

COMPUTER SCIENCE (M.S.)

Requirements

Background courses

Students with insufficient background for graduate-level computer science courses may need to take background coursework. Credits do not apply toward the M.S. program. Students entering the program without an undergraduate degree in computer science may need to take one or more of the following, depending on their background:

Course	Title	Credits
CISC 5220	Data Structures	3
CISC 5250	Computer Organization	3
CISC 5300	Computer Programming C++	3
CISC 5400	Discrete Structures	3

Degree Requirements

The master's degree requires 30 credits of coursework beyond the bachelor's degree, which includes 24 credits of coursework and six credits of a culminating project. It can be completed by a full-time student in three or four semesters. Students are required to choose a concentration based on their interests. A B-average (3.000) must be maintained in courses taken for the master's degree.

Course	Title	Credits
Foundation Courses		
CISC 5325	Database	3
CISC 5595	Operating Systems	3
CISC 5825	Computer Algorithms	3
CISC 5200	Computer Language Theory	3
One Advanced Software course (any additional class in the Software concentration)		3
Two courses from any of the following concentrations: ¹		6
Software		
Artificial Intelligence		
Cybersecurity		
Data Analytics		
Networks and Systems		
One additional course from any concentration area.		3
One of the following options:		6
<i>Thesis Paper & Research</i>		
CISC 8598	M.S. Computer Science Thesis I	
CISC 8599	M.S. Computer Science Thesis II	
<i>Course and Capstone</i>		
One additional elective course ²		
CISC 6597	Capstone Project in Computer Science	
Total Credits		30

¹ A list of courses for each concentration can be found on the Concentrations page (p.).

² Any additional graduate-level CISC course may apply, except for those listed under Background Courses above.