

## Requirements for MS Degree in Veterinary Public Health-Epidemiology

*UPDATED: July 2015*

Minimum 32 hours are required per university regulations for a thesis degree.

Minimum 36 hours are required per university regulations for a non-thesis degree.

<b>General Core Courses</b>			<b>Credit Hours</b>
STAT	651	Statistics in research I	3
VIBS	608	Epidemiologic methods I	4
VIBS	650	Graduate education	1
VIBS	681	Seminar	1-4
VIBS	684/685	Internship/directed studies (non-thesis option only)	Var (8 max)
VIBS	691	Research (thesis option only)	Var (8 max)
 <b>Elective Courses*</b>			 <b>Credit Hours</b>
ENTO	618	Medical and veterinary entomology	3
ENTO	625	Landscape ecology	3
ESSM	689	Quantitative methods in ecology, evolution, biography	3
FSTC	606	Microbiology of foods	3
FSTC	657	HAACP	3
GEOG	651	GIS for resource managers	3
GEOG	652	Advanced topics in geographic information systems	3
HLTH	605	Health research methods	3
HLTH	607	International health	3
PHEB	600	Fundamentals of epidemiology	3
PHEB	602	Biostatistics I	3
PHEB	603	Biostatistics II	3
PHEB	606	Survival analysis	3
PHEB	609	Categorical data analysis	3
PHEB	614	Analysis of longitudinal multi data	3
PHEB	615	Disaster epidemiology	3
PHEB	618	Spatial epidemiology	3
PHEB	619	Infectious disease epidemiology	3
PHEB	624	Social epidemiology	3
PHEB	689	Survey & missing data analysis	3
PHEB	689	Methods in field epidemiology	3
PHEO	600	Principles of environmental/occupational health	3
PHEO	610	Basic environmental toxicology	3
PHEO	612	International environmental health	3
SOCI	623	Measurement of sociological parameters	3
SOCI	624	Qualitative methodology	3
STAT	607	Sampling	3
STAT	636	Methods in multivariate analysis	3
STAT	652	Statistics in research II	3
STAT	653	Statistics in research III	3
STAT	659	Applied categorical data analysis	3

VIBS	607	Applied epidemiology	4
VIBS	610	Epidemiologic methods II	4
VIBS	615	Food hygiene	4
VIBS	619	Food toxicology II	3
VIBS	633	Animal diseases in comparative medicine	3
VIBS	670	Basic environmental toxicology	3
VIBS	689	Special topics in epidemiology and public health (various)	1-4
VPAR	601	Parasitology	4
VPAT	601	Comparative pathology	4
VTMI	601	Fundamentals of pathobiology	5
VTMI	619	Molecular methods in microbiology	3
VTMI	643	Pathogenic bacteriology	4
VTMI	645	Host-agent interaction	3
VTMI	647	Virology	4
VTMI	649	Immunology	3
VTMI	689	Risk assessment	3
WFSC	624	Dynamics of populations	4

\*Or equivalent courses as determined by the student's advisory committee. Some of the courses listed are not taught every semester and students should consult with their advisory committee to identify appropriate addition/substitution courses as necessary.

### **Technical Writing**

Depending on the assessment of the student's writing skills by his/her advisory committee, completion of a technical writing course may be required.