

Alma College – Department Of Chemistry

Common Pathway to a Chemistry Major with Premed Emphasis*

Fall

Winter

First Year

General Chemistry – CHM 115
Calculus I – MTH 121 (or MTH 112)
Introductory Biology - BIO 121

Organic Chemistry I – CHM 223
Calculus II – MTH 122 (or MTH 121)

Second Year

Organic Chemistry II – CHM 224
Physics – PHY 121 or 112
Human Physiology - IPH 227
MTH (complete Calculus, or Stats)

Inorganic Chemistry – CHM 230
Physics – PHY 122 or 113
Cell Biology - BIO 221
MTH (complete Calculus, or Stats)

Third Year

Biochemistry – BCM 321
PSY/SOC
Upper Level BIO
Electives

Instrumental Analysis – CHM 320
Chemical Thermodynamics – CHM 331
Upper Level BIO
PSY/SOC
Electives

Fourth Year

Quantum Chemistry – CHM 332
Electives

Senior Seminar - CHM 450
Electives

Electives

Essentials of Medicinal Chemistry – CHM 310
Environmental Chemistry – CHM 311
Flavor and Fragrance Chemistry – CHM 312
Inorganic Structure and Reactivity – CHM 313
Bioinorganic Chemistry – CHM 314
Polymer Chemistry - CHM 380
Advanced Organic Chemistry – CHM 411 (Spring Term Offering, 'S' Course)
Independent Research – CHM 299, 399, 499

*This schedule is intended to give a representative idea of a plan of study. The actual timing of this course work would depend on each individual's plan and needs. For more information, see <http://www.alma.edu/chemistry>.