

Name: _____

Date: _____

ID#: _____

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

*NOTE: ALL courses on checklist MUST be taken for a letter grade***INTRODUCTORY REQUIREMENTS****Calculus:** MATH 11A (FWS) ___ + 11B (FWS) ___
OR MATH 19A (FWS) ___ + 19B (FWS) ___**General Chemistry:** CHEM 1A (FWS) ___ 1B (FWS) ___ + 1C/N (FWS) ___**Biology:** BIOL 20A (FWS) ___ + BIOE 20B (FWS) ___ + BIOE 20C (FWS) ___**Organic Chemistry:** CHEM 108A/L (FW) ___ + 108B (WS) ___**Statistics:** AMS 5 (FWS) ___ **OR** 7/L (FWS) ___**Physics:** PHYS 6A/L (FWS) ___ + 6B (WS) ___ **OR** PHYS 6A/L (FWS) ___ + 6C (FS) ___**ADVANCED REQUIREMENTS**

(9 courses total; including 2 labs: _____)

Biochemistry & Molecular Biology: BIOL 100 (FW) ___ + BIOL 101 (WS) ___ + BIOL 101L (WS) ___**OR**

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

Genetics: BIOL 105 (FWS) ___**Cell Biology:** BIOL 110 (FS) ___**Ecology:** BIOE 107 (WS) ___**Evolution:** BIOE 109 (FWS) ___**Electives:** Students must complete three additional upper-division (5-7 credits) biology electives chosen from Biological Sciences-EEB courses (BIOE) or Biological Sciences-MCDB courses (BIOL) or specific BIOC, BME, METX courses. See list of course options on reverse:

DISCIPLINARY COMMUNICATION REQUIREMENT

Satisfied by successful completion of BIOE 107, or 108 and 109, or 159A

NOTE: This requirement MUST be completed at UCSC

COMPREHENSIVE REQUIREMENT(Senior Exit Requirement): _____

For more information on satisfying this requirement, visit:

<http://undergrad.pbsci.ucsc.edu/biology/completing-the-major/senior-exit.html>**Qualification Policy:**

Complete CHEM 1A, CHEM 1B, CHEM 1C, BIOL 20A, BIOE 20B with grades of C or better. No more than one failing grade in the qual courses allowed.

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BIOE 108 Marine Ecology (W) ____
BIOE 112/L Ornithology (F15) ____
BIOE 114/L Herpetology (S16) ____
BIOE 117/L Systematic Botany of Flowering Plants (W) ____
BIOE 120/L Marine Botany (S) ____
BIOE 122/L Invertebrates (W) ____
BIOE 124/L Mammalogy (F) ____
BIOE 127/L Ichthyology (F15) ____
BIOE 129/L Marine Mammals (lab optional) (S) ____
BIOE 131/L Animal Physiology (lab optional) (W) ____
BIOE 133/L Exercise Physiology (S16) ____
BIOE 134/L Comparative Vertebrate Anatomy (F) ____
BIOE 135/L Plant Physiology (W) ____
BIOE 137/L Molecular Ecology (W) ____
BIOE 140 Behavioral Ecology (F) ____
BIOE 145 Plant Ecology (F) ____
BIOE 147 Community Ecology (S) ____
BIOE 148 Quantitative Ecology (F) ____
BIOE 149 Disease Ecology (-) ____
BIOE 155 Freshwater Ecology (F) ____
BIOE 161 Kelp Forest Ecology (F15) ____
BIOE 163/L Ecology of Reefs, Mangroves & Seagrasses (-) ____
BIOE 165 Marine Conservation Biology (F)____
BIOE 172/L Population Genetics (F16) ____
BIOL 111A Immunology I (W) ____
BIOL 113 Mammalian Endocrinology (-) ____
BIOL 114 Cancer Cell Biology (S) ____
BIOL 115 Eukaryotic Molecular Biology (W) ____
BIOL 120 Developmental Biology (W) ____
BIOL 125 Intro Neuroscience (FW) ____
BIOC 100C Biochemistry (S)____
BIOL 130 Human Physiology (FW) ____
BME 130 Genomes (F) ____
BME 178 Stem Cell Biology (W) ____
METX 119 Microbiology (FS) ____