BIOCHEMISTRY AND MOLECULAR BIOLOGY B.S. 2014-15

Date: ___________________________  ID#: ___________________________

Name: ___________________________

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

NOTE: All courses for the major MUST be taken for a letter grade.

INTRODUCTORY REQUIREMENTS

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

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

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

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

NOTE: To declare this major, CHEM 1B, CHEM 1C, BIOL 20A, CHEM 108A, and MATH 11A or 19A must be completed with a cumulative GPA of 2.50 or higher.

*Students who fail more than one qualifying course are not eligible to declare this major.

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

Statistics: AMS 5 (FWS) ___ OR 7/L (FWS) ___

ADVANCED REQUIREMENTS

Biochemistry: BIOC 100A (F) ___ + 100B (W) ___ + 100C (S) ___ + 101L (WS) ___

Genetics: BIOL 105 (FWS) ___

Cell Biology: BIOL 110 (FS) ___

Eukaryotic Molecular Biology: BIOL 115 (W) ___

Physical Chemistry: CHEM 163A (F) ___
                   CHEM 163B (W) ___

Laboratory: ONE from the following...
            BIOC 110L Advanced Biochemistry Lab (F) ___
            BIOL 100L Advanced Biochemistry Lab (FWS) ___
            BIOL 105L Eukaryotic Genetics Lab (WS) ___
            BIOL 105M Microbial Genetics Lab (*) ___
            BIOL 109L Yeast Molecular Genetics Lab (*) ___
            BIOL 110L Cell Biology Lab (*) ___
            BIOL 115L Eukaryotic Molecular Biology Lab (FS) ___
            BIOL 121L Environmental Phage Biology Lab (*) ___
            BIOL 186L Undergraduate Research in MCD Biology (FWS) ___
            BIOL 187L Molecular Biotechnology Lab (*) ___
            BME 122 Environmental Virus Bioinformatics (*) ___
            METX 119L Microbiology Lab (FWS) ___

DISCIPLINARY COMMUNICATION REQUIREMENT
Satisfied by successful completion of the laboratory requirement.

NOTE: This requirement MUST be completed at UCSC

COMPREHENSIVE REQUIREMENT
Satisfied by successful completion of the laboratory requirement.