

Neuroscience: Systems, Behavior & Plasticity

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<https://liberalarts.temple.edu/departments-and-programs/neuroscience/>

A major in Neuroscience enables students to pursue a curriculum in several departments, colleges, and schools at Temple University in one of the most dynamic areas of science. Neuroscience is an interdisciplinary field addressing neural and brain function at multiple levels. It encompasses a broad domain that ranges from molecular genetics and neural development, to brain processes involved in cognition and emotion, to mechanisms and consequences of neurodegenerative disease. The field of neuroscience also includes mathematical and physical principles involved in modeling neural systems and in brain imaging.

The undergraduate, interdisciplinary Neuroscience Major will culminate in a Bachelor of Science degree. Many high-level career options within and outside of the field of neuroscience are open to students with this major. This is a popular major with students aiming for professional careers in the health sciences such as in medicine, dentistry, pharmacy, physical and occupational therapy, and veterinary science.

Students interested in graduate school in biology, chemistry, communications science, neuroscience, or psychology are also likely to find the Neuroscience Major attractive.

Neuroscience Accelerated +1 Bachelor of Science / Master of Science Program

The accelerated +1 Bachelor of Science / Master of Science in Neuroscience: Systems, Behavior and Plasticity program offers outstanding Temple University Neuroscience majors the opportunity to earn both the BS and MS in Neuroscience in just 5 years. Admission to the program is highly selective. The program is designed to provide a research-intensive experience, advanced coursework, and professional development to students who intend to pursue doctoral studies in any of the academic Neuroscience disciplines.

The accelerated +1 program consists of a maximum of 113 semester hours of undergraduate coursework, a maximum of 10 semester hours of graduate coursework to count towards both the undergraduate and the graduate degrees, and an additional 20 semester hours of graduate coursework as a graduate student. Upon successful completion of the fourth year, students will receive a BS in Neuroscience, using 10 credits of graduate coursework, if they have met all other degree requirements. At the end of the contiguous fifth year, students will receive a MS in Neuroscience.

Students apply to the +1 program in the spring semester of the junior year after completing a minimum of 72 undergraduate credits. Additionally, students must have a faculty sponsor who has agreed to mentor the student's master's project research during the four-semester program.

More information can be found at CLA's Neuroscience Program site.

Programs

- Bachelor of Science in Neuroscience: Systems, Behavior & Plasticity
- Minor in Neuroscience Research