CURRICULUM FOR MASTER OF SCIENCE
COMPUTER SCIENCE

32 Hours Required for Graduation

Name:_____ **UNM ID#**_____

MATHEMATICAL METHODS				
Course # ***Required B- or better***	**Cr**		**Grade**	**Sem/Yr**
CS 500: Intro Theory of Computation	3			
CS 530: Geometric & Probabilistic Methods	3			
CS 550: Prog. Languages & Systems	3			
CS 558: Software Foundations	3			
CS 561: Algorithms/Data Structure	3			

EMPIRICAL METHODS				
Course # ***Required B- or better***	**Cr**		**Grade**	**Sem/Yr**
CS 512: Intro Comp Graphics/Adv. Image Synthesis	3			
CS 522: Digital Image Processing	3			
CS 523: Complex Adaptive Systems	3			
CS 527: Principles of Artificially Intelligent Machines	3			
CS 529: Introduction to Machine Learning	3			
CS 547: Neural Networks	3			

ENGINEERING/SYSTEM BUILDING METHODS				
Course # ***Required B- or better***	**Cr**		**Grade**	**Sem/Yr**
CS 554: Compiler Construction	3			
CS 580: Specification of Software Systems	3			
CS 585: Computer Networks	3			
CS 587: Advanced Operating Systems	3			
Add'l course: CS 442: Intro to Parallel Processing	3			
Add'l course: CS 544: Intro to Cybersecurity	3			
Add'l course: CS 564: Intro to Database Mgmt.	3			

CS ELECTIVES or 3-6crhrs GRADUATE COURSES*				
***w/CS faculty approval related to CS from outside the department**				
Course #	**Cr**		**Grade**	**Sem/Yr**
Elective CS or Grad Credit:	3			
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CS ELECTIVES or THESIS RESEACH				
Course #	**Cr**		**Grade**	**Sem/Yr**
CS 599 or Elective CS:	3			
CS 599 or Elective CS:	3			

COLLOQUIUM				
Course #	**Cr**		**Grade**	**Sem/Yr**
CS 592: Colloquium	1			
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