Requirements – Neurobiology Major

MATHEMATICS, STATISTICS, CHEMISTRY, AND PHYSICS

Calculus: MATH 211, 217, 221
Statistics: STAT 371
General Chemistry: CHEM 103, 104, 116
Organic Chemistry: CHEM 343, 345
General Physics 1: PHYSICS 103, 201, 207
General Physics 2: PHYSICS 104, 202, 208, 248

GENERAL BIOLOGY
Introductory Biology 1 & 2: ZOOLOGY 151-152
Animal Biology + General Botany: ZOOLOGY 101, 102, BOTANY 130
BIOCORE: BIOCORE 383, 587, 384

REQUIRED NEUROSCIENCE COURSES
Behavioral Neuroscience: PSYCH 454
Neuroscience Seminar: ZOOLOGY 500

Distributed Neuroscience Coursework
ANAT+PHY - 335 – Physiology*
ANAT+PHY - 435 – Fundamentals of Human Physiology*
BIOCHEM 501 - Introduction to Biochemistry*
BIOCHEM 508 – General Biochemistry 2*
BME 520 – Stem Cell Bioengineering*
CS&D 210 - Neural Basis of Communication
ED PSYCH 326 - Mind, Brain and Education
KINES 531 - Neural Control of Movement
NTP 611 – Systems Neuroscience
NTP 630 - Neuronal Mechanisms for Sensation & Memory in the Cerebral Cortex
NTP 675 - Topic: Molecular Mechanisms of Brain Damage
PSYCH 406 - Psychology of Perception
PSYCH 513 - Hormones, Brain, and Behavior
PSYCH 601 - Topic: Epigenetics and the Brain
ZOOLOGY 470 – Introduction to Animal Development*
ZOOLOGY 611 - Comparative & Evolutionary Physiology
ZOOLOGY 655 – Neurodevelopmental Disease

LAB/RESEARCH EXPERIENCE
Directed/Independent Study
Psych 621
699

Neuroscience Laboratory course
PHYSIOL 435 - Fundamentals of Human Physiology*