

Neuroscience Major Checklist (with Prerequisites)
Fall 2018 through Current Catalog

Core Group – 28-29 credits

- _____ CHM1310G: General Chemistry I, with lab CHM1315G, 4 credits. *One year of high school chemistry or credit in CHM 1040G with a grade of C or better. Not recommended for those whose ACT mathematics score is less than 21 without prior completion of or concurrent enrollment in MAT 1271. CHM 1315G must be taken concurrently.*
- _____ CHM1410: General Chemistry II, with lab CHM1415, 4 credits. *A grade of C or better in both CHM 1310G and 1315G. CHM 1415 must be taken concurrently.*
- _____ BIO1500: General Biology I (4 CR)
- _____ PSY1879G: Introductory Psychology (3 CR)
- _____ MAT 2110G: Brief Calculus with Applications (3 CR). *MAT 1271 with a C or better, or satisfactory placement by department guidelines.*
- _____ Choose 1 statistics course from:
 - _____ MAT2250G: Elementary Statistics (4 CR). *A grade of “C” or better in MAT 1270; or placement by department guidelines.*
 - _____ PSY2610: Statistical Methods of Psychology (4 CR). *PSY 1879G and MAT 1271 or higher level math course, with a grade of C or better; or ACT mathematics score of 26 or higher.*
 - _____ BIO4750: Statistical Analysis of Scientific Data (3 CR). *College algebra or permission of instructor.*
- _____ PSY3805: Research Methods and Experimental Design (4 CR). *A grade of “C” or better in PSY 1879G or PSY 1890G; and PSY 2610.*
- _____ BIO3451: Undergraduate Research (*BIO 1500, 1550G and approval of instructor and department chairperson.*) or PSY4100: Undergraduate Research (*PSY 2610 and PSY 3805 with a grade of C or better in both, or permission of the instructor.*)

Psychology Group – 18 credits

All psychology courses have introductory psychology as a prerequisite (PSY1879G or PSY1890G) with a C or better.

- _____ PSY3310: Biopsychology (3 CR)
- _____ Choose 3 courses from:
 - _____ PSY3450: Neuropsychology (3 CR)
 - _____ PSY3680: Sensation and Perception (3 CR)
 - _____ PSY3820: Cognitive Neuroscience (3 CR)
 - _____ PSY4810: Neuropsychopharmacology (3 CR). *PSY 3310.*
- _____ Choose 2 courses from:
 - _____ PSY3518: Language Development (3 CR)
 - _____ PSY3710: Human Memory (3 CR)
 - _____ PSY3780: Abnormal Psychology (3 CR)
 - _____ PSY3830: Cognitive Psychology (3 CR)

Biology Group – 20 credits

- _____ BIO3120: Molecular and Cellular Biology (4 CR). *BIO 1500, CHM 1410, and CHM 1415*
- _____ BIO3200: Genetics (4 CR). *BIO 3120 or CHM 3450*
- _____ BIO4833: Neurobiology of Diseases (4 CR). *A grade of “C” or better in BIO 3120.*
- _____ BIO4834: Neurobiology (4 CR). *BIO 3120 or permission of the instructor.*

Choose 1 course from:

- _____ BIO4832: Animal Behavior (4 CR). *Sixteen semester hours of Biological Sciences or permission of the instructor.*
- _____ BIO4835: Advanced Neurobiology (4 CR). *A grade of “C” or better in BIO 4834.*

Please see catalog for additional notes and prerequisites