

CSCI-MS  
Selected Curriculum for

# Interest in Database Management and Data Mining

## *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 "C"**

- CSCE 5150 Analysis of Algorithms
- CSCE 5170 Graph Theory
- CSCE 5400 Automata Theory

**Group "B"**

- CSCE 5580 Computer Networks
- CSCE 5610 Computer System Architecture
- CSCE 5640 Operating Systems Design

**Group "D"**

- CSCE 5210 Artificial Intelligence
- CSCE 5350 Fundamentals of Database Systems
- CSCE 5550 Computer Security

### *Suggested Courses:*

<input type="checkbox"/>	<b>CSCE 5170</b>	Graph Theory	3 sch
<input type="checkbox"/>	<b>CSCE 5200</b>	Information Retrieval and Web Search	3 sch
<input type="checkbox"/>	<b>CSCE 5210</b>	Artificial Intelligence	3 sch
<input type="checkbox"/>	<b>CSCE 5215</b>	Machine Learning	3 sch
<input type="checkbox"/>	<b>CSCE 5216</b>	Pattern Recognition	3 sch
<input type="checkbox"/>	<b>CSCE 5350</b>	Fundamentals of Database Systems	3 sch
<input type="checkbox"/>	<b>CSCE 5360</b>	Implementations & Practices of Database Systems	3 sch
<input type="checkbox"/>	<b>CSCE 5370</b>	Distributed and Parallel Database Systems	3 sch
<input type="checkbox"/>	<b>CSCE 5380</b>	Data Mining	3 sch
<input type="checkbox"/>	<b>CSCE 5550</b>	Computer Security	3 sch
<input type="checkbox"/>	<b>CSCE 5933/5390</b>	Topics in CSCE, Topic: Multimedia Computing	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.