

Master of Science Degree in Computer Science Approved Courses for MSCS Depth Requirement

Course Number	Course Title
BME 5170	Data Mining with Applications in the Life Sciences
CS 5120	Parallel Computing I
CS 5160	Problem Solving with Bioinformatics Tools
CS 5180	Statistical Foundations for Bioinformatics
CS 5440	Data Communications
CS 5620	Database Systems
CS 5750	Internet Engineering
CS 5800	Artificial Intelligence
CS 6050	Parallel Computation Theory
CS 6060	Computational Complexity
CS 6120	Real Time Systems
CS 6150	Computational Genomics
CS 6250	Computer Graphics and Visualization
CS 6410	Medical Image Analysis
CS 6420	Artificial Intelligence in Medicine
CS 6440	Advanced Topics in Computer Networking
CS 6571	Software Specification
CS 6572	Software Design
CS 6573	Software Implementation
CS 6800	Advanced Topics in Artificial Intelligence
CS 6820	Artificial Intelligence: Case-Based Reasoning
CS 6830	Machine Learning
CS 6840	Natural Language Processing
CS 6850	Image Understanding
CS 6860	Information Retrieval and Web Search
CS 6890	Deep Learning
EE 6153	VLSI Systems Design
EE 6633	Architecture of Parallel Computers
EE 6663	Pattern Recognition
EE 6673	Interconnection Networks for High-Performance Computing Systems
EE 6743	Information Theory