B.S. Mathematics – Pure Math
2016-2017 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 2111, 2112, 2121, 2122, 2131, 2132/FILM 1005

Select one from the following:
RELN 1100/EOG 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/ECON 2100

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

Additional Requirements (3)

Physical Education Requirement

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

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

Student Name ___________________________
Id No ________________________________
S. Phone (w) ___________________ (h)___
S. alt. email __________________________
Adviser ______________________________
A. phone ______________________________
A. email ______________________________

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 hours)

MATH 3100 Differential Equations I
MATH 3300 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)

Mathematics Elective Courses (9 hours)

Any 3000/4000 level MATH courses with the exception of MATH 3008, 3011, 3111, 3311 or 3600

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

Revised 04/2016