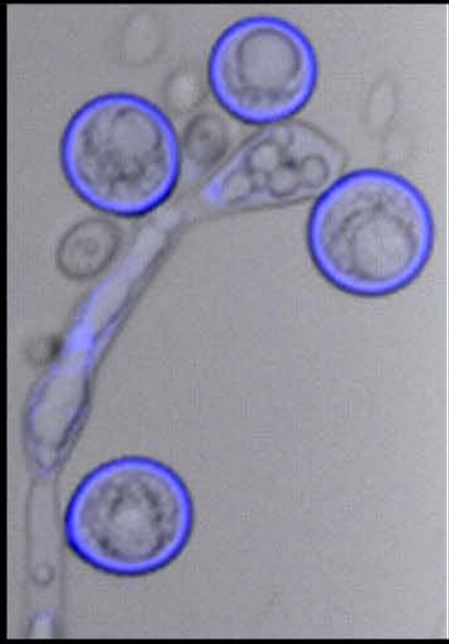




Georgetown University

Department of Microbiology & Immunology



Master's Programs

M.S. Biomedical Science Policy & Advocacy

This new degree aims to provide students with an understanding of policy principles as well as familiarity with essential concepts in the field of biomedical science. We feel that this dichotomy is essential for making educated and effective decisions in the crucial field of science policy today. From stem cell research to bioterrorism, science has quickly come to the forefront of the global health and security agenda and the policy decisions we make as a society will affect us for years to come.

M.S. Biohazardous Threat Agents & Emerging Infectious Diseases - Online Certificate also available -

The M.S. program aims to broaden the student's knowledge about biohazardous threat agents as well as emerging infectious diseases. Global communication and transportation systems have evolved to a point where once rare diseases can be isolated outside their initial or natural epicenter, and this program addresses the knowledge gap in the science of biohazardous agents and infectious diseases facing the world community. The curriculum also contains graduate coursework in the Microbiology of Biohazardous Threat Agents and Emerging Infectious Diseases, Biosurveillance, Defense Threat Reduction, Agroterrorism and includes lectures by national and international experts.

M.S. Microbiology & Immunology

The department offers a flexible program of study designed to help students achieve their individual educational goals and career objectives. A broad range of course offerings from within the department and University allows the student to gain or enhance their background in microbiology, immunology, and various aspects of modern molecular genetics. Laboratory experience in specialized techniques is also available. The program is intended to enhance career advancement in teaching and industry or prepare a student for a career in research.

Fall Semester:

MICB – 515 Microbiology of Biological Threat Agents and Emerging Infectious Diseases [3] *
MICB – 603 Science and Technology in Global Arena [4]
MICB – 606 Public Policy for Scientists [3]
MICB – 612 Immunology [3] *
MICB – 800 Global Infectious Diseases Interdisciplinary Seminar [2]

Note: Of the two Electives (*) you must choose one to fulfill your core course requirements.

Spring Semester:

MICB – 601 Seminar in Science Policy & Advocacy [2] *
MICB – 604 Innovation Systems in Science, Technology & Health [2]
MICB – 801 Global Infectious Diseases Interdisciplinary Seminar [2]
BIOL – 362 Shaping National Science Policy [3]
HEST – 445 Globalization and Healthcare [3] *
STIA – 445 Politics of International Health [3] *
STIA – 449 Health in Conflicts/Crises/Disasters [3] *

Note: Of the four Electives (*) you must choose two to fulfill your core course requirements.

Fall Semester:

MICB – 515 Microbiology of Biological Threat Agents & Emerging Infectious Diseases [3]
MICB – 517 Bioterrorism [3] *
MICB – 519 Sociological Perspectives in Biodefense [3]
MICB – 525 Homeland Security 2015 [3] *
MICB – 551 Seminar: Biohazardous Threat Agents & EID [1]

Spring Semester:

MICB – 516 Biological & Radiological Safety [2]
MICB – 520 Agroterrorism [3]
MICB – 524 Emerging Diseases: Past as Prologue [2]
MICB – 526 Chemical Threat Agents [3]
MICB – 550 Pathogenesis & Therapy of Bioterror- Related Diseases [2] *
MICB – 556 Defense Threat Reduction Initiatives [2]

(*) Electives

Online Certificate Courses:

CBTA – 515 Microbiology of Biological Threat Agents & Emerging Infectious Diseases [3]
CBTA – 517 Bioterrorism [3]
CBTA – 519 Sociological Perspectives in Biodefense [3]
CBTA – 525 Homeland Security 2015 [3]

Fall Semester:

MICB – 612 Immunology [3]
MICB – 614 Bacteriology and Mycology [3]
BCHB – 528 Modern Methods in Molecular Biology [3]
BCHB – 513 Core Concepts: Biochemistry [4]

Spring Semester:

MICB – 619 Biology/Biochemistry of Viruses [3]
MICB – 629 Mechanisms of Microbial Pathogenesis [3]

Example Electives:

MICB – 518 Principles of Biodefense
MICB – 524 Emerging Diseases: Past as Prologue
MICB – 551 Seminar: Biohazardous Threat Agents & EID
MICB – 622 Advanced Techniques in Microbiology
MICB – 800 & 801 Seminar: Global Infectious Diseases
MICB – 852 Seminar: Microbiology & Immunology

BCHB – 521 Bioinformatics
CBIO – 539 Molecular Cell Biology
INTH – 444 Global Patterns of Disease
NURS – 518 Biomedical Ethics

Graduate Program Information & Qualifications

Minimum undergraduate GPA of 3.0 (on a 4.0 scale) is required

Application Form Non-refundable Application

Fee Statement of Purpose Resume/CV (including publications if applicable)

Official Transcripts

Official Recommendations (3)

GRE Score Report (General only); MCAT score report is an acceptable substitution

TOEFL or IELTS scores, if applicable

Application Deadlines:

Fall Semester: June 1st

Spring semester: November 1st

Online Application: http://grad.georgetown.edu/pages/apply_online.cfm

Further Information: <http://microbiology.georgetown.edu/masters/>

Financial Aid : <http://finaid.georgetown.edu/index.htm>

Off-Campus Housing: <http://www.georgetown.edu/housing.html>

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