Checklist for Neuroscience Majors AY 17-18

**NOTE:** This is a tool to assist in determining major requirements - does not necessarily reflect all changes made in the past year. For the most up to date information please check the Bulletin.

Name ___________ Advisor ___________ Degree_____ Class _______ Date ____________

A. Core Courses*:

- Neuro NBIO 140b
- Quant BIOL51a, 107a, 135b; NBIO136b; NPSY137b; PSYC 51a, 148a, 210a; Q BIO 110a; NPHY 115a, ECON 83a or PHYS 105a

B. Electives (BS=7+ courses, BA = 6+ courses)

**Group 1 (at least 2)**

- BIOL 149b Molecular Pharmacology
- NBIO 45a Basis of Memory (not also NPSY 11)
- NBIO 123a Population Genetics/Genomic
- NBIO 136b Comp. Neuroscience
- NBIO 142b Sleep
- NBIO 143b Developmental Neurobiology
- NBIO 145b Neuroscience Systems
- NBIO 146a Neurobio of Human Disease
- NBIO 147a Neurogenetics
- NBIO 148b Clrr Mchnsms of Nrrl Excblty/Pltcst
- NBIO 150a Autism
- NBIO 157a Proj Lab NeuroBio and Behavior
- NBIO 161a Cell&Network Mech of Mem

**Group 2 (at least 2)**

- NPSY 11b ** Intr to Beh Neur (not also NBIO45)
- NPSY 12a Sensory Processes
- NPSY 16a Motor Control (NPSY 127a)
- NPSY 17a Hand and Brain
- NPSY 120b Man in Space
- NPSY 139a Memory and the Brain
- NPSY 141a Stress, Physiology & Health
- NPSY 154a Human Memory
- NPSY 174b Visual Cognition
- NPSY 182a Dev. Cog NS: Infancy thru Adolesc.
- NPSY 196b Adv. Topics in Cognition
- NPSY 197a Adv. Topics Behav Neurosci
- NPSY 199a Human Neuropsychology
- PHIL 123b*** Neuroethics
- PHIL 131a *** Philosophy of Mind
- PHIL 153a *** Neurophilosophy

**Group 3**

- BCHM 88A or 100A Intro to Biochemistry
- BCHM 101a Advanced Biochemistry
- BIOL 14a Genetics and Genomics
- BIOL 15b Cells and Organisms

C. Honors: 2 semesters count as 1 grp 3 elective)****

- NEURO 99A Senior Research
- NEURO 99b Senior Research
- NEURO 99e Senior Research

D. Science Breadth Electives

9 (BA) or 10 (BS) courses taken from CHEM, PHYS, MATH, or COSI

**Note:** level 10 or above if meet requirements of that major;

- BIOL 14a, 15b (if not used in grp3); BIOL 16A, BIOL 18a,b, EL 29b, Q BIO 120, BCHM 88a, Project Labs

99 a+b as 1 BSE lab(if not used as Grp 3)

**Note:** 18A is four credits and so counts as two BSE 2 credit Labs

**LAB REQUIREMENT (3 full semester courses)**

**ADDITIONAL COURSES (BS = 7; BA = 6)**
NOTES:

* No individual course can count towards more than one requirement within the Neuroscience major

** Only one of NPSY 11 and NBIO 45 can be taken for credit towards the major

*** Only one PHIL class can count as a Group 2 elective

**** A student who has completed two courses in both Groups 1 and 2 may petition to substitute NEUR 93A and NEUR 99A or Neur 99 a and b for a Group 3 elective or a BSE Lab

Candidates for Neur 99 must petition the program committee during the fall of their senior year and submit a thesis. Candidates for the Senior Honors Program must also orally defend a thesis.

Biol 14 a and 15 may count towards either Group 3 elective or BSE elective but not both.