BS in Computing Technology

Bachelor of Science in
Computing Technology

The BS in Computing Technology program is designed for those interested in a broad and deep computing education but without some traditional advanced courses, those who want to focus more on technologies and to transition to fulfilling careers. Elective courses can be grouped into one of the available certificates to solidify specialization. Graduating seniors can find in-demand careers in many related areas such as cybersecurity, networks, Internet programming, software and mobile apps development, data science, AI, graphics, or pursue additional graduate studies.

The program can be completed full time or part time with a combination of day, evening and/or online courses. Each required course is offered online at least once a year. Students must also satisfy all UMSL requirements for a BS degree. In addition to university scholarships, the department awards $30k annually in mostly merit-based scholarships.

Required core courses		Availability
CMP SCI 1000	Computer Science Experiences	**SFP**
CMP SCI 1250	Introduction to Computing	**SFP**
CMP SCI 2250	Programming and Data Structures	**SFP**
CMP SCI 2261	Object-Oriented Programming	**SFP**
CMP SCI 2700	Computer Organization and Architecture	**SFP**
CMP SCI 2750	Linux Environment and Programming	**SFP**
CMP SCI 3010	Web Programming	**SFP**
CMP SCI 3702	Introduction to Cyber Threats and Defense	**SFP**
or CMP SCI 3780	Software Security	**P**
CMP SCI 4010	Advanced Web Development with Java	**F**
CMP SCI 4500	Introduction to the Software Profession	**FP**
CMP SCI 4610	Database Management Systems	**FP**
INFSYS 3820	Introduction to Systems Administration	**FP**
INFSYS 3844	Developing Business Applications in .NET	**FP**
MATH 1100	Basic Calculus	**SFP**
or MATH 1800	Analytic Geometry and Calculus I	**SFP**
MATH 1320	Introduction to Probability and Statistics	**SFP**
MATH 3000	Discrete Structures	**SFP**
ENGL 3130	Technical Writing	**SFP**
Additional Electives		

Six more CMP SCI courses numbered 2000 and above. At most two can be in INFSYS and must be preapproved

For more information visit umsl.edu/cs. For careers visit umsl.edu/cs/careers.
This document http://umsl.edu/cs/undergraduate-studies/BSCT_Flyer.pdf

Availability: Summer (**S**), Fall (**F**), Spring (**P**), online ⭕ and evening 🅴

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