

PSYCHOLOGY MAJOR, BEHAVIORAL NEUROSCIENCE CONCENTRATION

Department of Psychology (<https://catalog.washcoll.edu/catalog/departments-programs/psychology/>)

Division of Natural Sciences and Mathematics

Concentration Advisor: Dr. Weil

The concentration in behavioral neuroscience is designed for students with a focused interest in the biological bases of behavior and thought. The concentration is well suited for students who are contemplating professional or research careers in medicine, pharmaceuticals, veterinary medicine, animal science, neurology, and neuroscience. Because BN concentrators have additional laboratory requirements beyond other Psychology majors, students in the BN track earn a Bachelor of Science (B.S.).

Psychology Major with a Behavioral Neuroscience Concentration (B.S.) Requirements

Code	Title	Credits	Notes
Required Introductory Courses		16	
BIO 111	General Biology I with Lab		
BIO 112	General Biology II with Lab		
CHE 120 & CHE 122	Chem Principles Org Molecules with Lab and Chemical Principals Orgnc Molecules Lab		
CHE 140 & CHE 142	Reactions of Organic Molecules with Lab and Reactions of Organic Molecules Lab		
The Psychology Core		18	
PSY 111	General Psychology		
PSY 112	General Psychology		
PSY 209	Statistics & Research Design I with Lab		
PSY 309	Statistics & Research Design II With Lab		
PSY 399	Junior Seminar (2 credits)		
Behavioral Neuroscience Core		8	
PSY 210	Biopsychology with Lab		
PSY 410	Neuroscience Research Methods w/ Lab ³		
Select 3 Courses From Below ¹		12	
PSY 305	Psychopharmacology with Lab		
PSY 310	Human Neuropsychology with Lab		
PSY 313	Learning & Appl Behavioral Anal. w/ Lab		
PSY 316	Cognitive Neuroscience with Lab		
PSY 317	Princ of Sensation & Perception w/ Lab		
PSY 294/394	Special Topics ²		
Select 1 Fundamental Psychology Course From Below		4	
PSY 202	Life-Span Development		
PSY 221	Social Psychology		
PSY 233	Traditional Psychiatric Disorders		
PSY 234	Medical and Developmental Disorders		
PSY 320	Health Psychology with Lab		
PSY 333	Psychological Testing		

Senior Capstone Experience (PSY SCE topic must cover neurological mechanisms governing behavior)	2-4	_____
Total Credits	60-62	_____

- ¹ With approval of the Behavioral Neuroscience advisor, on-campus research, off-campus research, or one upper-level laboratory course in Biology, Chemistry, or Physics can count for this section.
- ² Only special topics courses in Behavioral Neuroscience (advisor approved) may count for the PSY 294 Special Topics/PSY 394 Special Topics option.
- ³ PSY 310 Human Neuropsychology with Lab: Human Neuropsychology with Lab may be substituted for PSY 410 Neuroscience Research Methods w/Lab for students completing both Clinical Counseling and Behavioral Neuroscience concentrations.

Notes

Students majoring in Behavioral Neuroscience are encouraged to take additional 300- and 400-level PSY courses, as well as other upper-level BIO and CHE courses.

Students planning to complete graduate neuroscience programs, medical, or veterinary schools should consider MAT 111 Differential Calculus, MAT 112 Integral Calculus, PHY 111 General Physics I with Lab, PHY 112 General Physics II with Lab, and CHE 309 Biochemistry with Lab/BIO 409 Biochemistry with Lab. Such students should consult with the pre-medical advisor or their behavioral neuroscience advisor.

Major

- Neuroscience Major (<https://catalog.washcoll.edu/catalog/interdisciplinary/neuroscience-major/>)
- Psychology (Experimental) Major (<https://catalog.washcoll.edu/catalog/departments-programs/psychology/experimental-psychology-major/>)
- Psychology Major, Behavioral Neuroscience Concentration (p. 1)
- Psychology Major, Clinical/Counseling Concentration (<https://catalog.washcoll.edu/catalog/departments-programs/psychology/psychology-clinical-counseling-concentration-major/>)

Minor

- Psychology Minor (<https://catalog.washcoll.edu/catalog/departments-programs/psychology/psychology-minor/>)