

# 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.*

<b>Name</b> _____	<b>Degree</b> _____
<b>Advisor</b> _____	<b>Graduating Class</b> _____

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

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

## 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 <sup>^</sup>	Molecular Pharmacology Comp.	NPSY 121b	Alzheimer's Disease
NBIO 136b	Neuroscience	NPSY 139a	Memory and the Brain
NBIO 142b	Circadian Rhythms Sleep	NPSY 141a	Stress, Physiology & Health
NBIO 143b	Developmental Neurobiology	NPSY 154a	Human Memory
NBIO 145b	Circuits and Systems	NPSY 170a	Decision Neuroscience
NBIO 146a	Neurobio of Human Disease	NPSY 174b	Visual Cognition
NBIO 147a	Genetics of Behavior	NPSY 176b	Constructing Reality
NBIO 148b	CellMech Neur Excit & Plasticity	NPSY 180a	Social Neuroscience & Culture
NBIO 157a	Proj Lab NeuroBio and Behavior	NPSY 182a	Dev. Cog NS: Infancy thru Adolesc.
NPSY 11b	Intro to Beh Neur	NPSY 196b	Adv. Topics in Cognition
NPSY 12a	Sensory Processes	NPSY 197a	Adv. Topics Behav Neurosci
NPSY 16a	Motor Control	NPSY 199a	Human Neuropsychology
NPSY 17a	Hand and Brain	PHIL 123b <sup>^3</sup>	Neuroethics
NPSY 22b	Intro. To Cog. Neuro.	PHIL 131a <sup>^3</sup>	Philosophy of Mind
NPSY 28a	Learning and Memory	NEUR 99A/B <sup>^4</sup>	Senior Research
NPSY 120b	Human Space Flight	NEUR 199A/B <sup>^4</sup>	BS/MS Senior Research

## 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)<sup>5</sup>

Oral	(NPSY 121b, 139a, 170a, 174b, 176b, 180a, 182a; BIOL 18b)	_____
Writing	(NPSY 121b, 139a; NEUR 99a/99b, 199a/199b; BIOL 18a)	_____
Digital	(BIOL 51A, 107A; COSI 12B, 21A, 131A; MATH 40a; NBIO 136b; PSYC 51a)	_____

## 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 count as one elective taken together. The same is true for NEUR 199A & NEUR 199B. 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.
5. Any course that counts toward the major that has an OC, WI, or DL designation can also be used.