

B.A. in Chemistry (52 credits)

Division of Science

SAMPLE FOUR-YEAR DEGREE PLAN

Chemistry, or the “central science,” is the study of everything around us, the changes these things undergo, and humankind’s interaction with the environment. This program, which follows the American Chemical Society’s curricular recommendations, is designed for students interested in a fundamental education in chemistry in preparation for careers in analytical instrumentation, agriculture, chemical manufacturing, electronics, food science, petroleum, or graduate study in dental, medical, pharmacy, or veterinary school. Qualified Chemistry majors are eligible for the Enhanced LIFE Scholarship and the Enhanced Palmetto Fellows Scholarship.

Year 1 Fall (15 credits)	
MATH 1064 Algebra and Trigonometry	4
CHEM 1114 General Chemistry I	4
SEMR 2021 Natural Science Cornerstone Seminar	1
SEMR 2323 Foundations for Success	3
ENGL 1003 Freshman Composition I	3
Year 2 Fall (14 credits)	
BIBL 1023 New Testament Survey	3
MATH 2504 Calculus I	4
CHEM 2504 Organic Chemistry I	4
ASTH 2053 Music and Art Appreciation	3
Year 3 Fall (15 credits)	
BIOL 3254 Biochemistry I	4
CHEM 2564 Inorganic Chemistry	4
PHYS 2144 Physics with Calculus I	4
RELG 2403 Basic Christian Beliefs	3
Year 4 Fall (14 credits)	
SEMR 4501 Natural Science Capstone Seminar	1
CHEM 3414 Analytical Chemistry	4
Free Elective	3
Free Elective	3
Free Elective	3

Year 1 Spring (14 credits)	
BIBL 1013 Old Testament Survey	3
CPSC 1103 Introduction to Computers and Information Processing	3
CHEM 1124 General Chemistry II	4
ENGL 1013 Freshman Composition II	3
SEMR 2051 Scientific Literacy	1
Year 2 Spring (17 credits)	
ENGL 2103 Speech Communication	3
MATH 2514 Calculus II	4
CHEM 2514 Organic Chemistry II	4
Core Course (Social Sciences)	3
Core Course (History)	3
Year 3 Spring (16 credits)	
CPSC 1003 Introduction to Computer Programming I	3
PHYS 2154 Physics with Calculus II	4
CHEM 4900 Independent Study	1-3
MATH 2203 Introduction to Statistics	3
Free Elective	3
Year 4 Spring (16 credits)	
Major Elective	4
Free Elective	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. 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. Students should plan to take at least one lab course every semester to remain on track for graduation.