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.*
- *Only one unorganized course (not less than 3 sch), and up to 2 Internship courses (max 2 each) may be placed on the MS degree plan. All outside courses must have prior approval by the student's major professor with a justification written on the back of the degree plan.*