



## Emphasis in Infectious Diseases/Zoonoses For DVMs or Current DVM Students

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: Up to 12 credit hours from an AVMA accredited College of Veterinary Medicine DVM curriculum may be applied to the MPH degree requirements, one of them being DMP 708 (or equivalent epidemiology course).

### “Core” requirements (16 credit hrs)

- [STAT 702](#) – Statistical Methods for Social Sciences (3 hrs) OR [STAT 703](#) – Statistical Methods for Natural Scientists (3 hrs)
- [DMP 806](#) – Environmental Toxicology (2 hrs)
- [DMP 708](#) – Principles and Methods of Epidemiology (2 hrs)
- [DMP 854](#) – Disease Epidemiology (3 hrs)
- [HMD 720](#) – Administration of Health Care Organizations (3 hrs)
- [KIN 818](#) – Social and Behavioral Basis of Public Health (3 hrs)

### Electives (20 credit hrs)

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.

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| <ul style="list-style-type: none"> <li>• <a href="#">DMP 770</a> – Fundamental Concepts in Emerging Pathogenic Diseases (3 hrs)</li> <li>• <a href="#">DMP 801</a> – Toxicology (3 hrs)</li> <li>• <a href="#">DMP 809</a> – Problems in Toxicology (1-3 hrs)</li> <li>• <a href="#">DMP 815</a> – Multidisciplinary Thought and Writing (3 hrs)</li> <li>• <a href="#">DMP 816</a> – Trade &amp; Agricultural Health (2 hrs – online)</li> <li>• <a href="#">DMP 830</a> – Quantitative Analysis (3 hrs)</li> <li>• <a href="#">DMP 849</a> – Pathologic Technique and Diagnosis (1-3 hrs)</li> <li>• <a href="#">DMP 850</a> – Domestic Animal Immunology (3 hrs)</li> <li>• <a href="#">DMP 860</a> – Pathogenic Mechanisms (3 hrs)</li> <li>• <a href="#">DMP 870</a> – Seminar in Pathobiology (MS) (1 hr)</li> <li>• <a href="#">DMP 871</a> – Molecular Diagnostics of Infectious Diseases (3 hrs)</li> <li>• <a href="#">DMP 880</a> – Problems in Pathobiology (MS) (1-3 hrs)</li> <li>• <a href="#">DMP 954</a> – Advanced Epidemiology (4 hrs)</li> <li>• <a href="#">ASI 540</a> – Principles of Animal Disease Control (3 hrs)</li> <li>• <a href="#">BIOL 529</a> – Fundamentals of Ecology (3 hrs)</li> <li>• <a href="#">BIOL 545</a> – Human Parasitology (3 hrs)</li> <li>• <a href="#">BIOL 546</a> – Human Parasitology Laboratory (1 hr)</li> <li>• <a href="#">BIOL 609</a> – Cellular and Molecular Biology of Human Diseases (3 hrs)</li> </ul> | <ul style="list-style-type: none"> <li>• <a href="#">BIOL 625</a> – Animal Parasitology (4 hrs)</li> <li>• <a href="#">BIOL 670</a> – Immunology (4 hrs)</li> <li>• <a href="#">BIOL 671</a> – Immunology Laboratory (2 hrs)</li> <li>• <a href="#">BIOL 687</a> – Microbial Ecology (3 hrs)</li> <li>• <a href="#">BIOL 730</a> – General Virology (3 hrs)</li> <li>• <a href="#">BIOL 731</a> – Virology Laboratory (2 hrs)</li> <li>• <a href="#">BIOL 805</a> – Advanced Mycology (3 hrs)</li> <li>• <a href="#">FDSCI 690</a> – Principles of HACCP (2 hrs)</li> <li>• <a href="#">FDSCI 730</a> – Multidisc Overview Food Safety and Security (2 hrs – online)</li> <li>• <a href="#">FDSCI 915</a> – Food Toxicology (2 hrs)</li> <li>• <a href="#">GEOG 508</a> – Geographic Information Systems I (3 hrs)</li> <li>• <a href="#">GEOG 708</a> – Geographic Information Systems II (3 hrs)</li> <li>• <a href="#">STAT 704</a> – Analysis of Variance (2 hrs)</li> <li>• <a href="#">STAT 705</a> – Regression and Correlation Analysis (2 hrs)</li> <li>• <a href="#">STAT 710</a> – Sample Survey Methods (2 hrs)</li> <li>• <a href="#">STAT 716</a> – Nonparametric Statistics (2 hrs)</li> <li>• <a href="#">STAT 717</a> – Categorical Data Analysis (3 hrs)</li> <li>• <a href="#">STAT 720</a> – Design of Experiments (3 hrs)</li> <li>• <a href="#">STAT 730</a> – Multivariate Statistical Methods (3 hrs)</li> <li>• <a href="#">STAT 735</a> – Statistics in Health Related Industries (2)</li> </ul> |
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### Capstone/culminating experience (6 credit hrs)

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