DEPARTMENT OF PSYCHOLOGY



NEUROSCIENCE

Neuroscience Major · Neuroscience Minor

100% of our students complete an internship or undergraduate research. Delve into the brain and all its mysteries while preparing yourself for a career in one of the fastest-growing fields in the world. Majors in the Franklin College neuroscience program experience an academically rigorous curriculum, firmly grounded in the liberal arts, paired with internship and research opportunities under the mentorship of our dedicated faculty. Majors graduate prepared to contribute to the field of neuroscience and their communities.

THE CLASSROOM EXPERIENCE

Neuroscience opens the door to the human mind.



Neuroscience majors will learn one-on-one from dedicated, accomplished faculty with a proven record of research. Students will hone their professional and research skills while studying in a new facility filled with state-of-the-art research equipment. The classroom experience begins with a rigorous core curriculum emphasizing biology, chemistry, psychology, ethics, statistics and professional development. Neuroscience majors at Franklin College can select from three distinct concentrations (biology, physical science or psychology), allowing them to tailor the major to their interests.

- The neuroscience program structure allows dedicated students to double-major and/or minor in associated fields
- Individualized attention and the opportunity to conduct independent research one-on-one with faculty affords students an advantage upon entering professional or graduate programs.
- Neuroscience faculty have a proven record of research in their respective fields having published in distinguished journals such as *Clinical Science, Cell: Host & Microbe, Molecular Biology of the Cell, The Journal of Chemical Physics, Memory, Life Sciences, American Journal of Clinical Nutrition, NeuroImage Clinical, Cerebral Cortex, and Neuropsychopharmacology.*

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NEUROSCIENCE MAJORS LEARN BOTH PROFESSIONAL AND RESEARCH SKILLS BY WORKING ONE-ON-ONE WITH EXPERIENCED FACULTY IN A NEW SCIENCE FACILITY FILLED WITH STATE-OF-THE-ART RESEARCH EQUIPMENT.

OUTSIDE THE CLASSROOM

Learning in the field

Every Franklin College neuroscience major completes at least one field internship. Previous majors have interned at a variety of unique locations focusing on various aspects of neuroscience, such as research, psychopharmacology and behavioral cognition. Internship locations have included:

- Eli Lilly and Company
- Johnson Memorial Hospital
- Indiana Biosciences Research Institute
- CVS Pharmacy
- U Dirty Dawg Doggy Daycare

Neuroscience majors are also required to conduct a senior research project to complete their degree. Previous neuroscience majors have conducted a variety of interesting and innovative studies:

- Examining lighting and sound conditions on sleep using electroencephalography (EEG).
- Examining behavioral effects of different alcohol concentrations by self-brewing beer.
- Using 3D printing and Arduino to construct low-cost behavioral testing equipment.
- Examining the role of music in memory retention.
- EEG analysis of differential brain activity to dissimilar musical genres.

POST-GRADUATION

Unlimited career potential

A major in neuroscience opens the door to a wide variety of careers. Many students enter graduate or professional programs upon graduation, while others choose to go directly into their career. Our rigorous academic program along with the completion of both an internship and a senior research project leave students well-equipped with the necessary skills to be successful in whichever path they choose. Thus far, neuroscience graduates have secured positions at:

- St. Elizabeth Hospital, Electromyography Technologist
- LabCorp Drug Development, Research Technician
- Indiana Bioscience Research Institute, Research Associate
- IU Methodist, Clinical Laboratory Science Technologist

- Covance, Research Assistant
- DEPARTMENT OVERVIEW
- **Extracurricular opportunities:** There are several ways to get involved outside of the classroom while completing your neuroscience degree.
 - Honor Societies such as Chi Beta Phi (Science) and Psi Chi (Psychology)
 - Student Clubs such as Neuroscience Club, Chemistry Club, and Active Minds
 - Community involvement opportunities such as our annual Brain Day event
- **Major/minor options:** The neuroscience program was designed to allow students to complete an additional major or minors in related fields. For example, a neuroscience major with a concentration in biology could easily complete a minor in psychology and/or chemistry.
- For more information about then euroscience major, contact Bill Eiler Ph.D., assistant professor of psychology and director of the neuroscience program, at **beiler@FranklinCollege.edu**.