



# HARVARD MEDICAL SCHOOL

## MASTER OF MEDICAL SCIENCES IN IMMUNOLOGY

### MISSION

The mission of the HMS Master of Medical Sciences in Immunology (MMSc IMM) is to provide a solid, instructional and research-based foundation in both Basic and Clinical Immunology. Courses will start with the fundamentals and rapidly progress to cutting-edge knowledge, all taught by world-renowned faculty members in the Program in Immunology at Harvard. This program will serve the needs both of students with a strong undergraduate biology background with an interest in medicine and seeking deeper knowledge of immunology, as well as those of academic physicians from a range of specialties who seek an in-depth knowledge of Immunology in order to further their professional goals and research expertise.

### PROGRAM DESCRIPTION

The HMS MMSc IMM is a two-year program with two primary goals:

1. To give students a solid foundation in Basic and Clinical Immunology in order to better understand how a new revolution is currently occurring in the treatment of numerous diseases and conditions including immunodeficiencies, allergies, chronic inflammatory diseases, transplantation and cancer.
2. To provide students with comprehensive tools and protected time to engage in mentored research on important issues in either Basic or Clinical Immunology depending on their inclinations. This will entail working with leading Harvard faculty and will cumulate in a Master's Thesis.

### ELIGIBILITY

The HMS MMSc IMM is open to individuals with a Bachelor's degree with a strong background in biology and an interest in Immunology, Medicine, or Biomedical research, as well as to individuals who already possess a medical degree, such as an MD, a DO or an MBBS, or to individuals who have a degree in a health professions-related field.

### CREDIT REQUIREMENTS

Students must earn 64 credits, generally meeting the requirements with 32 credits of course work and 32 credits of mentored research.

### CURRICULUM:

#### Year one:

- Molecular and Cellular Immunology at Harvard College
- Principles of Immunology at Harvard Medical School
- Advanced Principles of Immunology at Harvard Medical School
- Methods in Basic and Clinical Immunology at Harvard Medical School (for MMSc IMM students only)
- Longitudinal Seminar Course (for MMSc IMM students only)
- 1 or 2 elective courses (4 credits)

The foundational research work will begin in the spring semester of the first year and continue until completion.

#### Year two:

Students will primarily be devoted to:

- Completing their mentored research
- Analyzing their data
- Writing their results and defending their thesis

For all students, the mentored research experience will comprise 32 credits.

### HOW TO APPLY

The application cycle for Fall 2016 is now open. Applicants must submit a letter of intent, no more than 3 pages in length, describing their interest in the program and their qualifications. In addition, we also require a CV, official transcript(s) and three letters of recommendation. Students with a BS or BA must submit either MCAT or GRE scores. The TOEFL is required for graduates for whom English was not the method of instruction.

For more information, email [mmsc\\_imm@hms.harvard.edu](mailto:mmsc_imm@hms.harvard.edu) or visit <http://mmscimmunology.hms.harvard.edu>