

NEUROSCIENCE, B.S.

The Bachelor of Science in Neuroscience degree brings together multiple scientific disciplines focusing on the nervous system. This interdisciplinary program offers students a solid foundation in science alongside specialization within a specific concentration area and extensive opportunities for hands-on research experience. The degree is ideal for students who intend to pursue graduate studies in neuroscience, animal behavior, psychology or medicine.

In particular, the B.S. in Neuroscience is designed to provide students with the necessary background for entry into graduate programs in neuroscience as well as facilitate completion of pre-med requirements for entry into medical school. Majors can also apply to the B.S. with Distinction in Neuroscience to complete additional research culminating in a senior thesis.

Learning Outcomes

1. Students will demonstrate a solid base of knowledge in the core areas of neuroscience, including both the cellular/molecular level and the cognitive/behavioral level.
2. Students will demonstrate a clear grasp of the core concepts within the major concentration they have selected
3. Students will demonstrate the ability to use scientific methodology in the critical evaluation of information, including identifying assumptions, creating and evaluating hypotheses, designing relevant experiments, and evaluating the results of analyses and experiments
4. Students will demonstrate the ability to analyze, synthesize, and evaluate scientific literature and communicate effectively, orally and in writing, about neuroscience concepts and principles.
5. Students will demonstrate preparedness for relevant careers or entry into graduate or professional programs