NEUROSCIENCE B.S.  2016-17

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

LOWER DIVISION 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 8A/L (FW) ___ + 8B (WS) ___

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

Physics: PHYS 6A/L (FWS) ___ + 6C (FS) ___ OR PHYS 7A/L (F/-) ___ + 7B (W) ___

UPPER DIVISION REQUIREMENTS (9 total including BIOL 101L and an additional lab)

Biochemistry: BIOL 100 (FW) ___

Molecular Biology/Lab BIOL 101/L (WS) ___

Genetics: BIOL 105 (FWS) ___

Cell Biology: BIOL 110 (FS) ___

Intro Neuroscience: BIOL 125 (F) ___

Adv Neural Development BIOL 126 (WS) ___

Electives: TWO from the following...

Only ONE elective can be satisfied with a 3-credit elective
BIOL 111A Immunology I (W) ___
BIOL 111B Immunology II (S) ___
BIOL 112 Virology (3 credits) (-) ___
BIOL 114 Cancer Cell Biology (S) ___
BIOL 115 Eukaryotic Molecular Biology (S) ___
BIOL 116 Advanced Topics in Cell Biology (3 credits) (S) ___
BIOL 117 Global Health & Neglected Diseases (3 credits) (W) ___
BIOL 120 Developmental Biology (W) ___
BIOL 127 Neurodegenerative Disease (S) ___
BIOL 128 Developmental Neurobiology (W) ___
BIOL 130/L Human Physiology (FW) (lab optional) ___
BIOL 178L Protocols in Stem Cell Biology (-) ___
BIOE 131/L Animal Physiology (lab optional) (W) ___
BIOE 140 Behavioral Ecology (F) ___
BME 110 Computational Biology Tools (FW) ___
BME 130 Genomes (F) ___
BME 155 Biotechnology & Drug Development (W) ___
BME 160/L Research Programming in the Life Sciences/Lab (FS) ___
BME 178 Stem Cell Biology (W) ___
PHYS 180 Biophysics (S) ___
PSYC 121 Perception (FW) ___
PSYC 123 Cognitive Neuroscience (S) ___

Laboratory: ONE from the following...

BIOL 100L Biochemistry Lab (F) ___
BIOL 105L Eukaryotic Genetics Lab (FWS) ___
BIOL 109L Yeast Molecular Genetics Lab (FWS) ___
BIOL 110L Cell Biology Lab (-) ___
BIOL 115L Eukaryotic Molecular Biology Lab (FWS) ___
BIOL 121L Environmental Phage Biology Lab (FS) ___
BIOL 121L Environmental Research in MCD (FWS) ___
BIOL 141L Behavioral Field Course (W17)

Qualification Policy:
Complete CHEM 1A, CHEM 1B, CHEM 1C, BIOL 20A, and BIOE 20B with grades of C or better.
No more than one non-passing grade in the qual courses is accepted.

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.