

Sample Four-Year Plan for Pre-Professional Health B.S. in Neuroscience

Fall of First Year

PSY 1010: General Psychology (3)
BIOL 1240: Principles of Biology I (3)
BIOL 1245: Principles of Biology Laboratory (1)
CHEM 1110: General Chemistry I (3)
CHEM 1115: General Chemistry I Lab (1)
UNIV 1010: Enhancing First Year Success (1)
CORE (3)

Term Credit Total: 15

Spring of First Year

PSY 3100: Brain, Mind, & Society (3)
BIOL 1260: Principles of Biology II (3)
BIOL 1265: Principles of Biology II Laboratory (1)
CHEM 1120: General Chemistry II (3)
CHEM 1125: General Chemistry II Lab (1)
MATH 1510: Calculus I (4)
NEUR 1950: First-Year Mentoring (0)

Term Credit Total: 15

Fall of Sophomore Year

BIOL 3020: Molecular Cell Biology I (3)
PSY 2050: Foundations of Research Methods (4)
CHEM 2410: Organic Chemistry (3)
CHEM 2415: Organic Chemistry Lab (1)
CORE (3)
NEUR 2950: Second-Year Mentoring (0)

Term Credit Total: 14

Spring of Sophomore Year

BIOL 3040: Cellular Structure & Function (3)
NEUR 3400: Introduction to Neuroscience 1 (3)
CHEM 2420: Organic Chemistry (3)
CHEM 2425: Organic Chemistry II Lab (1)
CORE (3)
CORE (3)

Term Credit Total: 16

Fall of Junior Year

NEUR 3500: Introduction to Neuroscience 2 (3)
NEUR 3550: Neuroscience Lab (2)
PHYS 1310: Physics I (3)
PHYS 1320: Physics I Lab (1)
MATH 1300: Elementary Statistics with Computers (3)
CORE (3)

Term Credit Total: 15

Spring of Junior Year

PHIL 4280: Biology & Mind (3)
Bio or Psyc Elective* (2-5)
Bio or Psyc Elective* (2-5)
PHYS 1330: Physics II (3)
PHYS 1340: Physics II (1)
CORE (3)

Term Credit Total: 15-18

Fall of Senior Year

Bio or Psyc Elective* (2-5)
Bio or Psyc Elective* (2-5)
CORE (3)
CORE (3)
CORE (3)
Elective +

Term Credit Total: 15-18

Spring of Senior Year

NEUR 4900: Neuroscience Seminar (1^)
Bio or Psyc Elective* (2-5)
Bio or Psyc Elective* (2-5)
Capstone/Inquiry/Honors Project** (1-3)
CORE (3)
CORE (3)
CORE (3)
NEUR 4950: Senior Residency (0)

Term Credit Total: 15-18

***Approved Biology Electives (must take one lab course, lab courses indicated in *italic*):** BIOL 3010 Evolution, BIOL 3030 Principles of Genetics, *BIOL 3060 Cell Structure & Function Laboratory*, *BIOL 3100 Experiments in Genetics Lab*, *BIOL 3420 Comparative Anatomy of the Vertebrates*, *BIOL 3470 General Physiology Laboratory*, BIOL 3480 Exercise Physiology, BIOL 4010 Sex, Evolution, and Behavior, BIOL 4030 Introduction to Genomics, *BIOL 4050 Molecular Technique Laboratory*, BIOL 4070 Advanced Biological Chemistry, BIOL 4080 Advanced Cell Biology, BIOL 4150 Nerve Cell Mechanisms in Behavior, BIOL 4250 Neurobiology of Disease, BIOL 4360 Animal Behavior, *BIOL 4370 Animal Behavior Lab*, BIOL 4410 Comparative Animal Physiology, *BIOL 4440 Vertebrate Histology: Structure and Function of Tissues*, BIOL 4500 Introductory Endocrinology, BIOL 4510 Behavioral

Endocrinology, BIOL 4540 Human Systemic Physiology, BIOL 4600 Developmental Biology, *BIOL 4610 Developmental Biology Lab*, BIOL 4630 Foundations of Immunobiology, BIOL 4700 Molecular Biology

***Approved Psychology Electives:** PSY 3120 Cognitive Psychology, PSY 3160 Learning & Memory, PSY 3210 Developmental Psychology: Child, PSY 3230 Developmental Psychology: Adolescence, PSY 3300 Social Psychology, PSY 3310 Personality Theory, PSY 4140 Psychopharmacology, PSY 4150 Science of Sleep, PSY 4350 Health Psychology, PSY 4390 Abnormal Psychology

****Approved Capstone/Inquiry/Honors courses:** BIOL 4890 Senior Inquiry: Comprehensive Examination, BIOL 4970 Library Project, BIOL 4980 Advanced Independent Research, PSY 4010 Advanced Research Methods and Statistics, PSY 4880 Capstone Research Project, PSY 4900 Critical Thinking about Psych

+ Electives: Students must complete at least 120 credit hours for A&S degree requirements. Electives are only necessary if students need additional classes to reach this minimum.

^ NEUR 4900: This course is currently listed as a 3 credit hour course. This course is expected to be changed to a 1 credit hour course in Spring 2018.