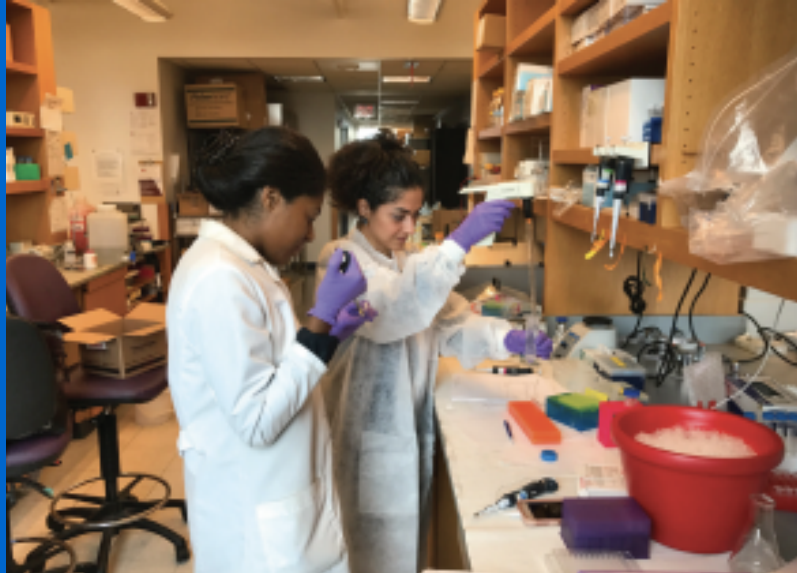


Master of Science in Nutrition & Metabolism



Program Overview

The Nutrition and Metabolism master's program prepares students for careers in clinical, epidemiologic, and laboratory-based scientific research as well as future professional studies in fields such as medicine, dentistry, and doctoral-level research in academics and industry. Other students join our program to gain graduate level training following completion of an undergraduate degree in nutrition and dietetics. Our students come with a wide range of other majors from their undergraduate studies (e.g., biology, biochemistry, biomedical sciences, nutrition sciences, molecular/cell biology, health sciences

Nutrition and metabolism is a growing field of biomedical science that applies knowledge of basic biology and chemistry to enhance our understanding of how the body uses energy and nutrients in food and how this affects health and disease.

The program's interdisciplinary curriculum includes integrated studies of biochemical and molecular nutrition, clinical nutrition research, and epidemiology. In addition to learning essential principles of nutrition and metabolism, students develop the critical thinking skills needed to understand and evaluate biomedical research literature and to participate in carrying out that research.

Future career paths include lab management, medicine, dentistry, medical writing, coordinating or directing of nutrition-related clinical or epidemiologic studies in academic settings, or in the pharmaceutical industry, food or nutraceutical industries, local and federal government programs, and non-profit organizations.

Program Highlights

- Nationally and internationally recognized faculty who study nutritional and metabolic aspects of obesity, diabetes, heart disease, cancer, bone health, and more
- Small classes with many small group discussions
- High levels of mentoring to support each student's success
- Focus on critical thinking skills
- Easy access to [faculty](#)
- Opportunity to conduct sophisticated research under the guidance of a faculty mentor

Program Description

- Requires 32 credits (28 course credits and a minimum of 4 research credits)
- Completion of degree in 4 semesters over the course of 1 or 2 years
- Part-time study is available
- Research thesis required
- May begin program in the fall or spring semester

Curriculum

Course	Credits
*Molecular, Biochemical and Physiological Bases of Nutrition I: Energy Balance and Micronutrients	4 credits
*Molecular, Biochemical and Physiological Bases of Nutrition II: Macronutrients	4 credits
*Research Design and Statistical Methods for Biomedical Sciences	3 credits
*Clinical Nutrition Research	3 credits
*Nutrition & Metabolism Seminar	3 credits
Physical Activity and Metabolism	3 credits
*Nutrition & Metabolism Research (Thesis Work)	4 credits
Directed Study (by arrangement)	2-4 credits
Elective Coursework (selected according to interests)	11 credits

Admissions

Admissions decisions are made on a rolling basis for both the spring and fall semesters. Early applications are encouraged. Later applications will be considered on a space-available basis.

Admissions Requirements

- Completion of standard pre-medical science classes (i.e., biology, general chemistry, and at least one semester of organic chemistry). Other beneficial courses may include biochemistry, cell and molecular biology, physiology, and other basic sciences.
- Transcripts from every college attended
- Three letters of recommendation. Research mentors and course instructors are best.
- No minimum GPA is required.
- Prior research experience in the form of courses or independent research, while not mandatory, is beneficial. (You may wish to describe any such experience in your personal statement.)
- International students from non-English speaking countries must provide a test of English language proficiency (i.e., TOEFL/IELTS/Duolingo).
- For additional information: <https://www.bumc.bu.edu/gms/admissions/>

Tuition, Financial Aid and Student Resources

- For current tuition and fees, please visit our website: <https://www.bumc.bu.edu/osfs/cost-ofattendance-bot/graduate-medical-sciences/>
- Students will incur additional costs for housing, health insurance, and personal expenses
- Partial-tuition Provost scholarships are available to 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

Contact

Lynn L. Moore, DSc, MPH

Director, Nutrition & Metabolism
72 E. Concord St.
Instructional Building, L-514
llmoore@bu.edu

Jude Deeney, PhD

Associate Director, Nutrition & Metabolism
650 Albany St.
Evans Biomedical Research Center
jdeeney@bu.edu

Marika Groussis

Program Administrator
72 E. Concord St.
Instructional Building, L5
marikagr@bu.edu