



# K-State MPH Fact Sheet



## Emphasis in Infectious Diseases/Zoonoses

The primary objective is to prepare leaders for zoonoses protection programs, investigation of new and emerging infectious diseases, strengthening the public's ability to respond to bioterrorism and biosecurity emergencies, and coordinating rapid response activities among government, agriculture industries, non-profit organizations, and academia. Note: DVMs or current DVM students, may transfer up to 12 credit hours from an AVMA accredited College of Veterinary Medicine DVM curriculum to the MPH degree requirements.

### “Core” requirements (14 or 16 credit hours)

Each student in the MPH Program must complete these required public health core courses:

- **Biostatistics:** [STAT 701](#) Fundamental Methods of Biostatistics (3 credit hrs)
- **Environmental health sciences:** [DMP 806](#) Environmental Toxicology (2 credit hrs)
- **Epidemiology:** 2 options:
  - a. [DMP 754](#) Introduction to Epidemiology (3 credit hrs) **OR**
  - b. [DMP 708](#) Veterinary Epidemiology (2 credit hrs) **and** [DMP 854](#) Intermediate Epidemiology (3 credit hrs) (TOTAL of 5 credit hours)
- **Health services administration:** [HMD 720](#) Administration of Health Care Organizations (3 credit hrs)
- **Social and behavioral sciences:** [KIN 818](#) Social and Behavioral Basis of Public Health (3 credit hrs)

### Electives (20 or 22 credit hours)

In addition to the above, students must select their remaining courses from the following or other graduate courses as approved by the major professor, supervisory committee and the MPH Program director.

- [DMP 705](#): Principles of Veterinary Immunology (3)
- [DMP 712](#): Veterinary Bacteriology and Mycology (4)
- [DMP 718](#): Veterinary Parasitology (4)
- [DMP 722](#): Veterinary Virology (3)
- [DMP 753](#): Veterinary Public Health (2)
- [DMP 770](#): Fund Cncpts in Emrg Patho Diseases (3)
- [DMP 801](#): Toxicology (2)
- [DMP 805](#): Toxins in Biological System (2)
- [DMP 809](#): Problems in Toxicology (1-3)
- [DMP 815](#): Multidisciplinary Thought and Writing (3)
- [DMP 816](#): Trade & Agricultural Health (2 – online)
- [DMP 830](#): Quantitative Analysis (3)
- [DMP 845](#): Food Safety Risk Analysis (3 – online)
- [DMP 849](#): Pathologic Technique & Diagnosis (1-3)
- [DMP 850](#): Domestic Animal Immunology (3)
- [DMP 854](#): Intermediate Epidemiology (3)
- [DMP 856](#): Advanced Veterinary Parasitology (3)
- [DMP 860](#): Pathogenic Mechanisms (3)
- [DMP 870](#): Seminar in Pathobiology (MS) (1)
- [DMP 871](#): Molecular Diagnostics of Inf Diseases (3)
- [DMP 880](#): Problems in Pathobiology (MS) (1-3)
- [DMP 880](#): Pblms in Path ([DMP 712](#) lecture only) (3)
- [DMP 954](#): Advanced Epidemiology (4)
- [ASI 540](#): Principles of Animal Disease Control (3)
- [BIOL 529](#): Fundamentals of Ecology (3)
- [BIOL 545](#): Human Parasitology (3)
- [BIOL 546](#): Human Parasitology Laboratory (1)
- [BIOL 609](#): Cellular & Molecular Biol of Human Dis (3)
- [BIOL 625](#): Animal Parasitology (4)
- [BIOL 640](#): Population Biology (3)
- [BIOL 670](#): Immunology (4)
- [BIOL 671](#): Immunology Laboratory (2)
- [BIOL 687](#): Microbial Ecology (3)
- [BIOL 730](#): General Virology (3)
- [BIOL 840](#): Molecular & Cell Immunology (3)
- [FDSCI 690](#): Principles of HACCP (2)
- [FDSCI 730](#): Multidisc Overview FS & Sec (2 – online)
- [FDSCI 915](#): Food Toxicology (2)
- [GEOG 508](#): Geographic Information Systems I (3)
- [GEOG 708](#): Geographic Information Systems II (3)
- [MC 740](#): Health Communication Campaigns (3)
- [STAT 704](#): Analysis of Variance (2)
- [STAT 705](#): Regression and Correlation Analysis (2)
- [STAT 710](#): Sample Survey Methods (2)
- [STAT 713](#): Applied Linear Stat Models (2)
- [STAT 716](#): Nonparametric Statistics (2)
- [STAT 717](#): Categorical Data Analysis (3)
- [STAT 720](#): Design Experiments (3)
- [STAT 725](#): Intro to SAS Computing (1)
- [STAT 730](#): Multivariate Stat Methods (3)

### Capstone/culminating experience (6 credit hours)

### Total hrs required for MPH Degree (42 hours)