

## Student Worksheet for the BS-MS Degree Program

Name: \_\_\_\_\_

COMMENTS

BS Credit Hours		120	
Shared Coursework between BS and MS Degree		9 - 12	
<b>Total Credit Hours Required for BS Degree Conferral</b>		<b>129+</b>	<b>Must have 3.0 GPA</b>
MS Credit Hours		32	
Shared Coursework between BS and MS Degree		9 - 12	
Additional Coursework Hours Required		16 - 19	
Thesis Credit Hours (599)		4	
<b>Total Credit Hours Required for MS Degree Conferral</b>		<b>32</b>	<b>Must have a 3.0 GPA</b>

### Breadth Requirement- 9-12 HRS - B- or Higher

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

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

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

*Courses must not have been completed for the Breadth Requirement.*

*One 500-level course must be completed in one of the three chosen core areas above in the "Breadth Requirement".*

*The remaining two courses may be chosen from any 500-level CS course (500-590 or 598 only), or an approved non-CS 500-level course may satisfy 4 credit hours of this requirement.*

<b>500-level course to serve as second course from one of the three chosen core areas in Breadth Requirement</b>	CREDIT HRS	GRADE	COMMENTS
<b>Additional 2 500-level Courses (CS 500-590 or 598)</b>			
<b>Total Credit Hours from Advanced Courses - 12 credit hours</b>			

### ADDITIONAL COURSEWORK (4 to 7 hours; Letter grades must be C or higher.)

<b>Additional Courses</b>	CREDIT HRS	GRADE	COMMENTS
<b>Total Credit Hours from Additional Courses - 4 to 7 credit hours</b>			

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

<b>Total Credit Hours from Additional Courses - 4 to 7 credit hours</b>			
<b>Deposit of MS Thesis</b>	Yes	No	

*Degree requirements must be completed within 5 years for both degrees (up to 4 yrs for BS and 1 yr for MS).*