### NEUROSCIENCE B.S. 2015-16

| 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:
- BIOL 100 (FW) ___

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

#### Genetics:
- BIOL 105 (FWS) ___

#### Cell Biology:
- BIOL 110 (FS) ___

#### Intro Neuroscience:
- BIOL 125 (FW) ___

#### Adv Neural Development
- BIOL 126 (S) ___

**Electives:** TWO from the following...

Only ONE elective can be satisfied with a 3-unit elective

- BIOL 111 Immunology I (-) ___
- BIOL 111A Immunology I (W) ___
- BIOL 111B Immunology II (S) ___
- BIOL 113 Mammalian Endocrinology (-) ___
- BIOL 114 Cancer Cell Biology (S) ___
- BIOL 115 Eukaryotic Molecular Biology (W) ___
- BIOL 116 Advanced Topics in Cell Biology (3 units)(S) ___
- BIOL 117 Global Health & Neglected Diseases (3 units)(W) ___
- BIOL 118 Biology of Disease (-) ___
- 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 Preception (*) ___
- PSYC 123 Behavioral Neuroscience (*) ___

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

- BIOL 100L Biochemistry Lab (F) ___
- BIOL 105L Eukaryotic Genetics Lab (FWS) ___
- BIOL 109L Yeukaryotic Molecular Genetics Lab (FS) ___
- 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) ___
- BIOE 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 then 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.

For more information about this requirement, visit:
http://undergrad.pbsci.ucsc.edu/mcdb/completing-the-major/senior-exit.html