B.S. Mathematics – Pure Math
2014/2015 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)

Select one from the following:
MUSC 1100/ARTS 1100/ENGL 2110/2100/FILM 1005
Select one from the following:
RELN 1100/GEOG 1101/2000 level foreign lang

Area D – Science, Math, Technology (11 hrs)

CHEM 1211K Principles of Chemistry I
CHEM 1212K Principles of Chemistry II
Select 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
HIST 1112 World History II
HIST 1121 Western Civ I
HIST 1122 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
Select one if MATH 2200 is taken in Area A:
MATH 2000/MATH 2300/MATH 2600

Mathematics Elective Courses (9 hours)

Any 3000/4000 level MATH courses with the exception of MATH 3008, 3111, 3311, 3600

Required Mathematics Courses (24 hours)

MATH 3100 Differential Equations I
MATH 3200 Probability and Statistics
MATH 3500 Abstract Algebra I
MATH 3700 Real Analysis I
Select one of the following:
MATH 4150 Complex Analysis
MATH 4250 Topology
Select one of the following:
MATH 4700 Real Analysis II
MATH 4500 Abstract Algebra II
Select 6 hours from the following:
Additional 4000 level MATH course
MATH 4900 Capstone Course
STEC 4500 (May be repeated)

Other Required Courses (8–12 hours)

PHYS 2211K Principles of Physics I
PHYS 2212K Principles of Physics II
ITEC 2120 Introduction to Programming
(if not taken in Area D)

Additional Electives (15–19 hours)

At least 4 hrs must be at 3000-4000 level

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.

Other Electives

Additional Requirements (3)

Physical Education Requirement

Choices for Life (1 hour)
Additional Physical Education (2 hours)