

Required Courses for PhD or Non-thesis MS in Computer Science

Student Name _____ Degree Sought _____ Date of Admission _____

Required Courses for Ph.D.	Course Meeting Requirements	Year/ Semester	Grade
Select one from each of the following three groups			
CS 6100 Foundations in Computer Science			
CS 6150 Algorithms			
CS 6460 Operating Systems			
CS 6480 Computer Networks			
CS 7460 Advanced Operating Systems			
CS 6810 Advanced Computer Architecture			
CS 6710 Digital VLSI Design			
CS 6720 Advanced Integrated Circuit Design			
CS 6740 Cad of Digital Circuits			
CS 6770 Advanced Digital VLSI Systems Design			
CS 6830 VLSI Architecture			
CS 7820 Parallel Computer Architecture			
Two of the following six courses			
CS 5470 Compiler Principles and Techniques			
CS 6785 Advanced Embedded Systems			
CS 7820 Parallel Computer Architecture			
CS 6480 Computer Networks			
CS 7460 Advanced Operating Systems			
CS 7520 Programming Languages & Semantics			
CS 6470 Advanced Topics in Compilation			
CS 6510 Functional Programming			
CS 6210 Advanced Scientific Computing			
CS 6220 Advanced Scientific Computing II			
CS 7120 Information Based Complexity			
CS 6530 Database Systems			
CS 6300 Artificial Intelligence			
CS 6350 Machine Learning			

PhD	Min 3.5	Min B
MS	Min 3.0	Min C

Student Signature _____ Date _____ Graduate Studies Director _____ Date _____