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 5160 Parallel Processing and Algorithms 3 sch
- ☐ CSCE 5215 Machine Learning 3 sch
- ☐ CSCE 5510 Wireless Communications 3 sch
- ☐ CSCE 5520 Wireless Networks and Protocols 3 sch
- ☐ CSCE 5580 Computer Networks 3 sch
- ☐ CSCE 5610 Computer System Architecture 3 sch
- ☐ CSCE 5620 Real-Time Operating Systems 3 sch
- ☐ CSCE 5640 Operating Systems Design 3 sch
- ☐ CSCE 5650 Compiler Design 3 sch
- ☐ CSCE 5655 Principles of Compiler Optimization 3 sch
- ☐ CSCE 5730 Digital CMOS VLSI Design 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.*