

Integrative Neuroscience, MS

The Master of Science in Integrative Neuroscience (https://neuro.georgetown.edu/academic-programs/ms_neuroscience/) curriculum includes an extensive integrated overview of neuroscience, statistics, experimental design, and technical approaches. The standard master's curriculum can be complemented by a laboratory research track or the Concentration in Biomedical Science Policy & Advocacy.

- Modality: On Campus
- Academic Policies and Procedures: BGE Handbook (https://docs.google.com/document/d/1rkaOm8U_1eVwabvkl_HFvpfSWrMGnrc6Ex41erxP7g/edit?usp=sharing)
- Contact the Program (<https://neuro.georgetown.edu/contact/#MS-in-Integrative-Neuroscience>)

This program is offered through Biomedical Graduate Education (BGE) (<https://biomedicalprograms.georgetown.edu/>) at Georgetown University School of Medicine.

Requirements

Students must complete 30 credits of coursework, including 19 credits of required courses and 11 credits of elective courses. Elective courses can be chosen to complement the core curriculum and the research internship or policy capstone, and can be selected from other GUMC departments. If there is a course of particular interest to a student that does not appear on the curriculum elective list, they may submit a request to the Program Director to designate the course as an approved elective.

No Concentration Requirements

Code	Title	Credits
Required Courses		
INNS 6000	Critical Readings in Neuro I	1
INNS 6300	Translational Neuroscience	2
INNS 6400	Exp Approaches & Techniques	2
INNS 6500	Basic Neuroscience I	4
INNS 6001	Critical Readings in Neuro II	1
INNS 6201	Imaging in Neuroscience	2
INNS 6501	Basic Neuroscience II	4
INNS 6007	Molec Mech of Neurodegeneration	3
Elective Courses		11
INNS 6003	Applied Eng for Behav Neurosc	
INNS 6310	Principles of Neuroimmunology	
INNS 9000	Research Practicum I	
BIOL 5798	Synaptic Transmission	
BSPA 6603	S&T in Global Arena	
BSPA 6606	Public Policy for Scientists	
BHTA 7800	Globl Infectious Dis: Int Pers	
NSCI 6003	Functional MRI: Theory & Pract	
NSCI 6006	Computational Neuroscience	

PBIO 6602	Biomedical Career Pathways	
PSYC 5003	Cognitive Neuroscience	
INNS 6301	Neurobiology of Drug Addiction	
INNS 6205	AI for Neuroscience Research	
INNS 6303	Cognitive Neuroscience & Aging	
INNS 9001	Research Practicum II	
BSPA 7005	Science Diplomacy&World Health	
NSCI 5008	Org of the Nervous System	
Total Credits		30

Biomedical Science Policy & Advocacy Concentration Requirements

Code	Title	Credits
Required Courses		
INNS 6000	Critical Readings in Neuro I	1
INNS 6300	Translational Neuroscience	2
INNS 6400	Exp Approaches & Techniques	2
INNS 6500	Basic Neuroscience I	4
BSPA 6603	S&T in Global Arena	4
INNS 6001	Critical Readings in Neuro II	1
INNS 6201	Imaging in Neuroscience	2
INNS 6501	Basic Neuroscience II	4
INNS 6007	Molec Mech of Neurodegeneration	3
BSPA 7005	Science Diplomacy&World Health	2
BSPA 7907	Biomed SciPol Capstone Project	3
Elective Courses		2
INNS 6003	Applied Eng for Behav Neurosc	
INNS 6310	Principles of Neuroimmunology	
INNS 9000	Research Practicum I	
BIOL 5798	Synaptic Transmission	
BSPA 6606	Public Policy for Scientists	
BHTA 7800	Globl Infectious Dis: Int Pers	
NSCI 6003	Functional MRI: Theory & Pract	
NSCI 6006	Computational Neuroscience	
PBIO 6602	Biomedical Career Pathways	
PSYC 5003	Cognitive Neuroscience	
INNS 6301	Neurobiology of Drug Addiction	
INNS 6205	AI for Neuroscience Research	
INNS 6303	Cognitive Neuroscience & Aging	
INNS 9001	Research Practicum II	
NSCI 5008	Org of the Nervous System	
Total Credits		30

Additional Requirements

- Review & complete all items on the BGE New Student Checklist (<https://biomedicalprograms.georgetown.edu/students/new-students/>) before classes begin
- Attend the MS in Integrative Neuroscience Orientation
- Sign up to take the required Initial General Laboratory Safety Training Course (<https://ehs.georgetown.edu/training/>) before entering the labs

Related Programs

- Neuroscience, PHD (<http://coursecatalog.georgetown.edu/programs/neuroscience-phd/>)