Master’s Degree
Integrative Neuroscience

The Department of Neuroscience offers a rigorous program leading to a Master of Science Degree in Integrative Neuroscience. The MS program is designed for completion in two full-time consecutive semesters. The curriculum includes an extensive integrated overview of neuroscience, statistics, experimental design, and technical approaches. The integrative neuroscience degree can be complimented by the addition of one of two concentrations; integrative neuroscience with a concentration in science policy or integrative neuroscience with a concentration in laboratory research. Thirty credits are required for the Master’s degree with 11 of those credits coming from electives or a combination of research and electives.

Upon completion of the Master of Science in Integrative Neuroscience, all graduates will have a broad knowledge of neuroscience and experimental approaches to neuroscience.

Opportunities for master’s level neuroscientists exist in the research industry, government agencies, education, and laboratories. Master’s students may also decide to continue their education and apply for PhD or MD programs.

Typical applicants to the MS program have a BS degree in neuroscience, biology, psychology (with a biology emphasis), or biochemistry.

Concentrations
- Science Policy
- Laboratory Research

Program Director
Kathleen Maguire-Zeiss, PhD
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Department Chair & Vice-Chair
Barbara Bayer, PhD
Professor & Chair, Department of Neuroscience
Senior Associate Dean for Biomedical Graduate Education
Italo Mocchetti, PhD
Professor & Vice-Chair, Department of Neuroscience

Curriculum
Students must complete 30 credits of coursework. Students complete the program in one year attending full-time.

Required Courses (19 credits)
- Basic Neuroscience I & II
- Experimental Approaches and Techniques
- Journal Club
- Molecular Mechanisms of Neurodegeneration
- Therapeutic Approaches to Neurologic Diseases
- Imaging in Neuroscience

Sample Electives (11 credits)
- Brain Networks and Cognition
- Research Practicum
- One Health: US Policy for a Global Challenge
- Environmental Health & Policy
- Topics in Neuroinflammation
- Neuroscience of Substance Abuse
- From Neurons to Behavior: Principles of Computational Cognitive Neuroscience

For more information:
neuro.georgetown.edu/ms_neuroscience.html

Application Information
Program only accepts applications for fall admission

Application Deadlines
Fall - May 15

Full-time/Part-time Option
Full-time option only