CHEMISTRY B.S. with Biochemistry concentration

Name: ____________________________ Date: ____________________________
ID#: ____________________________

(Quarter offered: F=Fall, W=Winter, S=Spring, *=Not offered this academic year)

INTRODUCTORY REQUIREMENTS

Calculus: MATH 11A (FWS) ___ + 11B (FWS) ___ + 22 (WS) ___
OR MATH 19A (FWS) ___ + 19B (FWS) ___ + 22 (WS) ___
OR AMS 15A (*) ___ + 15B (*) ___ + MATH 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 I (FS) ___

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

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

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

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

ADVANCED REQUIREMENTS

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

Physical Chemistry: CHEM 163A Quantum Mechanics & Basic Spectroscopy (F) ___
CHEM 163B Chemical Thermodynamics (W) ___
CHEM 163C Kinetic Theory & Reaction Kinetics, Statistical Mechanics, Spectroscopic Apps (S) ___

Biochemistry: BIOC 100A* (F) ___ + BIOC 100B (W) ___ + BIOC 100C (S) ___ + BIOC 110L (S) ___

* 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 110L. The DC requirement MUST be taken at UCSC.

Comprehensive Requirement: Senior Thesis: CHEM 195A (IS) ___ + 195B (IS) ___ + 195C (IS) ___
OR
Senior Essay: CHEM 199 (IS) ___