NEUROSCIENCE B.S.  2012/13

Name: ........................................ Date: ........................................

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

Note: All courses on check list must be taken for a letter grade

INTRODUCTORY REQUIREMENTS

Calculus:  MATH 11A (FWS) ___ + 11B (FWS) ___  
OR  MATH 19A (FWS) ___ + 19B (FWS) ___  OR  AMS 15A (W) ___ + AMS 15B (S) ___

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) ___

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

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

ADVANCED REQUIREMENTS  (9 total, including 2 labs)

Biochemistry:  BIOL 100/K (FS) ___

Genetics:  BIOL 105 (FWS) ___

Cell Biology:  BIOL 110 (FS) ___

Intro Neuroscience:  BIOL 125 (F) ___

Adv Neuroscience  BIOL 126 (W) ___

Electives:  Three from the following...

BIOL 111A Immunology I (W) ___
BIOL 111B Immunology II (S) ___
BIOL 113 Endocrinology (S) ___
BIOL 115 Eukaryotic Molecular Biology (WS) ___
BIOL 118 Biology of Disease (*) ___
BIOL 120 Development (W) ___
BIOL 127 Neurodegenerative Disease (S) ___
BIOL 130/L Human Physiology (lab optional) (FW) ___
BIOL 140 Biophysics (S) ___
BIOL 178 Stem Cell Biology (W) ___
BIOL 178L Protocols in Stem Cell Biology (W) ___
BIOL 179 Biotechnology and Drug Development (W) ___
BIOL 180/L Programming for Biologists (S) ___
BIOL 181 Computational Biology Tools (FW) ___
BIOL 182 Genomics (F) ___
BIOE 131/L Animal Physiology (lab optional) (W) ___
BIOE 140 Behavioral Ecology (F) ___
**PSYC 121 Perception ___
**PSYC 123 Behavioral Neuroscience ___

Laboratory:  One 5-unit lab from the following...

BIOL 100L Advanced Biochemistry Lab (WS) ___
BIOL 105L Eukaryotic Genetics Lab (FWS) ___
BIOL 110L Cell Biology Lab (*) ___
BIOL 115L Eukaryotic Molecular Lab (FWS) ___
BIOL 120L Development Lab (W13) ___
BIOL 121L Environmental Phage Biology Lab (W) ___
BIOL 186L Undergraduate Research in MCD (FWS) ___
BIOL 187L Biotechnology Lab (F) ___
BIOE 141L Behavioral Ecology Field Course (W13) ___
BME 122 Environmental Virus Bioinformatics (*) ___

** Check prerequisites and quarters classes are offered with sponsoring department

Disciplinary Communication:  Successful completion of a laboratory elective.  
(Note:  DC course must be taken at UCSC.)

COMPREHENSIVE REQUIREMENT  (Senior Exit Requirement) ____________________________

For more information see:  http://undergrad.pbsci.ucsc.edu/programs/mcdb/advising.html#exit