

Microbiology & Immunology, PHD

Through the Ph.D. in Microbiology & Immunology (<https://microbiology.georgetown.edu/academics/phd-program/>), students learn the dynamics of the host/parasite relationship, including the host defense systems, and the relationship of microorganisms to diseases. Upon graduation, students have a firm foundation in methods, tools, and techniques for a career in research as well as mentorship from Georgetown University faculty who are leading experts in the field.

The program is customized to the student's interests. Upon entering the program, students will meet with their advisors to plan their coursework and select laboratories for research rotations.

- 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://microbiology.georgetown.edu/contact-dept/#phdmicb>)

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

Requirements

Students are required to complete 34 credits, in which 26 credits of required courses and 8 credits of electives.

Comprehensive exams are completed in the fall semester of the second year of the program.

By the end of the second year, students are engaged in full-time research. Second year and onward students are required to present their research in our department seminars (MICB 6853) every Spring semester of their attendance. Upon completion of the research project, a thesis is written and defended.

Code	Title	Credits
Required Courses		
BCMC 5001	BIOCHEM & CELLULAR SCIENCES	4
BCMC 5028	CORE METHODS IN MOLECULAR BIO	3
BCMC 5390	MOLECULAR CELL BIOLOGY	3
MICB 6120	Immunology	3
MICB 6140	Bacteriology & Mycology	3
MICB 6190	Biology/Biochem of Viruses	3
MICB 6290	Mech of Microbial Pathogenesis	3
MICB 9999	Thesis Research ¹	0
NSCI 5007	Surv Skills & Ethics for Scien	2
NSCI 5009	Practical Data Anlys & Exp Des	2
Elective Courses		8
Laboratory Rotations		
MICB 9985	MICB Lab Rotation Summer	0
MICB 9986	MICB Lab Rotation Fall	0

MICB 9987	MICB Lab Rotation Spring	0
Total Credits		34

¹ In order to maintain the required full-time status, PhD students who have completed their coursework but have not yet taken their comprehensive exams must register for MICB 9999 Section 01. Students with at least one, but less than 9 credits of coursework, must register for MICB 9999 Section 03.

Related Programs

- Microbiology & Immunology, MS (<http://coursecatalog.georgetown.edu/programs/microbiology-immunology-ms/>)