

COMPUTER ENGINEERING, M.S.

Degree Requirements (30 Hours)

The Master of Science in Computer Engineering (MSCE) degree requires 30 credit hours beyond the BS. Students in the MSCE program may elect either the thesis or the non-thesis option.

Coursework

Core (10 Hours)

Course	Title	Credits
CSCE 513	Computer Architecture	3
CSCE 611	Advanced Digital Design	3
CSCE 750	Analysis of Algorithms	3
CSCE 791	Seminar in Advances in Computing	1
Total Credit Hours		10

Electives (20 Hours)

- A maximum of six hours in non-CSCE courses approved by the Graduate Director and at most three hours of CSCE 798 may be applied toward the degree. CSCE 797 may not be applied toward the degree.

Students who choose the non-thesis option must complete 6 hours from the following list:

Course	Title	Credits
CSCE 512	System Performance Evaluation	3
CSCE 516	Computer Networks	3
CSCE 569	Parallel Computing	3
CSCE 574	Robotics	3
CSCE 613	Fundamentals of VLSI Chip Design	3

Thesis Option

Students who choose the thesis option must substitute 6 hours of thesis preparation (CSCE 799) for electives and defend the thesis in a public presentation. The electives must also include at least 8 hours in CSCE courses numbered 700 and above.

Non-Thesis Option

Students who choose the non-thesis option must complete at least 11 of the 20 hours of electives in CSCE courses numbered 700 and above, and pass a written comprehensive examination administered at the end of Fall or Spring semester.