

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) \_\_\_ + 6C (FS) \_\_\_**ADVANCED REQUIREMENTS** (9 total including BIOL 101L and an additional lab)**Biochemistry & Molecular Biology:** BIOL 100 (FW) \_\_\_ + BIOL 101 (WS) \_\_\_ + BIOL 101L/100K (FWS) \_\_\_**Genetics:** BIOL 105 (FWS) \_\_\_**Cell Biology:** BIOL 110 (FS) \_\_\_**Intro Neuroscience:** BIOL 125 (W) \_\_\_**Adv Neuroscience** BIOL 126 (S) \_\_\_**Electives:** TWO from the following...

BIOL 111 Immunology (F) \_\_\_  
 BIOL 111A Immunology I (-) \_\_\_  
 BIOL 111B Immunology II (-) \_\_\_  
 BIOL 113 Mammalian Endocrinology (S) \_\_\_  
 BIOL 115 Eukaryotic Molecular Biology (W) \_\_\_  
 BIOL 120 Developmental Biology (WS) \_\_\_  
 BIOL 127 Neurodegenerative Disease (-) \_\_\_  
 BIOL 130/L Human Physiology (FW) (lab optional) \_\_\_  
 BIOL 140 Biophysics (S) \_\_\_  
 BIOL 178 Stem Cell Biology (W) \_\_\_  
 BIOL 178L Protocols in Stem Cell Biology (-) \_\_\_  
 BIOL 179 Biotechnology & Drug Development (W) \_\_\_  
 BIOL 180/L Programming for Biologists/Lab (S) \_\_\_  
 BIOL 181 Computational Biology Tools (FW) \_\_\_  
 BIOL 182 Genomes (FS) \_\_\_  
 BIOE 131/L Animal Physiology (lab optional) (W) \_\_\_  
 BIOE 140 Behavioral Ecology (F) \_\_\_  
 PSYC 121 Preception (^) \_\_\_  
 PSYC 123 Cognitive Neuroscience (^) \_\_\_

**Laboratory:** ONE from the following...

BIOL 100L Advanced Biochemistry Lab (FWS) \_\_\_  
 BIOL 105L Eukaryotic Genetics Lab (FWS) \_\_\_  
 BIOL 109L Yeast Molecular Genetics Lab (F) \_\_\_  
 BIOL 110L Cell Biology Lab (-) \_\_\_  
 BIOL 115L Eukaryotic Molecular Biology Lab (FWS) \_\_\_  
 BIOL 120L Development Lab (W) \_\_\_  
 BIOL 121L Environmental Phage Biology Lab (-) \_\_\_  
 BIOL 186L Undergraduate Research in MCD (FWS) \_\_\_  
 BIOL 187L Molecular Biotechnology Lab (-) \_\_\_  
 BIOE 183L/W Undergrad Research in EEB/Writing (FWS) \_\_\_  
 BIOE 141L Behavioral Ecology Field Course (W) \_\_\_

**Qualification Policy:**

Complete CHEM 1B, CHEM 1C, BIOL 20A, and BIOE 20B with grades of C or better and cumulative GPA of 2.30 or higher. No more than one failing grade in the qual courses allowed.

(^)=check with course-sponsoring department for quarter offered

**DISCIPLINARY COMMUNICATION REQUIREMENT**

Satisfied by successful completion of the lab requirement.

NOTE: This requirement must be completed at UCSC.

**Comprehensive Requirement (Senior Exit Requirement):** \_\_\_\_\_

Satisfied by successful completion of the lab requirement.

For more information about this requirement, visit:

<http://undergrad.pbsci.ucsc.edu/mcdb/completing-the-major/senior-exit.html>