

B.S. Degree Major Requirements: 55-71 units

Professional Track Required Lower-Division Courses: 30 units

CHM 005, 006 General Chemistry I, II (4,4)
MA 009, 010 Elementary Calculus I, II (4,4)
MA 019 Multivariable Calculus (4)
PHY 021, 023 General Physics I, II (4,4)
PHY 022, 024 Introductory Physics Laboratory I, II (1,1)

Recommended Lower-Division Courses:

BIO 005 General Biology I (4)
CS 010 Design and Implementation of Solutions to Computational Problems (4)
PHY 040 Differential Equations (4)
GER 001, 002 Elementary German I, II (4,4)

Required Upper-Division Courses: 40-41 units

CHM 101, 102 Organic Chemistry I, II (4,4)
CHM 104 Advanced Inorganic Chemistry (4)
CHM 113 Biochemistry (4)
CHM 121 Introductory Analytical Chemistry (4)
CHM 122 Advanced Methods in Chemistry (3)
CHM 130, 131 Physical Chemistry I, II (3,3)
CHM 132, 133 Physical Chemistry Laboratory I, II (1,1)
CHM 195 Seminar (1)

One of the following (4)
CHM 198 Chemical Research (4)
CHM 199 Major Honors (4)

One of the following (4-5)
PHY 142/143 Circuits and Electronics/Electronics Laboratory (4,1)
CHM 115 Advanced Biochemistry (4)
CHM 150 Special Topics (4)
CHM 160 Advanced Organic Chemistry (4)

All graduating majors in the professional track are required to take the Graduate Record Exam in their senior year.