



COLLEGE OF LIBERAL ARTS & SCIENCES

Master of Science

APPLIED MATHEMATICS & COMPUTER SCIENCE

Total Credits Required: 36

Degree Requirements for those entering the program after January 2006

NAME:	ID#:	DATE:
Address:	Tel:	Email:

A. Deficiency Requirements for Provisional Admittance

Computer Science Deficiencies	Mathematics Deficiencies
C101/A504 Programming I (C++) : _____	M208 /M215 Calculus I : _____
C201/A506 Programming II (C++) : _____	M209 /M216 Calculus II : _____
C243/A594 Data Structures : _____	M301 / Linear Algebra : _____
C335/ A593 Computer Structures : _____	M365 or M463/M466 - Probability/Statistics : _____

B. Requirement Group-A (9 Credits)

B503 - Algorithms Design & Analysis : _____	B538 - Networks & Distrib. Computing : _____
<i>And choose 2 from the list to the right:</i>	B551 - Artificial Intelligence : _____
	B561 - Advanced Database Concepts : _____
	B581 - Advanced Computer Graphics : _____
	P565 - Software Engineering : _____

C. Requirement Group-B (9 Credits)

<i>Choose 3 from the list to the right:</i>	M560 - Applied Stochastic Processes : _____
	M562 - Stat. Design of Experiments : _____
	M571 - Analysis of Numerical Methods I : _____
	M575 - Simulation Modeling : _____
	M576 - Forecasting : _____
	M577 - Operations Research : _____

D. ADDITIONAL COURSES IN THE AREA OF CONCENTRATION (12 to 15 Credits)

B553 - Biomorphic Computing : _____	C431 – Assemblers & Compilers I : _____
B582 - Image Synthesis : _____	B438 - Computer Networks : _____
B583 - Game Programming & Design : _____	C435 - Operating Systems : _____
B651 - Natural Language Processing : _____	C421 - Computer Organization : _____
B524 - Parallel & Distributed Computing : _____	C441 - Info Org & Retrieval : _____
B657 - Computer Vision : _____	C442/A510 -Database Management Systems : _____
B689 - Graphics and HCI : _____	C463 - Artificial Intelligence : _____
M546 - Control Theory : _____	C490 - Topics in CS : _____
M551 - Markets & Asset Pricing : _____	M463 - Introduction to Probability Theory : _____
M565 - Analysis of Variance : _____	M466 - Introduction to Math Stats : _____
M415 - Complex Variables & Applications : _____	M572 Numerical Analysis II : _____
M451 - Math of Finance & Interest : _____	M447 Math Modeling I : _____
<i>Also, additional courses from Group B and Group C may be selected.</i>	M448 Math Modeling II : _____
	<i>No more than three 400-level courses may be selected.</i>

E. THESIS OR PROJECT (3 to 6 Credits)

Thesis or Project Title:			
Graduate Advisor:			
Committee Member:			