Department of Computer Science and Information Systems
Computer Science Master's Degree Plan

Non-Thesis Option – 11 courses and 595
Thesis Option – 8 courses and 6 hrs of 518

Name _____ CWID _____
(Last Name) (First Name)

Advisor _____

Computer Science Prerequisites

Prerequisites do not count towards hours to complete degree.
Most students are required to take these courses.

__ 515 Fundamentals of Programming C/C++
_____(Passed/Waived)
(signature required)

__ 516 Computing and Machine Organization
_____(Passed/Waived)
(signature required)

Core Courses (required)

__ 520 Info Structures & Algorithm Analysis
__ 530 Operating Systems
__ 532 Algorithm Design
__ 540 Computer Architecture
__ 549 Automata Theory

Required – one of the following

__ 595 Research Project
__ 518 Thesis (6 hrs)

Electives

__ 528 Object Oriented Methods
__ 531 Java Programming
__ 542 Microcomputer Instrument and Control
__ 552 Advanced Micro-controller Electronics
__ 546 Numerical Analysis
__ 569 Image Analysis and Recognition
__ _____

Track Emphasis (must complete at least one track)

Track courses can be taken as electives

Database
__ 526 Database Systems
__ 527 Advanced Database and Data Mining

Computer Networks
__ 525 Networking I Local Area Networks
__ 534 Networking II Routers
__ 553 Networking III Unix Based Networks

Information Security
__ 563 Fundamentals of Information Security
__ 568 Cryptography
__ 581 Computer and Network Security

Artificial Intelligence
__ 538 Artificial Intelligence
__ 560 Neural Networks
__ 567 Image Processing w/ Applications

Master's Comprehensive Exam: Each student must pass the Master's Comprehensive Exam. This exam is given during the Fall and Spring semesters and it is the responsibility of the student to register for the test with the department.

Comprehensive Exam: (1) Coordinator: _____ Semester: _____(Pass/Fail)
(2) Coordinator: _____ Semester: _____(Pass/Fail)
(3) Coordinator: _____ Semester: _____(Pass/Fail)

Student: _____ Date: _____

Advisor: _____ Date: _____

*One copy will be maintained in the CS Department. Changes must be done with timely approvals. This is the student's responsibility. (*Rev 1/8/2014)