

Computer Science (MSCS)

The graduate computer Computer Science program equips students with comprehensive knowledge of contemporary computer science through training that combines both theory and practice. The program provides intensive preparation in the concepts and techniques related to the design, programming, and application of computing systems. The program requires students to take a broad spectrum of courses, while simultaneously allowing for emphasis in desired areas of specialization.

Program: Computer Science

Type: MSCS

Core Course Credits Required

Item #	Title	Credits
CSCI-570	Advanced Algorithms	3
CSCI-551	Advanced Software Engineering I	3
CSCI-510	Computer Architecture	3
CSCI-572	Computability and Complexity	3
CSCI-680	Advanced Operating Systems	3
CSCI-500	Socially Relevant Computing	2
CSCI-600	Research Methods	1
	Sub-Total Credits	18

Elective Course Credits Required

12 hours should be taken from the elective group(s) listed below.

Item #	Title	Credits
	Software Engineering Elective Group	
	Cybersecurity Elective Group	
	Machine Learning/Artificial Intelligence Elective Group	
	Computer Networks Elective Group	
	Computing Systems Elective Group	
	Computational Systems Elective Group	
	Sub-Total Credits	12

Thesis OR MS Project

Choose one:

Item #	Title	Credits
CSCI-699	Thesis	3
CSCI-599	MS Project	3
	Sub-Total Credits	3
	Total credits:	33