Neuroscience Major and Minor

Weuroscience.Pitt.edu

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Neuroscience is the studyof the biological bases and consequences of behavior, ith a special focus on the role of the nervo us system in these processes. The field has emerged during the past three decades as part of the explosive groths of interest in the biologyof the brain and its contribution to understanding and treating neurological and psychiatric disorders. The neuroscience major provi7 () aepo4t1ovaa eresbutihoitranajmrmr I, or universitysettingshenshnpuablicraridupt3vateffigh (r)0.naintomoschool teaching; additional biologycourses maybe required.

Required courses for the leuroscience major

The neuroscience major requires the completion of 59 credits distributed as follow Equivalent University Honors College courses maybe substituted for anyof the courses listed below

Core courses

NROSCI 1000 Introduction to Neuroscience

NROSCI 1011 Functional Neuroanatomy

NROSCI 1012 Neurophsiology

NROSCI 1017 Syaptic Transmission

NROSCI 1049 Research Topics in Neuroscience

Two advancedelective courses

NROSCI 1014 Speaking of Science

NROSCI 1028 Signaling Pathany in Syraptic Plasticity

NROSCI 1030 Psychiatric Disorders and Brain Function

NROSCI 1032 Functional Org of the Human Nervous Sy

NROSCI 1033 Neural Basis of Vision

NROSCI 1034 Neural Basis of Cognition

NROSCI 1036 Neurobiologyof Aging

NROSCI 1038 Research in Behavioral Neuroscience

NROSCI 1039 Processing in Neural Circuits

NROSCI 1040 Biological Bases of Learning and Memory

NROSCI 1041 Developmental Neurobiology

NROSCI 1042 Neurochemical Basis of Behavior

NROSCI 1027 Neuroscience Pro Seminar NROSCI 1901 Independent Study (4 credits) NROSCI 1962 Thesis Research Writing Practicum Natural Sciences Research

Corequisite courses

Biological Scienceourses
BIOSC 0150 Foundations of Biology

Mathematics course

MATH 0220 Analtic Geometryand Calculus 1

Physics courses

PHYS 0110 Introduction to Physics 1 PHYS 0111 Introduction to Physics 2

Grade requirements

A grade of B- or better is required in NROSCI 1000. A minimum GPA of 2.0 in the core, advanced elective, and co-requisite courses is required for graduation.

Satisfactory/No Credit option

NROSCI 1049 is the onlycourse that counts to awd the major and may be taken on an S/NC basis.

Declaring the major

In order to declare the neuroscience major, a student must have completed BIOSC 0150, BIOSC 0160, CHEM 0110, and CHEM 0120 ith a grade of C or better.

Advising

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