

CSCI-MS

Graduate Track/Specialty Area

Worksheet

Name of Track: **Informatics**

Faculty Member(s) using track: **Yan Huang, Rodney Nielsen, JungHwan Oh, Kathleen Swigger, Xiaohui Yuan**

Required Courses for all Tracks: 3 credits (Algorithms) are required for all CSCI tracks.

Course Number	Course Name	Credits	Semester Taken
CSC 5150	Analysis of Computer Algorithms	3	

Track Core Courses: Each track will require a minimum of 9 credits to be chosen from a list of at least 3 courses. This list may include specific courses that students must take, provide a choice between a short list of courses, or any combination thereof.

Core Courses Required: **3**

Course Number	Course Name	Credits	Semester Taken
CSC 5200	Information Retrieval	3	
CSC 5216	Pattern Recognition	3	
CSC 5270	Computer-Human Interfaces	3	
CSC 5350	Database System I	3	
CSC 5360	Database System II	3	
CSC 5380	Data Mining	3	
CSC 6350	Advanced Database Design	3	

Track Supporting Courses: Tracks are expected to provide a list of supporting courses. Tracks may require a student to take courses from the supplemental list based on the following:

- **for thesis option:** The maximum number of required courses across the track (**core and supporting**) should not exceed 15 credits (not including thesis). For MS with thesis, the total number of hours required is 30. This leaves a minimum of 6 credit hours free for the student to choose. One 6000 level course must be included on your degree plan.
- **for course option:** The maximum number of required courses across the track (**core and supporting**) should not exceed 21 credits. For MS without thesis, the total number of hours required is 36. This leaves a minimum of 12 credit hours free for the student to choose. One 6000 level course must be included on your degree plan.

Supporting Courses Required: **1/1** (may include core courses not selected)

Course Number	Course Name	Credits	Semester Taken
CSC 5210	Artificial Intelligence	3	
CSC 5900	Special Problems related to Informatics	3	
CSC 5933	Topics related to Informatics	3	
CSC 5934	Directed Study related to Informatics	3	
CSC 6260	Adv Pattern Recognition and Image Processing	3	
CSC 6933	Topics related to Informatics	3	

Total Required Courses for Track/Specialty Area: **5/5**