B.S. in MATHEMATICS with Option in Industrial Mathematics

Name _____   ID# _____

Advisor _____

CORE: 61 HOURS

Area A (9 hrs)	Hrs	Term	Grade	
ENGL 1101 Composition I (min grade C)	3			
ENGL 1102 Composition II (min grade C)	3			
MATH 1113 Precalulus (min grade C)	3			

Area B (4 hrs min)	Hrs	Term	Grade	Test
CIS 1000	2			
SOSC 1000, SOSC 1101, GEOG 1101	2/3			
ENGL 2200	3			
COMM 1110	3			
SOCI 2295	2			
THEA 1110	3			
Foreign Language (2000 or higher)	3			

Area C (6 hrs)	Hrs	Term	Grade	
ENGL 2110 or ENGL 2120 or ENGL 2130	3			
Select one:	3			
ARTC 1100, MUSC 1100, or THEA 1100				

Area D (12 hrs) Area D Lists	Hrs	Term	Grade	
MATH 1120 Calculus I (min grade C)	4			
One lab sequence from list A recommended*	8			
PHYS 1111/1112 Introductory Physics I/II				
PHYS 2211/2212 Principles of Physics I/II*				

Area E (12 hrs)	Hrs	Term	Grade	
POLS 1101 American Government	3			
HIST 1111 or 1112 World Civilization I or II	3			
HIST 2111 or 2112 US History I or II	3			
Select one:	3			
ECON 2105, SOCI 1101				
HIST 1111 or 1112,				
PSYC 1101 or ANTH 1102				

Area F (18 hrs)	Hrs	Term	Grade	
CSCI 1301 Intro Programming I	4			
MATH 2221 Calculus II	4			
MATH 2222 Calculus III	4			
MATH 2223 Discrete Systems I	3			
MATH 2224 Discrete Systems II	3			

Physical Education (4 hrs)	Hrs	Term	Grade	
PEDS 1010 Lifetime Fitness	1			
PEDS 2000 CPR/First Aid	2			
PEDS _____ (Activity)	1			
(Activity must be swimming if swimming test not passed)				

Additional Requirements	
GA HISTORY _____	UNIV 1000 _____
GA CONSTITUTION _____	US HISTORY _____
REGENT'S READING _____	US CONSTITUTION _____
GEOGRAPHY _____	REGENT'S WRITING _____
	SWIMMING_____

MAJOR/ELECTIVE REQUIREMENTS: 59 HOURS

Major Requirements (31 hrs)	Hrs	Term	Grade
CSCI 1302 Intro Programming II	4		
MATH 3313 Differential Equations	3		
MATH 3325 Mathematical Statistics	3		
MATH 4440 Partial Differential Equations	3		
MATH 4454 Industrial Mathematics I	3		
MATH 4455 Industrial Mathematics II	3		
Select one sequence:	6		
MATH 3316/3317 Analysis I/II			
MATH 4412/4413 Modern Algebra I/II			
MATH 4450/4451 Topology I/II			
Select two couses:	6		
MATH 3320 Scientific Computation			
MATH 3322 Adv Mathematical Modeling			
MATH 4442 Complex Analysis			
*MATH 4499 Senior Honors Thesis			

Free Electives (10 hrs)	Hrs	Term	Grade
Free Elective	4		
Free Elective	3		
Free Elective	3		

This major requires a minor.   Minor Fields

Approved Minor (18 hrs)	Hrs	Term	Grade
18 Hours of upper division work, beyond the core, in a			
university discipline that offers a bachelor's program.			
For minors requiring less than 18 hours, the difference will			
be assigned to extra elective hours.			
	3		
	3		
	3		
	3		
	3		
	3		

Degree Checklist:

_____ Application for graduation

_____ Exit Interview

_____ GRE or dept approved graduate level exam

ADDITIONAL REQUIREMENTS:

Minimum grade of "C" required in **Area F** and all major courses.

* Registration for this class is by department invitation.

UNIVERSITY REQUIREMENTS

A <u>minimum</u> of 120 semester hours must be completed for graduation.

39 semester hours must be upper division work at the 3000-4000 level.

Students entering prior to fall 2002 are required to pass a test of

geographic knowledge or to earn a passing grade in one of the following

courses: SOSC 1000, SOSC 1101, GEOG 1101, GEOG 4550, POLS 4550.

Students entering fall 2002 or later do not have to meet this requirement.

effective 2003-2004