

Interfaculty Graduate Neuroscience Program (IGNP)

The interfaculty graduate program leading to the MS degree in neuroscience draws on the resources of the Faculty of Medicine, the Faculty of Engineering and Architecture, and the Faculty of Arts and Sciences, and is administered by graduate committees of the faculties concerned.

Neuroscience is the study of the nervous system. It includes an interrelated set of scientific disciplines including basic (neuroanatomy, neurophysiology, neurochemistry, neuropharmacology, neurobehavior) and clinical (neurology, neurosurgery, anesthesiology, neuropathology, ophthalmology, psychiatry) subjects. Although the participating faculty come primarily from the Physiology and Human Morphology Departments in the Faculty of Medicine, major contributions are made from faculty in the Neurology and Neurosurgery Divisions and the Psychiatry Department in the Faculty of Medicine, the Biology Department in the Faculty of Arts and Sciences, and the eElectrical Engineering Department in the Faculty of Engineering and Architecture.

The Interfaculty Graduate Neuroscience Program is a member of the Association of Neuroscience Departments and Programs (ANDP) in Bethesda, Maryland (USA), which aims to advance education and research in neuroscience.

Admission Requirements

Student applicants must be recommended for admission by both the department concerned and the appropriate graduate committee. The program is flexible in accepting students from a variety of backgrounds, including MD graduates and holders of the BS degree from various university programs.

Graduation Requirements for the MS in Neuroscience

- Students holding a BS or BA degree are required to take a minimum of 21 graduate credit hours and present a thesis on independent research in one of the basic neuroscience subjects.
- Holders of the MD degree, or medical students who have completed the first two years towards the MD, are required to take a minimum of 10 non-medical graduate credit hours in addition to a thesis.
- Only one course (IDTH 308—Nervous System (6 credits)) is required, in addition to a wide choice of electives from various departments and faculties.

