

Professional MCS Degree Program Requirements Student Planning Worksheet

Name: _____

COMMENTS

Must maintain an overall 3.0 GPA	
Degree must be completed within 3 continuous semesters (online students must complete within 5 years)	
ESL Requirement Complete (for international students only)	
Must complete 32 Credit Hours	
Breadth Requirement Total Credit Hours Completed	
500-level Requirement Total Credit Hours Completed	
Additional Coursework Total Credit Hours Completed	
Minus additional CS 591 credit hours over 4 credits	
Total Credit Hours Completed	

Breadth Requirement: 12-16 credit hours

Must complete four different courses, each from a different area, from the following eight core areas with a grade of B- or higher.

Architecture, Compilers, Parallel Computing	CREDIT HRS	GRADE	COMMENTS
CS 426, 431, 433, 435, 462, 483, 484, 526, 533, 536			
Artificial Intelligence			
CS 440, 443, 445, 446, 447, 543, 544, 546, 548			
Bioinformatics and Computational Biology (effective Fall 2017)			
CS 466, 581			
Database, Information Systems			
CS 410, 411, 412, 510, 511, 512			
Formal Methods, Programming Languages, Software Engineering			
CS 421, 422, 427, 428, 476, 477, 522, 524, 527, 528, 576			
Graphics/HCI			
CS 417, 418, 419, 445, 465, 467, 519, 565			
Systems and Networking (includes real-time systems & security)			
CS 414, 423, 424, 425, 438, 439, 461, 463, 523, 525, 538, 541, 545, 563			
Scientific Computing			
CS 450, 457, 482, 554, 555, 556, 558			
Theoretical Computer Science			
CS 473, 475, 571, 573, 574, 579, 583			
Total Credit Hours from Distribution Coursework - 9 to 12 credit hours			

ADVANCED COURSES (12 HRS) (CS 500-590 or 598; Grade must be C or higher.)

One 500-level may be an approved non-CS 500-level course that relates to the MCS degree or a 4 credit hrs CS 597.

500-LEVEL Courses (500-590 or 598)	CREDIT HRS	GRADE	COMMENTS
Total Credit Hours from Advanced Courses - 12 credit hours			

ADDITIONAL COURSEWORK (4 to 8 hours; Letter grades must be C or higher.)

Additional Courses	CREDIT HRS	GRADE	COMMENTS

Note: up to 4 credit hours of CS 591 may count towards the additional coursework.

Total Credit Hours from Additional Courses - 4 to 8 credit hours
