

Infectious Diseases/Zoonoses MPH Emphasis for DVM Students

The MPH degree coupled with the DVM allows you to work with both animal and human health with a focus on animal agriculture, food industry concerns, emerging infectious diseases, and the environment.

Understanding zoonotic diseases is becoming vitally important as the World Health Organization (WHO) reports that 75% of the new diseases affecting humans have been caused by pathogens originating from animals or animal by-products. One Health is a public health issue that has increased opportunities for DVM/MPH professionals who can address both human and animal health.

Unique Features	Curriculum	For more information
<ul style="list-style-type: none"> You can pursue your DVM and MPH degrees at the same time. A maximum of 12 DVM credits may be used toward the MPH degree. You can start the MPH the summer BEFORE you start Vet school. The MPH is offered through a mix of online and in-person classes taken in conjunction with your DVM classes. It is possible to complete the MPH degree with only one or two additional semesters at K-State. The MPH program is accredited through the Council on Education for Public Health (CEPH). 	<p style="text-align: center;">42 credits</p> <p style="text-align: center;"><i>Core Curriculum (15 credit hours)</i></p> <ul style="list-style-type: none"> MPH 701 – Fundamental Methods of Biostatistics (3 hrs) MPH 720 – Administration of Health Care Organizations (3 hrs) MPH 754 – Introduction to Epidemiology (3 hrs) MPH 802 – Environmental Health (3 hrs) MPH 818 – Social and Behavioral Bases of Public Health (3 hrs) <p style="text-align: center;"><i>Emphasis Curriculum</i></p> <ul style="list-style-type: none"> +21 hours from the IDZ curriculum (12 of which may be transferred from DVM classes) <p style="text-align: center;"><i>Field Experience</i></p> <ul style="list-style-type: none"> MPH 840 – Field Experience (6 hrs) in a non-academic setting 	<p style="text-align: center;">k-state.edu/mphealth</p> <p style="text-align: center;">Program Director: Ellyn Mulcahy, PhD, MPH 311 Trotter Hall emulcahy@vet.k-state.edu 785-532-2117</p> <p style="text-align: center;">Program Assistant: Barta Stevenson, MS 311 Trotter Hall barta@vet.k-state.edu 785-532-2042</p> <p style="text-align: center;">No application deadline! But you do have to be admitted BEFORE you can enroll in MPH classes</p> <p style="text-align: center;">Feel free to stop in and see us!</p>

What Can You Do With the MPH?

Our MPH graduates are working all over the world from Africa to Uzbekistan to private veterinary practices to local and state health departments.



Infectious Diseases/Zoonoses – DVM MPH

Application and Admission Process

Eligible students must hold a BS degree with a preferred cumulative GPA of 3.0/4.0 in the last 60 hours of coursework.

Required Submissions

- **Narrative Statement of Objectives** describing education and public health experiences along with professional career goals.
- **Official transcripts** from each institution attended. (Copies are allowable if you submitted originals for your Vet School application.)
- **GRE Scores**
- **Three letters** of recommendation from persons qualified to assess your academic work, public health or professional experiences or leadership potential in public health.

No Deadline, applications are accepted continuously. Apply at least 1-2 months before you want to enroll in MPH classes.

Completed applications are reviewed by an emphasis area admissions committee and applicants are notified of the decision via e-mail from the MPH Program, and if accepted, the Graduate School will also e-mail you with enrollment instructions.

MPH website:
k-state.edu/mphealth

To apply go to:
k-state.edu/grad/

Sample MPH Projects

- Policy in the Making: Establishing Public Policy for Complex Animal Diseases
- Veterinary Contributions to Public Health Extend Beyond the Clinic with the U.S. Army Public Health Command
- Exploring Characteristics of Vaccinated Dogs that Fail to Achieve an Adequate Level of Rabies Virus Neutralizing Antibodies
- Exploring Frontiers at the United States-Mexico Border
- Hand Hygiene Campaign at Lafene Health Center
- Sexually transmitted disease management assessment for the Central Flint Hills region
- A look into the emphasis physicians, veterinarians, and pregnancy educators place on providing Toxoplasmosis information for pregnant patients or clients

Sample Field Experience Sites

- One Health Coordination Center, USDA-APHIS
- U.S. Army Public Health Command, Fort Relvoir District
- New Mexico Department of Health Office of Border Health
- Fort Riley Department of Public Health
- Riley County Extension
- North Carolina Department of Health and Human Services
- Kansas Department of Health and Environment – State Veterinarian
- USDA APHIS Veterinary Service
- Kansas Department of Agriculture – Division of Animal Health
- Mongolia V.E.T. Net NGO
- U.S. Army Veterinary Corps

Sample Graduate Placements

- USDA APHIS – Highly Pathogenic Avian Influenza Response team in Iowa
- Banfield Pet Hospital
- USDA APHIS Veterinary Services
- Private Practice
- Clinical Research Coordinator
- Boehringer Ingelheim Vetmedica, Inc. as site veterinarian
- PhD programs

Typical Transfer Courses

(Up to 12 credit hours may transfer from the DVM curriculum. Course credit hours may vary depending on when you took the course.)

- DMP 708 – Veterinary Epidemiology (2 hrs)
- DMP 705 – Principles of Veterinary Immunology (3 hrs)
- DMP 712 – Veterinary Bacteriology and Mycology (3 hrs)
- DMP 718 – Veterinary Parasitology (4 hrs)
- DMP 722 – Veterinary Virology (3 hrs)
- DMP 753 – Veterinary Public Health (2 hrs)
- DMP 801 – Toxicology (2 hrs)
- DMP 816 – Trade and Agricultural Health (2 hrs)