

B.S. Mathematics – Teacher Certification
2011-2012 Catalog

This plan is an unofficial document used for advisement only.

How to use this program plan: Write the grade for the course that satisfies each requirement. If the student takes a course that is chosen from a list of possible courses, circle the course number taken in addition to writing the grade.

General Education: (60 hours)

School Grade

Area A - Essential Skills: (9 hours)
("C" or better)

- _____ ENGL 1101 English Composition I
 _____ ENGL 1102 English Composition II
 _____ MATH 1113 Pre-calculus OR MATH 2200 Calculus I

Area B - Institutional Option (4 hours)

- _____ ITEC 1001 Introduction to Computing

Area C - Humanities/Fine Arts (6 hours)

Choose one from the following:

- _____ MUSC 1100/ARTS 1100/ENGL 2110/2100/FILM 1005

Choose one from the following:

- _____ RELN 1100/GEOG 1101/2000 level foreign lang

Area D – Natural Sciences, Math, Technology
(11 hours)

- _____ CHEM 1211K *and* 1212K

Choose one from the following:

- _____ ITEC 2110 Digital Media
 _____ ITEC 2120 Introduction to Programming

Area E – Social Science (12 hours)

- _____ POLS 1101 American Government
 _____ HIST 2111 *or* HIST 2112 U.S. History I & II

Select one course:

- _____ HIST 2111 (if not used above)
 _____ HIST 2112 (if not used above)
 _____ HIST 1111 World History I
 _____ HIST1112 World History II
 _____ HIST 1121 Western Civ I
 _____ HIST1122 Western Civ II

Select one of the following:

- _____ PSYC 1102/SOCI 1101/ANTH 1102/ECON2100

Area F – Courses Related to the Program of Study (18 hours) ("C" or better)

- _____ MATH 2200 Calculus I (if not taken in Area A)
 _____ MATH 2210 Calculus II
 _____ MATH 2220 Calculus III
 _____ MATH 2450 Linear Algebra I
 _____ MATH 2500 Foundations of Mathematics
 _____ *Choose one if MATH 2200 is taken in Area A:*
 _____ MATH 2000/MATH 2300/MATH 2600
 _____ 1 hour each from Area A and D

Student Name _____
 . Id No _____
 S. Phone (w) _____ (h) _____
 S. alt. email _____
 Adviser _____
 A. phone _____
 A. email _____

Additional Requirements (3-4 hours)

Physical Education Requirement

- _____ Wellness (1 hour)
 _____ Additional Physical Education (2 hours)

Additional Requirements

- _____ Admission to Teacher Education

Regents Requirements – The requirements for US and Georgia History and Constitution can be satisfied by transfer credit of HIST 2111 OR 2112 and POLS 1101 from a University System of Georgia institution. If not satisfied, the student should work with their adviser concerning exemption exams or can complete the courses.

- _____ US Constitution _____ Georgia Constitution
 _____ US History _____ Georgia History

Program of Study: (60 hours) Grade of "C" or Better
(39 hours must be at the 3000-4000 level)

School Grade

Required Mathematics Courses (24-27 hrs)

- _____ MATH 2300 Discrete Mathematics
 _____ MATH 3000 Geometry
 _____ MATH 3300 Probability and Statistics
 _____ MATH 3500 Abstract Algebra I
 _____ MATH 3550 History of Mathematics
 _____ MATH 3700 Real Analysis I
 _____ Choose one of the following:
 _____ MATH 4500 Abstract Algebra II
 _____ MATH 4700 Real Analysis II
 _____ MATH 4900 Capstone Course

Mathematics Elective Courses (6-9 hours)

- _____ MATH 3100 Differential Equations I
 _____ MATH 4150 Complex Analysis
 _____ MATH 4500 Abstract Algebra II
 _____ MATH 4600 Adv Mathematical Modeling
 _____ MATH 4700 Real Analysis II

Required Education Courses (35 hours)

(Formal Admission to Teacher Education Required)

- _____ EDUC 2110 Exploring Critical & Contemporary Issues in Education*
 _____ EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts*
 _____ EDUC 2130 Exploring Learning and Teaching*
 _____ EDUC 3300 Teaching Exceptional Learners
 _____ EDUC 3350 Models of Teaching and Learning
 _____ MATH 3600 Math Contents Methods
 _____ EDUC 4060 Opening of School Experience: Mathematics
 _____ EDUC 4500 Assessment
 _____ EDUC 4550 Instructional Adaptation
 _____ EDUC 4800 Leadership Seminar
 _____ EDUC 4860 Student Teaching: Mathematics