BIOCHEMISTRY AND MOLECULAR BIOLOGY B.S.  

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

Note: All courses on check list must be taken for a letter grade

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) ___

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

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) ___

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

ADVANCED REQUIREMENTS

Biochemistry: BIOC 100A/K (F) ___ + 100B (W) ___ + 100C (S) ___

Genetics: BIOL 105 (FWS) ___

Cell Biology: BIOL 110 (FS) ___

Eukaryotic Molecular Biology: BIOL 115 (WS) ___

Physical Chemistry: CHEM 163A (F) ___

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

Disciplinary Communication: Successful completion of a laboratory elective from the list above.

NOTE: The DC course requirement MUST be taken at UCSC.

COMPREHENSIVE REQUIREMENT

ONE of the laboratories listed above.

Students are also encouraged to complete one of the following:
* Senior Thesis
* Senior Essay
* Take either the GRE or MCAT exam