



BACHELOR OF SCIENCE

**NEUROSCIENCE—**

**CELLULAR AND MOLECULAR**

*Cellular and molecular neuroscience explores the nervous system at the molecular, cellular and behavioral levels.*



College of Science and Technology

# **NEUROSCIENCE—CELLULAR AND MOLECULAR**

## **Bachelor of Science**

### **Program Choices**

The bachelor of science in neuroscience—cellular and molecular emphasizes training in research and laboratory skills. Majors can develop in-depth knowledge in a variety of neuroscience and related topics via completion of required elective courses in the major, which range from Research Techniques in Molecular Biology to Neural Basis of Behavior.

### **Courses include:**

- Biotechnology
- Genetics
- The New Neuroimmunology
- Biomechanics
- Advanced Techniques Microscopy
- Systems Neuroscience
- Cellular Molecular Neuroscience
- Organization and Development of Nervous System
- Cell Structure & Function
- Embryology
- Endocrinology
- Mammalian Physiology
- Virology

### **Research Opportunities**

Neuroscience students are required to participate in a research project in a faculty lab, either within the department, in other departments on campus or at Temple's Health Sciences Center. They develop skills in evaluating and presenting research literature as well as in presenting their own research. Students present their work at the annual department symposium and may have their work published in a scientific journal. The Department of Biology's research is supported by the National Institutes of Health and the National Science Foundation.

### **Career Options**

In addition to neuroscience, graduates will be well-prepared for graduate or professional studies in cell or molecular biology, biochemistry, biophysics, biomedical sciences, medicine, pharmacology, dentistry, and many allied health fields. Graduates also are prepared to assume positions in the pharmaceutical or biotech industries and at government and university laboratories.

### **Faculty Contact**

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