



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
 Associate Professor, Department of Neuroscience

Program Coordinator

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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



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Application Information

Program only accepts applications for fall admission

Application Deadlines

Fall - May 15

Full-time/Part-time Option

Full-time option only

