INTRODUCTORY REQUIREMENTS

Calculus: MATH 11A (FWS) ___ + 11B (FWS) ___ + 22 (WS) ___  
OR MATH 19A (FWS) ___ + 19B (FWS) ___ + 22 (WS) ___

General Chemistry: CHEM 1A (FWS) ___ + 1B/M (FWS) ___ + 1C/N (FWS) ___

Organic Chemistry: CHEM 108A/L (FW) ___ + 108B/M (WS) ___ + CHEM 110/L (S) ___

Physics: PHYS 6A/L (FW) ___ + 6B/M (WS) ___ + 6C/N (FS) ___  
OR PHYS 5A/L (F) ___ + 5B/M (W) ___ + 5C/N (S) ___

ADVANCED REQUIREMENTS

Chemistry: CHEM 151A/L Chemistry of Metals Lab (S) ___  
CHEM 163A Quantum Mechanics & Basic Spectroscopy (F) ___  
CHEM 163B Thermodynamics & Kinetic Theory (W) ___  
CHEM 164 Physical Chemistry Lab (W) ___

Electives: ONE from the following...
    CHEM 103 Biochemistry (FS) ___  
    CHEM 143 Organic Chemical Structure & Reactions (F) ___  
    CHEM 151B Chemistry of the Main Group Elements (W) ___  
    CHEM 156C Advanced Topics in Inorganic Chemistry (F) ___  
    CHEM 163C Kinetics, Statistical Mechanics, Spectroscopy (S) ___  
    CHEM 169 Advanced Bioorganic Chemistry (S) ___  
    BIOC 100A Biochemistry (F) ___  
    BIOC 100B Biochemistry (W) ___  
    BIOC 100C Biochemistry (S) ___  
    METX 101 Sources & Fates of pollutants (F) ___  
    METX 102 Cellular & Organismal Toxicology (F) ___  
    OCEA 120 Aquatic Chemistry: Principles and Applications (W) ___  
    OCEA 220 Chemical Oceanography (W) ___  
    PHYS 116A Mathematical Methods in Physics (W) ___  
    PHYS 116B Mathematical Methods in Physics (S) ___  
    PHYS 180 Biophysics (S) ___

Advanced Laboratory: ONE from the following...
    CHEM 146A Advanced Laboratory in Organic Chemistry (F) ___  
    CHEM 146B Advanced Laboratory in Inorganic Chemistry Lab (S) ___  
    CHEM 146C Advanced Laboratory in Physical Chemistry Lab (S) ___

Note: Students conducting senior thesis research are required to choose an advanced lab outside of their area of research.

Disciplinary Communication: CHEM 151L and one of CHEM 146A, B, or C

COMPREHENSIVE REQUIREMENT: Senior Thesis: CHEM 195A ___ + 195B ___ + 195C ___  
OR Senior Essay: CHEM 199 (FWS) ___