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 5150 Analysis of Algorithms 3 sch
- ☐ CSCE 5160 Parallel Processing and Algorithms 3 sch
- ☐ CSCE 5170 Graph Theory 3 sch
- ☐ CSCE 5200 Information Retrieval and Web Search 3 sch
- ☐ CSCE 5210 Artificial Intelligence 3 sch
- ☐ CSCE 5215 Machine Learning 3 sch
- ☐ CSCE 5220 Computer Graphics 3 sch
- ☐ CSCE 5230 Methods of Numerical Computations 3 sch
- ☐ CSCE 5400 Automata Theory 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.