NEUROSCIENCE B.S.  
2018-2019

Name: ________________________________ Date: ________________________________

ID#: ____________________________________________________________

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

NOTE: ALL courses on checklist MUST be take for a letter grade of C or better

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) ___ +BIOL 20L (FWS) ___

有机化学: CHEM 8A/L (FW) ___ + 8B (WS) ___

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

Physics: PHYS 6A/L (FWS) ___ + 6C (FS) ___

Note: PHYS 7A/B and 6L may not satisfy prerequisites for admission to all medical schools.
Please check the specific admission requirements for each medical school of interest.

UPPER DIVISION REQUIREMENTS

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

OR BIOL 100A (F) ___ + BIOL 100B (W) ___ + BIOL 100C* (S) ___

Molecular Lab: BIOL 101L (FW) ___ OR BIOL 101L (FW) ___

Students who complete BIOL 100ABC + BIOL 101L or 102L have met the biochemistry & molecular biology/lab requirements.

*BIOL 100C may be used to satisfy one upper division elective.

Genetics: BIOL 105 (FWS) ___

Cell Biology: BIOL 110 (FS) ___

Neuroscience: BIOL 125 (FS) ___

Advanced Neuroscience: BIOL 126 (W) ___

Electives: TWO from the following...

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

BIOL 131/L Animal Physiology/Lab (W) ___

BIOL 140 Behavioral Ecology (F) ___

BIOL 111A Immunology I (W) ___

BIOL 111B Immunology II (-) ___

BIOL 114 Cancer Cell Biology (-) ___

BIOL 115 Eukaryotic Molecular Biology (S) ___

BIOL 116 Advanced Topics in Cell Biology (3 units) (S) ___

BIOL 117 Global Health & Neglected Diseases (3 units(W) ___

BIOL 120 Developmental Biology (W) ___

BIOL 127 Mechanisms of Neur degenerative Disease (S) ___

BIOL 128 Developmental Neurobiology (W) ___

BIOL 130 Human Physiology (FW) ___

BIOL 178L Protocols in Stem Cell Biology (-) ___

BIOL 180C Biochemistry* (S) ___

BME 110 Computational Biology Tools (FW) ___

BME 130 Genomes (F) ___

BME 155 Biotechnology & Drug Development (-) ___

BME 160/L Research Programming for Biologists & Biochemists/lab (WS) ___

BME 178 Stem Cell Biology (W) ___

PHYS 180 Biophysics (S) ___

PSYC 121 Perception (S) ___

PSYC 123 Behavioral Neuroscience (S) ___

DC Laboratory: ONE from the following...

BIOE 141L Behavioral Ecology Field Courses (W) ___

BIOE 100L Advanced Ecology Lab (+) ___

BIOE 103L Toxic RNA Lab II (FWS) ___

BIOE 105L Eukaryotic Genetics Lab (WS) ___

BIOE 109L Yeast Molecular Genetics Lab (FWS) ___

BIOE 115L Eukaryotic Molecular Biology Lab (FWS) ___

BIOE 120L Development Lab (S) ___

BIOE 121L Environmental Phage Biology Lab (FWS) ___

BIOE 186L Undergraduate Research in MCD (FWS) ___

Qualification Policy:
Complete CHEM 1A, CHEM 1B, CHEM 1C, BIOL 20A, BIOL 20L, and BIOE 20B with grades of C or better. No more than one non-passing grade in the qualification courses is accepted. All qualification courses must be completed by the 6th quarter deadline.

DISCIPLINARY COMMUNICATION REQUIREMENT (DC): Satisfied by successful completion of the DC lab requirement.
This requirement must be completed at UCSC.
Note: The Academic Advising Report may not reflect current DC requirements.

Comprehensive Requirement (Senior Exit Requirement): Satisfied by successful completion of the DC lab requirement.

*Course offerings are subject to change. Please refer to 18-19 curriculum plan for updates: