PLAN FOR SUCCESS

College of Science

Chemistry and Biochemistry

Chemistry BS to MS Fast Track (Thesis)

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

CHEM 2284 Synthesis and Analysis Lab II
CHEM 2322 Organic Chemistry II
CHEM 3317 Descriptive Inorganic Chemistry
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	34

3rd Year

Fall Semester

CHEM 3181 Physical Chemistry I Lab
CHEM 3321 Physical Chemistry I
CHEM 5341 Inorganic Chemistry
PHYS 3313 Introduction to Modern Physics
Creative Arts Core (3)

Spring Semester

CHEM 3182 Physical Chemistry II Lab
CHEM 3322 Physical Chemistry II
CHEM 4311 Biochemistry I
BIOL/GEOL Elective (3-4)
Language/Philosophy/Culture Core (3)

Summer (Optional)

HOURS	26

4th Year

Fall Semester

CHEM 4101 Seminar in Chemistry
CHEM 4346 Advanced Synthetic Methods
CHEM 4380 Undergraduate Research
CHEM 5331 Biochemistry
Social/Behavioral Science Core (3)

Spring Semester

CHEM 5421 Instrumental Analysis
CHEM 4380 Undergraduate Research
Elective (3)
BIOL/GEOL Elective (3-4)

SENIOR HOURS	26
TOTAL HOURS	