

B.S. in Mathematics (39 credits)

Division of Science

SAMPLE FOUR-YEAR DEGREE PLAN

The B.S. in Mathematics equips students to study the patterns and structures that serve as the foundational language for logic and the modern sciences. Graduates from the program pursue advanced study and/or diverse careers in data analytics, finance, and technology. Qualified Mathematics majors are eligible for the Enhanced LIFE Scholarship and the Enhanced Palmetto Fellows Scholarship.

Year 1 Fall (16 credits)	
MATH 2504 Calculus I	4
CPSC 1003 Introduction to Computer Programming I	3
ENGL 1003 Freshman Composition I	3
CPSC 1103 Introduction to Computers and Information Processing	3
SEMR 2323 Foundations for Success	3
Year 2 Fall (16-17 credits)	
MATH 3524 Calculus III	4
MATH 2203 Introduction to Statistics	3
ENGL 2103 Speech Communication	3
BIBL 1023 New Testament Survey	3
Free Elective or Concentration Course 1	3-4
Year 3 Fall (15-16 credits)	
MATH 4003 Linear Algebra	3
MATH 4403 Abstract Algebra	3
Core Course (Social Science)	3
Free Elective or Concentration Course 3	3-4
Free Elective	3
Year 4 Fall (15-16 credits)	
MATH 4423 Probability Theory	3
Free Elective or Concentration Course 5	3-4
Free Elective	3
Free Elective	3
Free Elective	3

Year 1 Spring (16 credits)	
MATH 2514 Calculus II	4
MATH 2153 Discrete Math	3
ENGL 1013 Freshman Composition II	3
BIBL 1013 Old Testament Survey	3
ASTH 2053 Music and Art Appreciation	3
Year 2 Spring (15-16 credits)	
MATH 3533 Differential Equations	3
MATH 3063 College Geometry	3
RELG 2403 Basic Christian Beliefs	3
Core Course (History)	3
Free Elective or Concentration Course 2	3-4
Year 3 Spring (16-17 credits)	
MATH 4553 Advanced Calculus I	3
MATH 4303 Historical, Philosophical, and Ethical Development of Mathematics	3
Core Course (Lab Science)	4
Free Elective or Concentration Course 4	3-4
Free Elective	3
Year 4 Spring (12 credits)	
MATH 4563 Advanced Calculus II	3
Free Elective	3
Free Elective	3
Free Elective	3

This sample plan represents one possible pathway through the major. Individual plans may vary, and some courses are not offered every year. An actual degree plan tailored to the needs of each student should be developed in consultation with a faculty advisor. Students may also complete an optional concentration in Applied Mathematics. To qualify for the STEM Enhancement of the LIFE or Palmetto Fellows Scholarship in Year 2 and beyond, students must complete at least 14 credits of math and science courses in Year 1.