

## MS Degree Program Requirements Student Planning Worksheet

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

COMMENTS: \_\_\_\_\_

Must maintain an overall 3.0 GPA	
Degree must be completed within 5 semesters.	
ESL Requirement Complete (for international students only)	
Must complete 32 Credit Hours	
<b>28 hours of Coursework</b>	
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	
<b>4 hours of Thesis Research (CS 599) required</b>	
<b>Total Credit Hours Completed</b>	

### Breadth Requirement: 9-12 HRS (Grade must be a B- or higher)

Must complete three 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 Architect*, 598 Approx & Probabilistic Comp*			
<b>Artificial Intelligence</b>			
CS 440, 443, 445, 446, 447, 498 Audio Computing Lab*, 543, 544, 546, 548, 598 Signal Processing*			
<b>Bioinformatics and Computational Biology</b>			
CS 466, 581			
<b>Database and 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, 498 Logic in Computer Science*, 522, 524, 527, 528, 576			
<b>Interactive Computing</b>			
CS 417, 418, 419, 445, 465, 467, 519, 565			
<b>Security and Privacy</b>			
CS 461, 463, 563			
<b>Systems and Networking</b>			
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*			
<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>			

\* 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)

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.

500-level course to serve as second course from one of the three chosen core areas in Breadth Requirement	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 (Minimum of 24 coursework hours and 32 total credit hours; Letter grades must be C or higher.)

Additional Courses	CREDIT HRS	GRADE	COMMENTS
<b>Note: up to 4 credit hours of CS 591 may count towards the additional coursework.</b>			
<b>Total Credit Hours from Additional Courses</b>			
Deposit of MS Thesis	Yes	No	