

MS in Computer Science



College of Arts and Sciences

Department of Computer Science

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Master of Science in Computer Science

The M.S. in Computer Science requires 30 credits, including required courses and electives.

Up to 6 hours of related coursework can be completed outside of CMP SCI, based on the student's interests with permission of the Graduate Director.

Up to 10 credit hours can be transferred into the program.

Up to 12 credits from 4000-level courses completed with at least a B- can be used in the program.

At least 3 credit hours must be at the 6000-level.

Any required course can be waived (replaced with another) for a student with a similar undergraduate or transferred course or with demonstrated proficiency.

Applicants with relevant prior training and/or experience can apply for up to 6 proficiency transfer credits in [CMP SCI 5991](#).

All graduates will have a broad computing background and will be exposed to a wide range of technologies. They will also be prepared for team work, independent research, technical reporting and presentations. Students may enroll in our program on a full-time or part-time basis, and all options can be completed in the evening, with some courses online.

Applicants must meet the general graduate admission requirements of the [Graduate School](#) and also show proficiency in some key areas as outlined in [Admission Requirements](#). Applicants without some demonstrated foundations can be admitted with restrictions.

Students are advised to group electives into one or more of the available [certificates](#).

Required core courses		Availability
CMP SCI 4250	Programming Languages	FPS
CMP SCI 5130	Advanced Data Structures and Algorithms	FP
CMP SCI 5500	Software Engineering	FP
CMP SCI 5710	Modern Computing	FP
Additional requirements		
Total courses (credit hours) required 30 credit hours (~10 courses)		
Min 3 credits at 6000-level (research courses)		
Attendance in min 5 departmental colloquia		

For more information or the electronic version visit <https://www.umsl.edu/cs/graduate-studies>

Availability: Evening (**E**), Summer (**S**), Fall (**F**), Spring (**P**).

V2/10/2023