

## WHY MAJOR IN NEUROSCIENCE?

Neuroscience is the field of study examining brain development and function, and its connection to regulating and influencing a wide range of behavior. The study of neuroscience examines topics such as neuroanatomy, neuropsychopharmacology, neurophysiology, molecular neurobiology, and neuroendocrinology. Neuroscience is an interdisciplinary field that requires experience and training in biology, genetics, physiology, calculus, molecular biology, chemistry, physics, psychology, and research design and analysis.

## ABOUT THE NEUROSCIENCE PROGRAM

The Neuroscience program at BYU encompasses a broad spectrum of faculty with unique skills and research interests. The program offers opportunities for students to participate in research, seminars, conferences, and more in order to involve students in the neuroscience community. Because the Neuroscience program is rigorous, stimulating, and research-oriented, it provides excellent preparation for students seeking admission into graduate school, medical school, or other professional programs. Students with a degree in neuroscience will also be prepared to enter a wide variety of career fields due to the interdisciplinary nature of neuroscience.



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BRIGHAM YOUNG UNIVERSITY  
**NEUROSCIENCE CENTER**  
*Undergraduate Program*



## FACULTY RESEARCH INTERESTS

Neuroscience Center faculty members conduct research in a variety of areas. A few areas of faculty research include neuroimaging, neurodegenerative diseases, neuroendocrinology, behavioral and cognitive neuroscience, circuit electrophysiology, molecular neuroscience, and developmental neuroscience. Neuroscience students have the opportunity to be involved in faculty labs and to participate in hands-on research.

## CAREERS OF RECENT NEUROSCIENCE GRADUATES

Medicine  
Healthcare  
Education  
Research  
Business  
Administration  
Architecture  
Engineering  
Law  
Marketing  
Information Technology

## CAREERS IN NEUROSCIENCE

A major in neuroscience prepares students to pursue advanced degrees in neuroscience and fields related to neuroscience or to enter into the pharmaceutical and biotechnology workforce. Neuroscience provides outstanding preparation for students seeking admittance into graduate school or professional programs in medicine, dentistry, optometry, podiatry, and the chiropractic or pharmaceutical field. Neuroscience is an excellent field of study for those interested in health professions, law, or business. Graduates of the program also have the academic skills for careers in business, consulting, global health, government and policy, non-profit programs, research, writing, and publishing.

## HOW TO BECOME A NEUROSCIENCE MAJOR

Neuroscience is an open major and no application is necessary to become a neuroscience major. Prospective students must complete a "Change of Major" request on MyMap to declare Neuroscience as their official major. Students are also welcome to visit the Liberal Arts Advisement Center and meet with the Neuroscience academic advisor, Sam Prestwich, or a Peer Advisor before declaring their major.

Sam Prestwich  
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## HOW TO GET INVOLVED

- Join the Neuroscience Club
- Get involved in research
- Publish research in our undergraduate journal, Chiasm
- Attend neuroscience seminars
- Present research at neuroscience conferences
- Volunteer for Brain Awareness Week

