



The University of Texas at Austin

Texas Institute for Discovery

Education in Science

College of Natural Sciences

Neuroscience Program Learning Outcomes:

Graduates from the BS in Neuroscience degree program will be able to:

- *Outcome 1:* Define the cellular and tissue-level organization of the nervous system.
- *Outcome 2:* Understand the properties of cells that make up the nervous system including the propagation of electrical signals used for cellular communication.
- *Outcome 3:* Relate the properties of individual cells to their function in organized neural circuits and systems.
- *Outcome 4:* Understand how the interaction of molecules, cells, and neural circuits leads to higher level activities such as cognition and behavior.
- *Outcome 5:* Communicate effectively in writing and orally.
- *Outcome 6:* Access and evaluate scientific literature.
- *Outcome 7:* Design research studies and interpret data.
- *Outcome 8:* Integrate quantitative data and reasoning into the process of discovery.
- *Outcome 9:* Work on projects individually and in teams.
- *Outcome 10:* Gain experience in scientific career development.
- *Outcome 11:* Make decisions using an ethical code of conduct.