University of Virginia
Bachelor of Science (BS) in Behavioral Neuroscience
Checklist / Course Plan

For complete requirements visit: https://psychology.as.virginia.edu/bs-behavioral-neuroscience

Student Name & Email:

PREREQUISITES: These courses (taken in any order) are needed to declare the major.

5 Required Courses (15-16 Credit Hours) *A grade of at least C required.*	**Semester planned/ taken (ex: Fall 2022)**
PSYC 2005 Research Methods & Data Analysis I (3 credits)	
BIOL 2100 Introduction to Biology with Laboratory (3 credits)	
Choose one of the following: (3 credits) **STAT 1601** Intro to Data Science with R **STAT 1602** Intro to Data Science with Python	
Choose one of the following: (3 credits) **PSYC 2200** Neural Basis of Behavior **PSYC 3200** Fundamentals of Neuroscience **BIOL 3050** Neurobiology	
Choose one of the following: (3 credits) ☐ **APMA 1090** Single Variable Calculus I ☐ **MATH 1190** A Survey of Calculus I with Algebra ☐ **MATH 1210** A Survey of Calculus I ☐ **MATH 1310** Calculus I	

B.S. MAJOR REQUIREMENTS

13 Required Courses (40 Credit Hours) *A grade of at least C required. A max of 12 transfer credits can be used toward the major.* Visit the course requirements page to view the course number titles	**Sems. planned or taken (ex: F22)**
PSYC 3006 Research Methods & Data Analysis II (4 credits)	
PSYC 3160 Cognitive Neuroscience. (3 credits)	
PSYC 3200 Fundamentals of Neuroscience -or- **BIOL 3050** Neurobiology (3 credits)	
PSYC 3235 Introduction to Epigenetics (3 credits)	
PSYC 3250 Forum in Ethical & Inclusive Science -or- **PSYC 3260** Hidden Figures (3 credits)	
Advanced Research (RM Courses) (choose one – 3 credits) ☐ **PSYC 3210** RM: Psychobiology ☐ **PSYC 4215** RM: Computational Meth in Psych & Neurosci. ☐ **PSYC 4260** RM: Genetic and Epigenetic Research in Behavior ☐ **PSYC 4420** RM: Brain Mapping with MRI ☐ **PSYC 5270** RM: Computational Neuroscience	
Advanced Topics (choose **two**- 6 credits) ☐ **PSYC 3100** Learning and the Neuroscience of Behavior ☐ **PSYC 3240** Animal Minds ☐ **PSYC 4200** Neural Mechanisms of Behavior ☐ **NESC 4245** Neuroscience through the Nobels ☐ **PSYC 4250** Brain Systems Involved in Neurobiology of Memory ☐ **NESC 4265** Developmental Neurobiology ☐ **PSYC 4265** Functional Neuroanatomy ☐ **PSYC 5280** Neuropsychopharmacology	
Psychological Science Foundations (choose **one**- 3 credits) ☐ **PSYC 1010** Intro Psychology ☐ **PSYC 2150** Introduction to Cognition ☐ **PSYC 2410** Abnormal Psychology ☐ **PSYC 2600** Intro Social Psychology ☐ **PSYC 2700 Intro Child Psychology**	
Science Foundations (choose two; must be a graded course, can be from same dept.) ☐ ASTR 2110+ (+ means 'and above') ☐ BIOL 2200+ ☐ CHEM 1410+ ☐ CS 1110+ ☐ EVSC 1010+ ☐ MATH 2310+ ☐ PHYS 1425+ ☐ STAT 1100, 1120, 2020+	
Restricted Electives (choose two or enough to reach 55 credits total; **must** choose at least one 4000-5000 level course if no 4000-level Advanced Topics or Advanced Research courses). Check the website each year for newly added courses (PSYC 3559, 4559, 4500, etc) that will count towards this requirement. All courses listed under Advanced Research and Advanced Topics Requirements can be taken as electives. ☐ **PSYC 4155** Autism: From Neurons to Neighborhoods ☐ **PSYC 4290** Memory Distortions ☐ **PSYC 4607** Uniquely Human Social Cognition ☐ **PSYC 5710** Machine Learning and Data Mining ☐ **PSYC 5326** Neuroscience of Social Relationships	
Overall GPA in major courses of at least 2.00	

For questions, please contact behavneuro_advising@virginia.edu or the Director of Undergraduate Studies, Chris Mazurek, psyc-dus@virginia.edu, or your major advisor

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