

# NEUROBIOLOGY

Degree Types: MS

The master's program in Neurobiology (<https://neurobiology.northwestern.edu/graduate/program-masters/>) features hands-on training of independent research combined with focused classroom instruction to prepare students for careers in medicine, industry, academic research, and/or teaching. Students can earn this degree in one year of intensive study.

The program provides an unparalleled opportunity to learn and collaborate with some of the foremost scholars in the field of Neurobiology. Graduates of the program have gone on to MD or PhD programs at top institutions around the country or choose to directly enter careers in academic or industrial research.

## Program Information:

- Detailed Program Description (<https://neurobiology.northwestern.edu/graduate/program-masters/>)
- How to Apply (<https://neurobiology.northwestern.edu/graduate/program-masters/apply/>)

## Additional resources:

- Department website (<https://www.neurobiology.northwestern.edu/>)
- Program handbook(s)

## Degree Offered

- Neurobiology MS (<https://catalogs.northwestern.edu/tgs/neurobiology/neurobiology-ms/>)

Learning objective(s)/Students should be able to...

- Apply the scientific method to independently collect, analyze, and interpret data
- To be able to identify and comprehend primary literature
- To communicate effectively orally
- To communicate effectively in writing

## Neurobiology Core Courses

### NEUROBIO 401-0 Introduction to Neurobiology (2 Units)

This course introduces students in the MS Program in Neurobiology to the basics of modern day neurosciences, and canonical experiments that provide the foundation of modern day research. This course is currently not offered.

### NEUROBIO 402-0 Advanced Neurobiology and Physiology (2 Units)

This course highlights cutting-edge research in neurobiology through interactive research lectures and critical discussion of primary literature. Topics vary annually but include subjects such as sensory neurobiology, chronobiology, synaptic physiology, and neurodegenerative diseases.

### NEUROBIO 499-0 Independent Study (1-3 Units)

Supervised individual work; does not fulfill requirements for thesis or dissertation. Quarters offered: fall, winter, spring. - SEE DEPT FOR SECTION AND PERMISSION NUMBERS.

### NEUROBIO 595-0 Master's in Science in Neurobiology Laboratory Research (1-3 Units)

## Elective Courses

Students earn two credits from elective courses, taken in Winter and Spring quarters. To view a list of suggested elective courses, please visit our website (<https://neurobiology.northwestern.edu/courses/graduate-courses/electives/>).