Program Learning Objectives

1. Prepared for successful careers in a computing-related field, including careers that involve positions of technical leadership and advanced responsibility.

2. Exposed to a broad range of computer-science subjects in coursework that emphasizes technical subject matter.

3. Able to perform, analyze, evaluate and synthesize computer science research, in particular, know how to present research findings in oral and written form.

4. Prepared for life-long learning in the discipline of computer science, including continued formal graduate education.

5. Aware of the impacts of computing technology on society and understand ethics and responsible professional conduct.

The MS degree requires at least 45 units beyond the undergraduate degree. Courses must be chosen according to the following requirements:

Select from the following:

CSC 508  Software Engineering I
CSC 509  Software Engineering II
CSC 515  Computer Architecture
CSC 521  Computer Security
CSC 530  Languages and Translators
CSC 540  Theory of Computation II
CSC 550  Operating Systems
CSC 560  Database Systems
CSC 564  Computer Networks: Research Topics
CSC 566  Topics in Advanced Data Mining
CSC 569  Distributed Computing
CSC 570  Current Topics in Computer Science
CSC 572  Computer Graphics
CSC 580  Artificial Intelligence
CSC 581  Computer Support for Knowledge Management
CSC 582  Computational Linguistics

Thesis/Project and Seminar

CSC 590  Thesis Seminar 1

Select from the following: 1

CSC 596 & CSC 597  Research in Computer Science I
and Research in Computer Science II (2, 2)

or

an additional 500-level course (4) 2

CSC 599  Thesis 4

Electives

Selected with Graduate Coordinator approval 2 16

Total units 45

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1 CSC 596 and CSC 597 must be taken before CSC 599.

2 No more than 4-units total of CSC 500 allowed.