Student Worksheet for the BS-MCS Degree Program

Name: **COMMENTS:**

BS Credit Hours		120	
Shared Coursework between BS and MCS Degree		9 - 12	**3 courses only**
Total Credit Hours Required for BS Degree Conferral		**129+**	**Must have 3.0 GPA**
MCS Credit Hours		32	
Shared Coursework between BS and MCS Degree		9 - 12	**3 courses only**
Additional Coursework Hours Required		20 - 23	
Total Credit Hours Required for MCS Degree Conferral		**32**	**Must have a 3.0 GPA**

Breadth Requirement: 12-16 HRS *(Grade must be a B- or higher)*

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

AREA	CREDIT HRS	GRADE	COMMENTS
Architecture, Compilers, Parallel Computing			
CS 426, 431, 433, 483, 484, 526, 533, 534, 536			
Artificial Intelligence			
CS 440, 441, 442, 443, 444, 445, 446, 447, 448, 540, 542, 543, 544, 545, 546, 588, 598 DL for Healthcare			
Bioinformatics and Computational Biology			
CS 466, 581, 582			
Computers and Education			
CS 500			
Database and Information Systems			
CS 410, 411, 412, 470, 510, 511, 512, 514			
Interactive Computing			
CS 409, 415, 416, 417, 418, 419, 445, 465, 467, 469, 519, 565, 567, 568			
Programming Languages, Formal Methods, Software Engineering			
CS 421, 422, 427, 428, 474, 475, 476, 477, 521, 522, 524, 527, 576, 584			
Scientific Computing			
CS 450, 482, 554, 555, 556, 558			
Security and Privacy			
CS 461, 463, 562, 563			
Systems and Networking			
CS 414, 423, 424, 425, 434, 435, 436, 437, 438, 439, 461, 463, 498 Cloud Computing Applications, 523, 525, 537, 538, 541, 563			
Theoretical Computer Science			
CS 473, 475, 507, 571, 573, 574, 579, 580, 583, 586			
Total Credit Hours from Distribution Coursework - 12 - 16 credit hours			

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

500-LEVEL Courses (500-590 or 598)	CREDIT HRS	GRADE	COMMENTS
Note: Only 4 credits of an approved Non-CS Advanced Course may count towards the degree.			
Total Credit Hours from Advanced Courses - 12 credit hours			

ADDITIONAL COURSEWORK (4 to 8 hours)	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			

Degree requirements must be completed within 5 years for both degrees (up to 4 yrs for BS & two semesters for MCS).