MASTER OF SCIENCE IN ANATOMY AND NEUROBIOLOGY - VESALIUS PROGRAM
MASTER OF SCIENCE IN ANATOMY AND NEUROBIOLOGY

Program Overview

The M.S. in Anatomy and Neurobiology — Vesalius Program is a one-of-a-kind program that is nationally recognized for preparing world-class educators in the biomedical sciences who possess an excellent understanding of the anatomical sciences and best practices in teaching. Students in the program benefit from 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. In addition to becoming educators at top colleges and medical schools, many program graduates have also gone on to pursue careers in medicine, enter doctoral programs, or pursue academic research full time.

Following foundational coursework, students have the opportunity to choose from a variety of hands-on teaching experiences such as:

- Designing and presenting a lecture
- Leading small group discussion sessions
- Laboratory teaching
- Designing advanced lessons in existing courses
- Co-leading a graduate seminar

All students in the program complete an independent research project that culminates in a research thesis. In the second year of the program students complete a Mentored Teaching Project, working closely with our faculty to refine their teaching techniques.

Program Highlights:

- 32-credit program designed to be completed with two years of full-time study
- Unique curriculum combines advanced teaching courses with one-on-one mentoring
- Small class sizes create a very collaborative learning experience
- All students conduct primary biomedical research in one of the research laboratories in our Department at Boston University School of Medicine
- Instruction provided by experienced and award winning faculty who are active researchers in their fields of study
- Transition from student to teacher after first year of foundational learning
- Prior experience with teaching and/or research is helpful, but not mandatory
- The program is referred to as the Vesalius Program, in honor of Andreas Vesalius, a Brussels anatomist and physician considered the founder of the discipline of Anatomy
- The degree is awarded by the Division of Graduate Medical Sciences at Boston University School of Medicine
Curriculum

The core curriculum prepares students to master anatomy content and neurobiological principles, and then incorporate these lessons into their teaching.

Required Courses

Medical Gross Anatomy 8 credits
Medical Neuroscience 4 credits
Experimental Design and Statistical Methods 2 credits
or Elementary Biostatistics
Vesalius I: Teaching in the Biomedical Sciences 2 credits
Vesalius II: Teaching Apprenticeship 2 credits
Vesalius III: Mentored Teaching Project 2 credits
Research Colloquium 2 credits
Professional Skills for Students in the Biomedical Sciences 2 credits
One Departmental Elective Course (see list below) 2 – 4 credits

Choose One of the Following:

Cognitive Neuroscience 4 credits
Methods of Neuroscience 4 credits

Teaching Opportunities:

Students are required to serve as a Teaching Assistant for 40 hours in the second semester of their first year, or in their second year, for one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Term Offered</th>
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<tbody>
<tr>
<td>Medical Gross Anatomy</td>
<td>Fall</td>
</tr>
<tr>
<td>Anatomy for Dental Students</td>
<td>Spring</td>
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Elective Courses (2-4 credits):

Students are able to select one or more course(s) from within the Department of Anatomy and Neurobiology and other Departments on the Medical Campus. Please visit our website for a complete list of elective courses.
Admissions

Enrollment in the M.S. in Anatomy and Neurobiology – Vesalius Program is offered each Fall to a select group of students. Applications for the Fall class must be completed and submitted no later May 1. In general, the Admissions Committee looks for students who have a strong interest in neurobiology, anatomy and teaching. Many previously admitted students have also had prior research experience, though this is not a requirement for admission.

Admissions Requirements

In addition to completing the program’s online application students must also submit:

- An official transcript of each college or university attended
- Official test results for the GRE or MCAT for U.S. residents, or TOEFL* results for international students
- Three letters of recommendation from faculty or people who have supervised their academic work and/or your research
- A personal statement that describes your qualifications and objectives for the program
- To apply to the program, please visit bu.edu/gms and click on Admissions

* International applicants are encouraged to use the internet-based version of the TOEFL test. The Admissions Committee generally looks for a total score of about 100 or higher on this test. A score of about 550 or higher is required on the paper-based test. The IELTS exam may be substituted for the TOEFL. A score of 6.5 or higher is generally needed for the IELTS. No English language exam is needed if you obtained a bachelor’s or master’s degree in the United States or in another country where all courses were taught in English.

Tuition, Financial Aid and Student Resources

For the most up to date information on tuition and fees please visit www.bumc.bu.edu/gms/students/financing-options. The Financial Aid Office at Boston University School of Medicine is available to assist students in identifying sources of financial support including subsidized and unsubsidized student loans. A limited number of scholarships are awarded each year to highly qualified students.

The BU Office of Housing Resources provides information regarding housing, transportation, and Boston neighborhoods. For more details, visit www.bumc.bu.edu/ohr.

For more information about the program please contact:

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