**CSCI-MS**
**Selected Curriculum for**

# Interest in Intelligent Systems

## *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:*

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|---|---|---|---|
| ☐ | **CSCE 5200** | Information Retrieval and Web Search | 3 sch |
| ☐ | **CSCE 5210** | Artificial Intelligence | 3 sch |
| ☐ | **CSCE 5215** | Machine Learning | 3 sch |
| ☐ | **CSCE 5216** | Pattern Recognition | 3 sch |
| ☐ | **CSCE 5225** | Digital Image Processing | 3 sch |
| ☐ | **CSCE 5270** | Computer-Human Interfaces | 3 sch |
| ☐ | **CSCE 5290** | Natural Language Processing | 3 sch |
| ☐ | **CSCE 5350** | Fundamentals of Database Systems | 3 sch |
| ☐ | **CSCE 5380** | Data Mining | 3 sch |
| ☐ | **CSCE 5933/5300** | Intro to Big Data and Data Science | 3 sch |
| ☐ | **CSCE 6260** | Adv Topics Pattern Rec and Image Proc. | 3 sch |
| ☐ | **CSCE 6290** | Adv Topics Human-Machine Intelligence | 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 organized 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.*

8/20/18