M.S. in Computer Science

Degree Requirements

The Master of Science in Computer Science degree is granted to students who complete the coursework described below. The program consists of nine hours of core courses, nine hours of Area of Concentration courses, and nine hours of open electives for the Graduate Research Project Option or six hours of open electives for the Thesis Option.

Program Core Requirements

CS 529	Computer Security	3
SE 530	Software Requirements Engineering	3
SYS 505	System Safety and Certification	3
Total Credits		**9**

Area of Concentration

Students may choose one of the two Areas of Concentration as shown below.

Computer Science

CS 555	Artificial Intelligence	3
CS 600	Advanced Algorithms	3
DS 615	Data Modeling	3
Total Credits		**9**

Cybersecurity Engineering

CS 527	System Exploitation and Penetration Testing	3
CS 532	Software Security Assessment	3
CS 538	Applied Cryptography	3
Total Credits		**9**

Students may choose the Graduate Research Project or Thesis option, as shown below.

Graduate Research Project Option

Program Core		9
Area of Concentration		9
Open Electives		9
CS 690	Graduate Research Project	3
Total Credits		**30**

Thesis Option

Program Core		9
Area of Concentration		9
Open Electives		6
CS 700	Graduate Thesis	6
Total Credits		**30**