Neuroscience Courses for Premedical Students

Students applying to M.D. and D.O. programs in the United States file their applications through AMCAS (M.D.-American Medical College Application Service) or AACOMAS (D.O.-American Association of Colleges of Osteopathic Medicine). These services calculate a science GPA that includes all BCPM (Biology, Chemistry, Physics, Math) orientated courses.

Many of the courses offered within the Psychology department predominantly discuss the use of Neuroscience or Statistical methods to elucidate Psychological processes. According to AMCAS, Neuroscience courses (a subset of Biology) and Statistics courses (a subset of Math) should be included within the BCPM GPA, and it is the belief of the Psychology faculty that, in accordance with the guidelines outlined by AMCAS, the courses listed below should be reported in your “BCPM” GPA when applying through AMCAS.

Nevertheless, when filing an application Premedical students should read the instructions on the AMCAS or AACOMAS application carefully, as policies may change.

**PS courses to be included in the BCPM GPA (Math-Statistics)**
- PS120 Introduction to Behavioral Statistics and Research I
- PS121 Introduction to Behavioral Statistics and Research II
- PS606 Experimental Design and Statistics
- PS608 Multivariate Statistics

**PS courses to be included in the BCPM GPA (Biology-Neuroscience)**
- PS285 Behavioral Neuroscience
- PS287 Learning and Motivation
- PS339 Affective Neuroscience
- PS371 Cognitive Neuroscience
- PS383 Neurobiological Basis of Learning
- PS384 Neurobiology of Sensory and Motor Systems
- PS385 Neurobiology of Social Behaviors
- PS386 Psychopharmacology
- PS387 Developmental Neuroscience and Behavior
- PS388 Neurobiology of Eating and Eating Disorders
- PS389 Hormones and Behavior
- PS439 Seminar in Affective Neuroscience
- PS473 Event-related Potentials
- PS545 Affective Neuroscience
- PS570 Advanced Topics in Cognitive Neuroscience
- PS571 Controversies in Cognitive Neuroscience
- PS574 Neuroscience of Sensation and Perception
- PS579 Special Topics: Cognitive, Affective, and Behavioral Neuroscience
- PS582 Advanced Topics in Behavioral Neuroscience
- PS585 Brain Systems: Motivation and Emotion

Neuroscience Courses for Predental, Preveterinary and Other Health Careers

A number of other graduate health professions, including dental and veterinary schools, have centralized application services, AADSAS (Associated American Dental Schools Application Service) and VMCAS (Veterinary Medical College Application Service). While many schools may include neuroscience and statistics in their science GPA calculations, it is important to carefully research the application instructions for each profession, as policies may change.