INTRODUCTORY REQUIREMENTS

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

ONE of the following

Advanced Mathematics: MATH 21 Linear Algebra (FWS) ___
   MATH 24 Ordinary Differential Equations (S) ___
   AMS 10 Mathematical Methods for Engineers (FS ) ___

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

Biology: BIOL 20A (FWS) ___ + BIOE 20B (FWS) ___

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

Organic Chemistry: CHEM 112A/L(F) ___ + CHEM 112B/M(W) ___ + CHEM 112C/N(S) ___
   OR CHEM 108A/L(FW) ___ + CHEM 108B/M(WS) ___ + CHEM 143(F) ___

ADVANCED REQUIREMENTS 8 total plus comprehensive requirement

Inorganic Chemistry: CHEM 151A/L Chemistry of Metals/Lab (S) ___

Physical Chemistry: CHEM 163A Quantum Mechanics (F) ___
   CHEM 163B Thermodynamics and Kinetic Theory (W ) ___
   CHEM 163C Kinetic, Statistical Mechanics, and Spectroscopy (S) ___

Biochemistry: BIOC 100A* ___ + BIOC 100B ___ + BIOC 100C ___ + BIOC 110 ___
   * Biol 100K not required for this major. Contact Chemistry Advisor for permission code to enroll in BIOC 100A only.

Disciplinary Communication: CHEM 151L and BIOC 110
   DC course must be taken at UCSC

COMPREHENSIVE REQUIREMENT

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

NOTE: Be sure to check prerequisites and timing of courses taught outside of Chemistry Department.