CHEMISTRY B.S. with Biochemistry concentration 2012/13

Name: ____________________________  Date: ____________________

(Quarter offered: F=Fall, W=Winter, S=Spring)

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 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 (F) ___
- CHEM 163B Thermodynamics and Kinetic Theory (W ) ___
- CHEM 163C Kinetic, Statistical Mechanics, and Spectroscopy (S) ___

Biochemistry:
- BIOC 100A* ___ + BIOC 100B ___ + BIOC 100C ___ + BIOC 110L ___

* 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

Note:  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.