PLAN FOR SUCCESS

College of Science

Department of Chemistry and Biochemistry

BS Biological Chemistry

2025-2026

1st Year

Fall Semester

BIOL 1441 Cell and Molecular Biology
CHEM 1101 Success in Chemistry
CHEM 1181 General Chemistry I Lab
CHEM 1341 General Chemistry I
MATH 1426 Calculus I

Spring Semester

MATH 3316
CHEM 1182 General Chemistry II Lab
CHEM 1342 General Chemistry II
ENGL 1301 Rhetoric and Composition I
POLS 2311 Government of the US

Summer (Optional)

PHYS 1441 General College Physics I
PHYS 1442 General College Physics II

HOURS	34

2nd Year

Fall Semester

BIOL 1442 Ecology and Evolution
CHEM 2283 Synthesis and Analysis Lab I
CHEM 2321 Organic Chemistry I
CHEM 2335 Quantitative Chemistry

Spring Semester

BIOL 2444 General Microbiology
CHEM 2284 Synthesis and Analysis Lab II
CHEM 2322 Organic Chemistry II
ENGL 1302 Rhetoric and Composition II
Elective (3)

Summer (Optional)

HIST 1331 Tech. & Scie. in American Society I
HIST 1332 Tech. & Scie. in American Society II

HOURS	33

3rd Year

Fall Semester

CHEM 4311 Biochemistry I
CHEM 4318 Physical Inorganic Chemistry
POLS 2312 State and Local Government
Biology Advanced Elective (3-4)

Spring Semester

CHEM 3175 Biophysical Chemistry Lab
CHEM 3315 Intro to Biophysical Chemistry
CHEM 4312 Biochemistry II
Language/Philosophy/Culture Core (3)
Advanced Elective (2)
Elective (1)

Summer (Optional)

HOURS	25

4th Year

Fall Semester

CHEM 4313 Metabolism and Regulation
CHEM 4461 Instrumental Analysis
Elective (1)
Biology Advanced Elective (3-4)
Creative Arts Core (3)

Spring Semester

CHEM 4242 Biochemistry Lab
CHEM 4314 Enzymology
Social/Behavioral Science Core (3)
Elective (3)
Elective (3)

SENIOR HOURS	28
TOTAL HOURS	120