**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; QBIO 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
- NBI 45a — Basis of Memory (not also NPSY 11)
- NBI 123a — Population Genetics/Genomic
- NBI 136b — Comp. Neuroscience
- NBI 142b — Sleep
- NBI 143b — Developmental Neurobiology
- NBI 145b — Neuroscience Systems
- NBI 146a — Neurobio of Human Disease
- NBI 147a — Neurogenetics
- NBI 148b — Cellular Neuroscience
- NBI 150a — Autism
- NBI 157a — Proj Lab NeuroBio and Behavior
- NBI 161a — Cell&Network Mech of Mem

#### Group 2 (at least 2)
- NPSY 11b ** — Intr to Beh Neur (not also NBI045)
- 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 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

#### 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
- 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, QBIO 120, BCHM 88a, Project Labs
- 99 a+b as 1 BSE lab(if not used as Grp 3)

*NOTE:* Advanced Placement exams may count for at most two science breadth electives for the neuroscience major.

### LAB REQUIREMENT (3 full semester courses)

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### ADDITIONAL COURSES (BS = 7; BA = 6)

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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 99a 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