PLAN FOR SUCCESS

College of Science

Department of Chemistry and Biochemistry

BS Biochemistry

2025-2026

1st Year

Fall Semester
CHEM 1101 Success in Chemistry
CHEM 1181 General Chemistry I Lab
CHEM 1341 General Chemistry I
ENGL 1301 Rhetoric and Composition I
MATH 1426 Calculus I

Spring Semester
CHEM 1182 General Chemistry II Lab
CHEM 1342 General Chemistry II
ENGL 1302 Rhetoric and Composition II
MATH 2425 Calculus II
MATH 3316 Statistical Inference

Summer (Optional)
PHYS 1443 General Technical Physics I
PHYS 1444 General Technical Physics II

HOURS	34

2nd Year

Fall Semester
CHEM 2283 Synthesis and Analysis Lab I
CHEM 2321 Organic Chemistry I
CHEM 2335 Quantitative Chemistry
MATH 2326 Calculus III
POLS 2311 Government of the US

Spring Semester
BIOL 1441 Cell and Molecular Biology
CHEM 2284 Synthesis and Analysis Lab II
CHEM 2322 Organic Chemistry II
MATH 3319 Diff. Equations & Linear Algebra
POLS 2312 State and Local Government

Summer (Optional)
HIST 1331 Tech. & Scie. in American Society I
HIST 1332 Tech. & Scie. in American Society II

HOURS	35

3rd Year

Fall Semester
BIOL 2444 General Microbiology
CHEM 3181 Physical Chemistry I Lab
CHEM 3321 Physical Chemistry I
CHEM 4318 Physical Inorganic Chemistry
Creative Arts Core (3)

Spring Semester
BIOL 3315 Genetics
CHEM 3182 Physical Chemistry II Lab
CHEM 3322 Physical Chemistry II
CHEM 4311 Biochemistry I
Language/Philosophy/Culture Core (3)

Summer (Optional)

HOURS	27

4th Year

Fall Semester
CHEM 4312 Biochemistry II
CHEM 4313 Metabolism and Regulation
CHEM 4346 Advanced Synthetic Methods
Social/Behavioral Science Core (3)

Spring Semester
CHEM 4242 Biochemistry Lab
CHEM 4314 Enzymology
CHEM 4461 Instrumental Analysis
Elective (3)

SENIOR HOURS	24
TOTAL HOURS	120