

Behavioral Neuroscience

Website (<https://cos.northeastern.edu/behavioral-neuroscience/>)

Advising Information (https://docs.google.com/document/u/2/d/e/2PACX-1vQnM_Bw7PHR9zWmqU245FpSrngG8_BDdAsQXmqu1O-wy3RLpEXD3-znNG9ksuBcrAKPXZYEuGxMI5fv/pub/)

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Behavioral neuroscience is a broad and dynamic interdisciplinary field that focuses on understanding physiological brain mechanisms and how they give rise to behavioral functions in humans and animals. The relationship between the brain's activity and an organism's behavior, both healthy and pathological, is examined at multiple levels of analysis, from how a cell functions to how a facial expression conveys trust or fear.

As a behavioral neuroscience major, you will take courses across multiple departments to acquire foundational knowledge and strong critical thinking skills in the disciplines of biology, psychology, physical sciences, and mathematics. Through our combined majors, you can explore the intersection of behavioral neuroscience with complementary disciplines including philosophy, design, computer science, and data science. For some of our majors, we offer an accompanying PlusOne Master of Science in Bioinformatics or Applied Behavior Analysis.

Ample opportunities exist for students to put theory into practice while acquiring valuable hands-on research and clinical experience at renowned institutions across the world through Northeastern's co-op program. Faculty-mentored directed studies and honors projects are guided by investigators with shared interests from academic units, centers, and institutes throughout campus.

Our rigorous and comprehensive curriculum is designed to prepare students for employment in clinical settings or the biotech and pharmaceutical industry or for further graduate training in a plethora of scientific disciplines or in healthcare professions. Our graduates are qualified for a wide variety of careers including nonprofits, law, science writing, Big Data, artificial intelligence, and more.

Programs

Bachelor of Science (BS)

- Behavioral Neuroscience (<http://catalog.northeastern.edu/undergraduate/science/behavioral-neuroscience/behavioral-neuroscience-bs/>)
- Behavioral Neuroscience and Design (<http://catalog.northeastern.edu/undergraduate/science/behavioral-neuroscience/behavioral-neuroscience-design-bs/>)
- Behavioral Neuroscience and Philosophy (<http://catalog.northeastern.edu/undergraduate/science/behavioral-neuroscience/behavioral-neuroscience-philosophy-bs/>)
- Computer Science and Behavioral Neuroscience (<http://catalog.northeastern.edu/undergraduate/computer-information-science/computer-information-science-combined-majors/computer-science-behavioral-neuroscience-bs/>)
- Data Science and Behavioral Neuroscience (<http://catalog.northeastern.edu/undergraduate/computer-information-science/computer-information-science-combined-majors/data-science-behavioral-neuroscience-bs/>)

Minor

- Behavioral Neuroscience (<http://catalog.northeastern.edu/undergraduate/science/behavioral-neuroscience/behavioral-neuroscience-minor/>)

Accelerated Programs

See Accelerated Bachelor/Graduate Degree Programs (<http://catalog.northeastern.edu/undergraduate/science/accelerated-bachelor-graduate-degree-programs/#programstext>)