NEUROSCIENCE B.S. 2014-15

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 Undergraduate 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.

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