

Checklist for Neuroscience Majors AY2021 and On

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 Courses¹

Neuro NBIO 140b
 Quantitative² BIOL51a, 107a, 135b; NBIO136b; PSYC 51a, 123a, 148a, 210a; MATH 40A; QBIO 110a; NPHY 115a, ECON 83a or PHYS

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[^])

BIOL 149b [^]	Molecular Pharmacology	_____	NPSY 121b	Alzheimer's Disease	_____
NBIO 136b	Comp. Neuroscience	_____	NPSY 139a	Memory and the Brain	_____
NBIO 142b	Sleep	_____	NPSY 141a	Stress, Physiology & Health	_____
NBIO 143b	Developmental Neurobiology	_____	NPSY 154a	Human Memory	_____
NBIO 145b	Neuroscience Systems	_____	NPSY 170a	Decision Neuroscience	_____
NBIO 146a	Neurobio of Human Disease	_____	NPSY 174b	Visual Cognition	_____
NBIO 147a	Neurogenetics	_____	NPSY 176b	Constructing Reality	_____
NBIO 148b	Cellular Mech NS	_____	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 ^{^3}	Neuroethics	_____
NPSY 22b	Intro. To Cog. Neuro.	_____	PHIL 131a ^{^3}	Philosophy of Mind	_____
NPSY 28a	Learning and Memory	_____	NEUR 99A/B ^{^4}	Senior Research	_____
NPSY 120b	Human Space Flight	_____	NEUR 199A/B ^{^4}	BS/MS Senior Research	_____

C. Additional Science Electives (BS = 52 total credits or BA = 44 total credits with of those 12 credits from lab courses)

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)⁵

Oral (NPSY 121b, 139a, 170a, 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 Neuroscience major.
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. Other university courses with the OC, WI, and DL designation can also be used.

Last Updated: 4/4/2024