



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) <i>A grade of at least C required.</i> | 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) <i>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</i> | Semester planned/ taken (ex: Fall 2022) |
|---|--|
| 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) <input type="checkbox"/> PSYC 3210 RM: Psychobiology <input type="checkbox"/> PSYC 4215 RM: Computational Meth in Psych & Neurosci. <input type="checkbox"/> PSYC 4260 RM: Genetic and Epigenetic Research in Behavior <input type="checkbox"/> PSYC 4420 RM: Brain Mapping with MRI <input type="checkbox"/> PSYC 5270 RM: Computational Neuroscience | |
| Advanced Topics (choose two- 6 credits) <input type="checkbox"/> PSYC 3100 Learning and the Neuroscience of Behavior <input type="checkbox"/> PSYC 3240 Animal Minds <input type="checkbox"/> PSYC 4200 Neural Mechanisms of Behavior <input type="checkbox"/> NESC 4265/PSYC4265 Developmental Neurobiology <input type="checkbox"/> PSYC 4265 Functional Neuroanatomy <input type="checkbox"/> PSYC 5280 Neuropsychopharmacology | |
| Psychological Science Foundations (choose one- 3 credits) <input type="checkbox"/> PSYC 1010 Intro Psychology <input type="checkbox"/> PSYC 2150 Introduction to Cognition <input type="checkbox"/> PSYC 2410 Abnormal Psychology <input type="checkbox"/> PSYC 2600 Intro Social Psychology <input type="checkbox"/> PSYC 2700 Intro Child Psychology | |
| Science Foundations (choose two; must be a graded course, can be from same dept.) <input type="checkbox"/> ASTR 2110+ (+ means 'and above') <input type="checkbox"/> BIOL 2200+ <input type="checkbox"/> CHEM 1410+ <input type="checkbox"/> CS 1110+ <input type="checkbox"/> EVSC 1010+ <input type="checkbox"/> MATH 2310+ <input type="checkbox"/> PHYS 1425+ <input type="checkbox"/> STAT 1100, 1120, 2020+ | |
| Restricted Electives (choose two or enough to reach 55 credits; 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. <input type="checkbox"/> PSYC 4155 Autism: From Neurons to Neighborhoods <input type="checkbox"/> PSYC 4250 Brain Systems Involved in Neurobiology of Memory <input type="checkbox"/> PSYC 4290 Memory Distortions <input type="checkbox"/> PSYC 4607 Uniquely Human Social Cognition <input type="checkbox"/> PSYC 5710 Machine Learning and Data Mining <input type="checkbox"/> PSYC 5326 Neuroscience of Social Relationships | |
| Overall GPA in major courses of at least 2.00 | |

For questions, please contact the Undergraduate Coordinator, psych-info@virginia.edu, the Director of Undergraduate Studies, Chris Mazurek, psyc-dus@virginia.edu, or behavneuroadvising@virginia.edu

Revised 11/28/2023