

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.

Architecture, Compilers, Parallel Computing	CREDIT HRS	GRADE	COMMENTS
CS 426, 431, 433, 435, 462, 483, 484, 526, 533, 536, 598 Energy-Efficient Comp Architec*, 598 Approx & Probabilistic Comp*			
Artificial Intelligence			
CS 440, 443, 445, 446, 447, 498 Audio Computing Lab*, 543, 544, 546, 548, 598 Signal Processing*			
Bioinformatics and Computational Biology			
CS 466, 581			
Database and Information Systems			
CS 410, 411, 412, 510, 511, 512			
Formal Methods, Programming Languages, Software Engineering			
CS 421, 422, 427, 428, 476, 477, 498 Logic in Computer Science*, 522, 524, 527, 528, 576			
Interactive Computing			
CS 417, 418, 419, 445, 465, 467, 519, 565			
Security and Privacy			
CS 461, 463, 563			
Systems and Networking			
CS 414, 423, 424, 425, 434, 438, 439, 461, 463, 498 IOT , 498 IOT Software Engineering*, 523, 525, 538, 541, 545, 563, 598 Advanced Multimedia Systems*			
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 - 12 - 16 credit hours			

* Courses temporarily approved to satisfy breadth requirements for Fall 2020 only.

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).