Name:_____

APPLIED AND COMPUTATIONAL MATHEMATICS

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MAJOR REQUIREMENTS 2002 - 2014

ALL REQUIRED COURSES MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER

COURSES REQUIRED	MINIMUM CREDITS	COURSES COMPLETED Subj.#:Course#	COMPLETED CREDITS	SEM/YR	SENIOR REVIEW
FIRST YEAR					
UNIFIED CALCULUS I	4	640:121			
UNIFIED CALCULUS II	4	640:122			
ELEMENTS OF PHYSICS I and LAB	3,1	750:131, 133			
ELEMENTS OF PHYSICS II and LAB	3,1	750:132, 134			
SOPHOMORE YEAR					
PROGRAMMING FUND., SOFTWARE LAB	3,1	198:111,112			
UNIFIED CALCULUS III	4	640:221			
DISCRETE MATHEMATICS	3	640:237			
LINEAR ALGEBRA	3	640:250			
JUNIOR YEAR					
OBJECT ORIENTED PROG.,SOFTWARE LAB	3,1	198:113,114			
DESIGN AND ANALYSIS OF ALGORITHMS	3	198:371			
INTRO. TO NUMERICAL METHODS	3	198:381			
ELEMENTARY DIFFERENTIAL EQUATIONS	3	640:314			
SENIOR YEAR					
ADVANCED NUMERICAL METHODS	3	198:481			
ADVANCED DISCRETE MATHEMATICS	3	640:358			
PARTIAL DIFFERENTIAL EQUATIONS AND BOUNDARY VALUE PROBLEMS	3	640:463			
APPLIED and COMP. MATH ELECTIVE	3				

(Choose from: 198:316 Parallel Programming, 198:456 Computer Graphics, 198:458 Scientific Visualization, 640:345 Mathematics on the Web, 640:347 Visualizing Mathematics by Computer, 640:357 Computational Mathematics, 640:427 Advanced Differential Equations, 645: 557 Signal Processing, 645:558 Queuing Theory

Minimum Total Credits 55 **Actual Credits Completed** _____ **C=Complete**

NOTE: For a minor in Computer Science, a student needs to take the following additional two courses: 198:231Introduction fo Computer Organization and 198:321 Programming Language Concepts.

TOTAL DEGREE CREDITS REQUIRED: 120 **TOTAL CREDITS COMPLETED:**_____

SENIOR REVIEW APPROVAL BY FACULTY ADVISOR:_____

DATE OF REVIEW:_____

STUDENT SIGNATURE AND DATE: _____

2009