

BS-MS Degree Program Requirements Student Planning Worksheet

Name: _____ **UIN:** _____ **Date:** _____ **Reviewer Initials:** _____

Completed BS Degree Requirements		Total Credit Hours: Breadth Requirement	
Cumulative MS GPA (<i>must maintain 3.0 or above</i>)		Total Credit Hours: Advanced Requirement	
In final semester: applied for BS degree		Total Credit Hours: Additional Coursework	
In final semester: applied for MS degree		<i>Coursework not counted toward degree</i>	
Deposit of MS Thesis		Thesis Research (CS 599): 4 hours required	
Total Credit Hours toward degree (28 hours of coursework + 4 hours of CS 599)			/ 32

BREADTH REQUIREMENT (Grade must be B- or higher)

Must complete three different courses, each from a different core area listed below with a grade of B- or higher.

AREA	Credit Hours	Grade	Semester	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, 507, 539, 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 Breadth Coursework (9-12 credit hours)	=	In Progress	=	

ADVANCED COURSES: CS 500-590 or 598 (Grade must be C or higher)

One 500-level course must be completed in one of the three chosen core areas above in the "Breadth Requirement". The remaining 2 advanced courses may be chosen from CS 500-590 or 598 or an approved non-CS 500-level course).

Breadth/Depth Course	Credit Hours	Grade	Semester	Comments
2 Additional Advanced Courses (CS 500-590 or 598) (an approved non-CS 500-level course may satisfy one of these)				
Total Credit Hours from Advanced Coursework (12 credit hours)	=	In Progress	=	

OTHER REQUIRED COURSE & ADDITIONAL COURSEWORK (Grade must be C or higher)

Elective CS or other approved course(s) at 400- or 500-level. Note up to 4 credit hours of CS 591, CS 491, or equivalent coursework may count towards the degree. Up to 4 credit hours of CS 597 can be counted towards the BS-MS degree as additional coursework.

ADDITIONAL COURSES	Credit Hours	Grade	Semester	Comments
Total Other & Additional Credit Hours	=	In Progress	=	