MS Degree Program Rquirements
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	
28 hours of Coursework	
Breadth Requirement Total Credit Hours Completed	
500-level Requirement Total Credit Hours Completed	
Additional Coursework Total Credit Hours Completed	
Minus additional CS 591credit hours over 4 credits	
4 hours of Thesis Research (CS 599) required	
Total Credit Hours Completed	

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.

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 Breadth Coursework - 9 to 12 credit hours			

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
Additional 2 500-level Courses (CS 500-590 or 598)			
Total Credit Hours from Advanced Courses - 12 credit hours			

OTHER REQUIRED COURSE (0-4 HRS) (CS 591 PD, ENG 572 CS, or elective course at 400- or 500-level; Letter grades must be C or higher.)

Required Course	CREDIT HRS	GRADE	COMMENTS

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
Note: up to 4 credit hours of CS 591 may count towards the additional coursework.			
Total Credit Hours from Additional Courses			
Deposit of MS Thesis	Yes		No