

# Checklist for Neuroscience Majors

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

Name \_\_\_\_\_ Degree \_\_\_\_\_  
Advisor \_\_\_\_\_ Graduating Class \_\_\_\_\_

## A. Core Courses<sup>1</sup>

Neuro NBIO 140b  
Quantitative<sup>2</sup> BIOL51a, 107a; NBIO136b; PSYC 51a, 123a, 148a, 210a; MATH 40A; QBIO 110a; NPHY 115a, ECON 83a or PHYS 105a  
Course: \_\_\_\_\_

## B. Neuroscience Electives (Four minimum, three must be 100 level or higher; NEUR99a/b can substitute for one 100 level course; must be NBIO or NPSY level 10 or higher with noted exceptions<sup>^</sup>)

BIOL 149b	Molecular Pharmacology Comp.	NPSY 154a	Human Memory
NBIO 136b	Neuroscience	NPSY 170a	Decision Neuroscience
NBIO 142b	Circadian Rhythms Sleep	NPSY 180a	Social Neuroscience & Culture
NBIO 143b	Developmental Neurobiology	NPSY 182a	Dev. Cog NS: Infancy thru Adolesc.
NBIO 145b	Circuits and Systems	NPSY 196b	Adv. Topics in Cognition
NBIO 146a	Neurobio of Human Disease	NPSY 197a	Adv. Topics in Behavioral Neuro
NBIO 147a	Genetics of Behavior CellMech	NPSY 199a	Human Neuropsychology
NBIO 148b	Neur Excit & Plasticity	PHIL 123b <sup>3</sup>	Neuroethics
NPSY 11b	Intro to Behavioral Neuro	PHIL 131a <sup>3</sup>	Philosophy of Mind
NPSY 12a	Sensory Processes	NEUR 99a/b <sup>4</sup>	Senior Research
NPSY 16a	Motor Control	NEUR 199a/b <sup>4</sup>	BS/MS Senior Research
NPSY 17a	Hand and Brain		
NPSY 22b	Intro. To Cog. Neuro.	Other NBIO/ NPSY	
NPSY 28a	Learning and Memory		
NPSY 121b	Alzheimer's Disease		
NPSY 139a	Memory and the Brain		

## C. Additional Science Electives: up to four additional Neuroscience Elective courses as well as courses numbered 10 and above in biology, biochemistry, chemistry, computer science, engineering, mathematics, and physics.

BA at least 32 credits (equivalent to 8 full courses) BS at least 40 credits  
(equivalent to 10 full courses)

Lab Requirement (12 total credits)  
each line = 2 credits; 4 credit labs count twice

1 \_\_\_\_\_  
2 \_\_\_\_\_  
3 \_\_\_\_\_  
4 \_\_\_\_\_  
5 \_\_\_\_\_  
6 \_\_\_\_\_  
7 \_\_\_\_\_  
8 \_\_\_\_\_  
(BS only) 9 \_\_\_\_\_  
(BS only) 10 \_\_\_\_\_

1 \_\_\_\_\_  
2 \_\_\_\_\_  
3 \_\_\_\_\_  
4 \_\_\_\_\_  
5 \_\_\_\_\_  
6 \_\_\_\_\_

## D. Foundational Literacies (can overlap with other requirements)

Any OC, WI, or DL-designated course approved for the major, OR	Oral Communication _____
any OC, WI, or DL-designated course from the Division of Science	Writing Intensive _____
	Digital Literacy _____

## E. Footnotes

1. No individual course can count towards more than one requirement within the A, B, or C groups.
2. You cannot count BIOL 51a as an Add'l Elective if you are using either ECON 83a or PSYC 51a for your quant requirement.
3. Only one PHIL class can count as a neuroscience elective.
4. NEUR 99A & NEUR 99B, 199A and 199B. or NEUR 93 and one semester of NEUR 99, count as one elective taken together. Candidates for NEUR 99 must petition the program committee before the first semester of their senior year and submit a thesis. Candidates for the Senior Honors Program must also orally defend a thesis.