



LAKE FOREST  
COLLEGE

# NEUROSCIENCE

Neuroscience is the largest interdisciplinary major at the College. This fast growing science-focused major seeks to explain the biological basis of behavior by integrating natural and social sciences with humanities and performing arts. Our students explore brain function in-depth and address current ideas regarding sensation, perception, learning, memory, thought, emotion, and disorders of the brain. The program's vibrant and intellectually engaged student culture particularly attracts research-driven majors and pre-health students interested in making such interdisciplinary connections.

## RESEARCH:

Students regularly pursue independent research and co-publish with faculty from Lake Forest on topics as diverse as:

- Animal behavior
- Plasticity and addiction
- Human memory
- Parkinson's disease
- Developmental neuropsychology
- Sensory neurophysiology

## SUMMER FELLOWS:

Neuroscience majors may also conduct 10 weeks of paid summer research at Rosalind Franklin University of Medicine and Science, only a 10-minute drive from campus. Research topics include:

- Stress and anxiety
- Traumatic brain injury
- Neurological and psychiatric diseases

## STUDENT COMMUNITY:

The neuroscience program supports a strong student community of peer learners and leaders, including SYNAPSE, a dynamic student organization that received the 2011 national Brain Awareness Award for its innovative focus on public education and outreach on neuroscience issues. Academic excellence is rewarded by selection into the local chapter of national neuroscience honorary, Nu Rho Psi, which was awarded the national Chapter of the Year in 2013, and was highlighted in 2019 for its innovative organization of the Chicago Brain Bee. Majors hone their critical writing and persuasive communication skills by publishing their work in the award-winning journal, *Eukaryon*.

## PROFESSIONAL OUTREACH:

Our majors regularly receive recognition from professional societies at the local and national level for their scholarship and educational outreach activities. For each of the past 17 years, students have won research prizes at Chicago-area conferences. Our signature event, Brain Awareness Week, has been recognized with a national award from the International Society for Neuroscience.



## YOAN GANEV '19

**Majors:** Neuroscience and Biochemistry and Molecular Biology

**Achievements:** Goldwater Scholar Honorable Mention; National research fellowship from Parkinson's Foundation-American Parkinson Disease Association; First Prize, Midwest Pharmacology (GLC-ASPET) meeting; Presentations at multiple national conferences

**Internships:** Illinois Bone and Joint Institute

**Next step:** Medical school

Read about Yoan's path at [lakeforest.edu/ganev](http://lakeforest.edu/ganev)

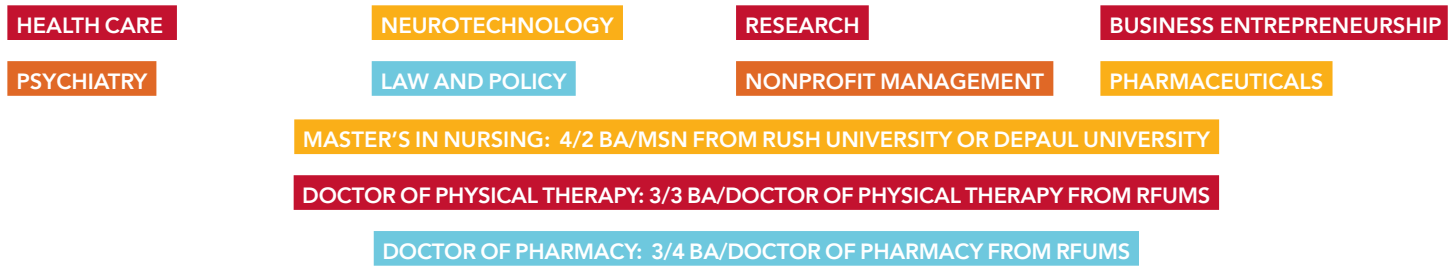


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**INTERNSHIPS AT:** Rosalind Franklin University of Medicine and Science • Illinois Bone and Joint Institute • Shirley Ryan AbilityLab • Lake County Addictions Treatment Program • Smell and Taste Treatment and Research Foundation • Equestrian Connection • NorthShore University Health System • Northwestern Feinberg School of Medicine • Loyola University Medical Center

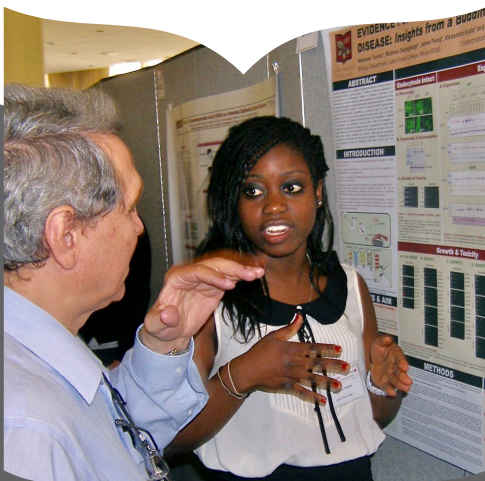
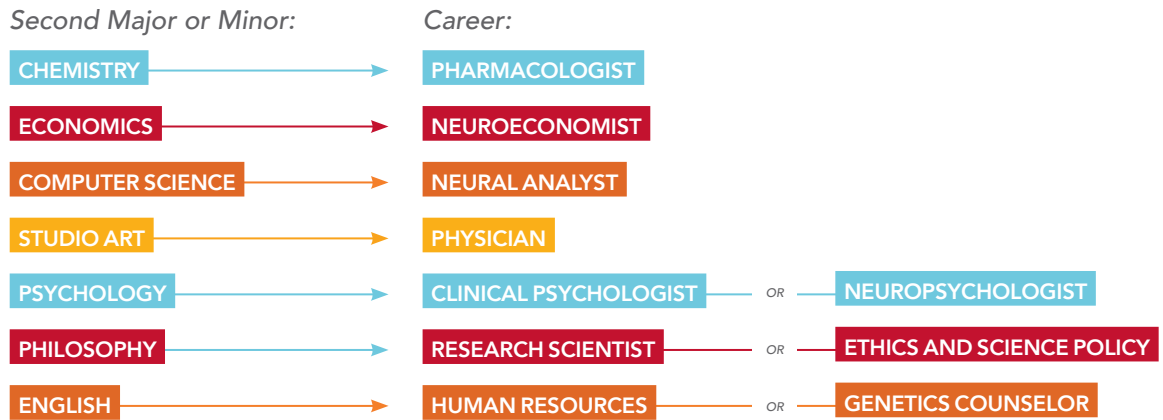
**CHICAGO** offers unmatched opportunities for student research, internships with leading-edge organizations, and field trips to world-renowned science and natural history museums and labs. Students and faculty can collaborate on data collection and research with area institutions, including the University of Chicago, Northwestern University, Art Institute of Chicago, and Rosalind Franklin University of Medicine and Science.

Our neuroscience majors pursue many career paths\* and several joint-degree programs:



\*More than half of neuroscience graduates pursue graduate and professional school. Others join the workforce in diverse career tracks.

Combine neuroscience with another area of study for a variety of careers:



**Maiwase Tembo '15**  
a neuroscience and biology double major from Kenya, co-authored multiple publications and received an American Heart Association predoctoral grant for PhD studies in the life sciences at the University of Pittsburgh.

[lakeforest.edu/academics/neuro](http://lakeforest.edu/academics/neuro)