CSCI-MS
Selected Curriculum for

Interest in Intelligent Systems

Computer Science master’s students are required to take one course from each of the four groups listed below.

Group “A”
☐ CSCE 5430 Software Engineering
☐ CSCE 5450 Programming Languages
☐ CSCE 5650 Compiler Design

Group “B”
☐ CSCE 5580 Computer Networks
☐ CSCE 5610 Computer System Architecture
☐ CSCE 5640 Operating Systems Design

Group “C”
☐ CSCE 5150 Analysis of Algorithms
☐ CSCE 5170 Graph Theory
☐ CSCE 5400 Automata Theory

Group “D”
☐ CSCE 5210 Artificial Intelligence
☐ CSCE 5350 Fundamentals of Database Systems
☐ CSCE 5550 Computer Security

Suggested Courses:

☐ CSCE 5200 Information Retrieval and Web Search 3 sch
☐ CSCE 5210 Artificial Intelligence 3 sch
☐ CSCE 5215 Machine Learning 3 sch
☐ CSCE 5216 Pattern Recognition 3 sch
☐ CSCE 5225 Digital Image Processing 3 sch
☐ CSCE 5270 Computer-Human Interfaces 3 sch
☐ CSCE 5290 Natural Language Processing 3 sch
☐ CSCE 5350 Fundamentals of Database Systems 3 sch
☐ CSCE 5380 Data Mining 3 sch
☐ CSCE 5400 Automata Theory 3 sch
☐ CSCE 5550 Computer Security 3 sch

Major Professors Comments/Suggestions:

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• For MS with thesis, the total number of hours required is 30.
• For MS without thesis, the total number of hours required is 36.
• To continue in good standing, a student must maintain a 3.0 GPA overall.
• Maximum of one CSCE 5934 Directed Study and/or CSCE 5900-5930 Special Problems course is permitted and the CSCE 5932 Internship course may not be included on the degree plan.

12.3.2015