CSCI-MS
Selected Curriculum for

Interest in Software Engineering
Advising Sheet

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 5270 Computer-Human Interfaces 3 sch
☐ CSCE 5350 Fundamentals of Database Systems 3 sch
☐ CSCE 5360 Implementations & Practices of Database Systems 3 sch
☐ CSCE 5430 Software Engineering 3 sch
☐ CSCE 5450 Programming Languages 3 sch
☐ CSCE 5650 Compiler Design 3 sch
☐ CSCE 5655 Principles of Compiler Optimization 3 sch
☐ CSCE 5933 Software Testing and Empirical Methodologies 3 sch
☐ CSCE 5933 Usability Testing 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.