

INTEGRATIVE NEUROSCIENCE

Neuroscience is one of the most exciting, interesting, and integrative fields in science today. Technological advances of the last 20 years have led to a dramatic rise in neuroscience research across multiple domains, including biology, chemistry and biochemistry, psychology, computer science, and physics, as well as seemingly unrelated fields, such as economics.

A primary aim of the integrative neuroscience major is to engage Fordham students in this exciting and rapidly advancing field so that they become competitive candidates for postgraduate education in the neuroscience field. A unique aspect of the integrative neuroscience program is the presence of three tracks (cell and molecular, cognitive, and systems and computational), each focusing on a specific aspect of neuroscience. The design of the program also ensures that students have exposure to each of the disciplines so that their work can be informed by multiple perspectives.

Students majoring in integrative neuroscience may not double major in biology, biochemistry, natural science, computer science, environmental science, or psychology. Students majoring in integrative neuroscience may choose a minor provided that they fulfill the requirements stipulated by the department or program offering the minor and have the approval of the dean's office.

Students may not choose a minor in a department or program that is aligned with their area of specialization in the integrative neuroscience program. For example, a student in the cell and molecular specialization may not choose a biology or biochemistry minor, or a student in the cognitive specialization may not choose a psychology minor. However, a student in the cell and molecular specialization may choose a psychology minor. A limited number of course credits of the major may be used to fulfill requirements for the minor.

Applications will only be accepted in the fall through December 31 of any given year. Four-year, full-time Fordham undergraduate students may apply for admission to the integrative neuroscience major only in their third semester at Fordham (by the end of the fall of their sophomore year). Transfer students will be considered on a case-by-case basis by program directors. To be admitted to the major, students are required to (1) have taken at least three foundation courses (or external equivalent), (2) have a science GPA of 3.2 or higher, and (3) not have more than 4 credits of less than a B- in their science courses, including labs (biology, chemistry, natural sciences, math, physics, computer science, and psychology).

For more information

Visit the Integrative Neuroscience program web page.