

# Mathematics

## GENERAL EDUCATION STUDIES 64 Hours

### General Education: 14 hours

COM 1143 Fundamentals of Speech Communication

ENG 1113 Composition and Rhetoric I

ENG 1123 Composition and Rhetoric II

*3 hours from the following:*

ENG 2233 American Literature I

ENG 2273 Introduction to Literature

GES 1122 Strategies for Student Success

### Social/Behavioral Sciences: 15 hours

GOV 2213 National and State Government

GOV 2333 World Political Systems

HIS 1113 American History I

HIS 1123 American History II

PSY 2333 Psychology of Education

### Natural Science/Mathematics: 7 hours

BIO 1113 Biological Science

PHY 1113 Physical Science and PHY 1111 Lab

### Physical Education: 4 hours

PED 2232 Wellness and Lifestyle

*2 hours from activity courses without duplication: PED 1101-2291*

### General Biblical Studies: 24 Hours

BIB 1143 The Church in Mission

BIB 2213 Bible Study

CMN 2213 Foundations of Church Ministries

REL 1133 Authentic Christianity

REL 1153 New Testament Literature

REL 1163 Old Testament Literature

THE 2113 Introduction to Theology and Apologetics

THE 2333 Pentecostal Doctrine and History

The purpose of the Bachelor's program in Mathematics is to prepare undergraduate students for a career in business, education, or the advanced study of mathematics.

Upon completion of this program, students will have acquired mastery of the following key elements of mathematics: Calculus, Linear Algebra and Matrix Theory, Real Analysis, Statistics and Probability and Abstract Algebra.

## Mathematics *continued*

### MAJOR STUDIES 41 Hours

BUS 1123 Survey of Economics  
MTH 2211 Calculus I Lab  
MTH 2213 Calculus I  
MTH 2221 Calculus II Lab  
MTH 2223 Calculus II  
MTH 3313 Calculus III  
MTH 3323 Introduction to Proofs and Discrete Mathematics  
MTH 3333 Introduction to Linear Algebra  
MTH 3343 Linear Algebra  
MTH 3413 Statistics  
MTH 4113 Abstract Algebra I  
MTH 4123 Real Analysis I  
MTH 4133 Numerical Methods  
MTH 4153 Modern Geometry  
MTH 4163 Abstract Algebra II

### ELECTIVE STUDIES 15 Hours

Declare a minor from those available in the catalog, or choose 15 hours of electives including at least 6 hours upper level.

### TOTAL PROGRAM REQUIREMENTS 120 Hours

### Additional Program Stipulations

1. All students are to include one Bible, theology, or religion course each semester until degree requirements have been satisfied.
2. First-year students enrolled full-time are to include GES 1122 in their first semester program.
3. First-year students are to enroll in activity physical education courses each of their first two semesters at SAGU. Exceptions will be granted only with approval of the College Dean.