



Infectious Diseases and Vaccinology M.P.H. Program School of Public Health, UC Berkeley

M.P.H. Degree Program

The Masters in Public Health Degree (M.P.H.) in the area of concentration of Infectious Diseases and Vaccinology (IDV) provides a basic course of study of infectious diseases in the context of public health. IDV is a multidisciplinary program with a curriculum designed to emphasize the biology and molecular biology of host-pathogen interactions; host immune response to infection associated with protection or pathology; the ecology, evolution, and transmission of infectious agents; methods of laboratory-based surveillance and the epidemiology of infectious diseases.

The objectives of this program are: to understand the manifestations, mechanisms, and agents of infectious diseases; conduct laboratory analyses; implement diagnostic and surveillance techniques, biostatistics, and epidemiology; and identify current surveillance agencies and public health problems.

The program is a practice-based, full-time two year professional degree that prepares students to be leaders in public health practice settings nationally and globally. Graduates from this program will qualify for positions in federal, state, and local health departments; community-based organizations; health care organizations; and research institutes.

M.P.H. Curriculum Requirements

Breadth requirements include a first semester broad overview of the public health field and a last semester integrative breadth course, as well as courses in Biostatistics

and Epidemiological Methods. IDV core requirements include courses in Principles of Infectious Diseases, Host-Parasite Interactions, Infectious Disease Laboratory, Current Issues in Infectious Diseases, and Molecular Immunology.

IDV advanced courses: Two are required from Molecular Biology of Animal Viruses, Parasitology, Advanced Virology, Foodborne Diseases, Molecular Cellular Basis of Bacterial Pathogenesis.

Financial Support

This is a self-funded program. Some of the financial support sources available for MPH students to help fund their education, aside from taking out student loans include competitive fellowships as nominated by the Program; Graduate Student Instructor (GSI) or Graduate Student Researcher (GSR) positions; and on/off campus Work Study positions.

Admissions

Applicants must have a Bachelor's degree as well as:

- GPA of 3.0 (minimum)
- GRE and TOEFL scores (if applicable)
- Demonstrated competence in English

Final selection will depend on the faculty's ranking of all applicants based on academic record, intellectual potential, preparation, letters of recommendation, and overall promise.

Further Information

Please visit our website to learn more:

<http://microbe.berkeley.edu/programs.htm>

To apply: <http://sph.berkeley.edu/admissions/how-to-apply>