMSL is the largest public research university in eastern Missouri, the only university in the state offering a computing technology degree, and one of only two public universities in the St. Louis metro area offering a computer science degree.

According to the U.S. Bureau of Labor Statistics, jobs related to computer science and computing technology are projected to increase at least 10-20 percent in the next 10 years. With this in mind, the Department of Math and Computer Science at UMSL is dedicated to hands-on learning experiences that prepare graduates for successful careers.

Most classes are project-oriented, some with opportunities to work toward a semester goal as part of a team that mimics real-world working environments. UMSL also offers multiple newly-developed, technology-driven electives and certificate options, providing unparalleled opportunities for a personal educational experience that's tailored to students' specific interests. The flexibility between our two programs, including courses offered in collaboration with the Department of Information Systems in the College of Business Administration, means UMSL offers an interdisciplinary experience like no other.

In addition to university scholarships, the department awards \$50–\$60K annually in merit-based scholarships.

Degrees and Minors

Computer Science, BS
Computer Science, 2+3 combined BS and MS
Computer Science, MS
Computer Science Minor
Computing Technology, BS
Cybersecurity, BS
Cybersecurity, MS
Mathematical and Computational Sciences, PhD

Certificates

Artificial Intelligence
Computer Programming
Cybersecurity
Data Science
Internet and Web
Mobile Apps and Ubiquitous Computing

Night, online and weekend programs available.

Career opportunities

App and mobile developer
Computer and technology instructor
Computer programmer
Computer scientist
Cybersecurity
Database administrator
Data scientist
Entrepreneur
IT specialist
Network specialist
Quantitative analyst
Software engineer/developer
System analyst
Web developer

UMSL

Department of Mathematics and Computer Science

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CHOOSE UMSL

OUR MISSION

As the metropolitan, land-grant, research institution serving the most diverse and economically important region in Missouri, the University of Missouri–St. Louis delivers exceptional educational, research and engagement experiences that inform, prepare, challenge and inspire.