

Typical Curriculum

The 32-credit Masters degree program typically consists of one year of fundamental course work followed by one year of thesis research and teaching.

Year 1: Fall

Medical Gross Anatomy
Medical Neuroscience

Year 1: Spring

Vesalius 1: Teaching in the Biomedical Sciences
Professional Skills
Journal Club
Elective(s)

Year 2: Fall and Spring

Experimental Design & Statistical Methods
Vesalius 2: Teaching Apprenticeship
Vesalius 3: Teaching Practicum
Research leading to a thesis
Electives as desired



<http://www.bumc.bu.edu/anatneuro/>



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Master of Science
Anatomy & Neurobiology
Vesalius Program



<http://www.bumc.bu.edu/anatneuro/>

Program Overview

The Vesalius Masters in Anatomy & Neurobiology is a rigorous two-year program that prepares our graduates for PhD programs, Medical School, technical careers and/or teaching at the graduate level in the biomedical sciences. Masters students take one year of advanced courses that are part of the Boston University School of Medicine and Graduate School curriculum and subsequently participate as Teaching Fellows in these courses through our Vesalius Teaching Program. During the second year of the program students obtain scholarly and scientific expertise through the generation of a Masters thesis that is based on original research under the mentorship of department faculty. Thus, students in the program benefit from taking first year medical and graduate courses in the biomedical sciences, the opportunity to conduct primary biomedical research, and a significant amount of one-on-one mentoring.



"The professional and personal relationships I have formed in the Department have been an integral part of my academic journey"

Research

Find your Research Passion at BU

The Department of Anatomy & Neurobiology is internationally recognized for its strong research programs in neuroscience and for its innovative discoveries over the past 50 years.

Our research laboratories use state-of-the-art research methods to explore wide-ranging areas of neuroscience in both animal models (rodents and non-human primates) and humans alike; such as:

- Structure, organization, and function of cerebral systems in health and disease
- Neural basis of cognitive decline in aging and age-related disorders
- Cortical development in the normal and disordered brain
- Mechanisms of neuronal plasticity that underlie cognition
- Structural correlates of cognitive changes seen in Alzheimer's and other neurodegenerative diseases.

Vesalius Teaching Program

Masters students have the unique opportunity to participate as Teaching Fellows in Departmental courses under the mentorship of our award-winning faculty. As a result of this training, our graduates are widely recognized and in-demand for their excellence in teaching in the anatomical sciences and in neuroscience.

Student Life

The Boston University Medical Campus is located in the vibrant South End neighborhood of Boston. BUMC is known for its rich history, culture, and community, and it is located in an area surrounded by shops, restaurants, nightlife and a thriving arts community. Our students have the opportunity to become involved in many extracurricular activities, organizations and committees that have a real impact on our Department and campus.



Statement on Diversity

Our Department is committed to the purposeful cultivation of an academic community that is representative of society, and the inclusion of individuals of all backgrounds, traditions and individual differences. We believe this diversity enriches our teaching, mentoring and research missions.

