

**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/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

**Additional Requirements (3)**

**Physical Education Requirement**

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

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

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**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

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**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