

## B.S. Mathematics with Teacher Certification

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 Precalculus (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		
<b>Select one:</b>	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		
<b>Select one:</b>	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		
<b>(Activity must be swimming if swimming test not passed)</b>			

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

### MAJOR/ELECTIVE REQUIREMENTS: 62 HOURS

Major Requirements (31 hrs)	Hrs	Term	Grade
CSCI 1302 Intro Programming II	4		
MATH 2204 Statistics	3		
MATH 3100 Modern Geometry	3		
MATH 3200 Number Theory	3		
MATH 3325 Mathematical Statistics	3		
MATH 4412 Modern Algebra I	3		
MATH 4413 Modern Algebra II	3		
MATH 4490 History & Phil of Math	3		
<b>Select two courses:</b>			
MATH 3313 Differential Equations	3		
MATH 3316 Analysis I	3		
MATH 3317 Analysis II	3		
MATH 3320 Scientific Computation	3		
MATH 3322 Adv Math Modeling	3		
MATH 4440 Partial Differential Equations	3		
MATH 4442 Complex Analysis	3		
MATH 4450 Topology I	3		
MATH 4451 Topology II	3		
*MATH 4499 Senior Honors Thesis	3		

Certification Courses (19 hrs)	Hrs	Term	Grade
EDSC 4080 Materials & Methods	4		
EDSP 2010 Intro to Special Ed	3		
EDUC 2010 Intro to Education	3		
EDUC 3200 Audio Visual & Tech	3		
EDUC 3300 OR PSYC 3310	3		
PSYC 2103 Human Growth & Devlp	3		

Education Capstone Exp (12 hrs)	Hrs	Term	Grade
EDSC 4960 Practicum/Grades 7-12	3		
EDSC 4970 Student Teaching/Knowledge	3		
EDSC 4980 Student Teaching/Skills	3		
EDSC 4990 Student Teaching/Dispositions	3		

Degree Checklist:
Application for graduation
Exit Interview
GRE or dept approved graduate level exam

ADDITIONAL REQUIREMENTS:
Minimum grade of "C" required in <b>Area F</b> and all major courses.
*Registration for this class is by department invitation.

Teacher Certification Notes
Professional Checklist (link here)
Additional Requirements (link here)

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.