PATHOBIOLOGY (MS)

The Department of Pathobiology offers two graduate degrees: Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) in Pathobiology, with areas of concentrations in Bacteriology, Virology, and Pathology, as well as an M.S. degree in Pathobiology with an area of concentration in Veterinary Anatomic Pathology. Faculty research focuses on infectious diseases of animals and humans, vaccines, veterinary pathology, and wildlife diseases. Many faculty are members of the Center of Excellence for Vaccine Research (CEVR), which provides a unifying consortium for vaccine research at the University of Connecticut. The department also provides service to the University and citizens of the State of Connecticut through integration with the Connecticut Veterinary Medical Diagnostic Laboratory. The Veterinary Anatomic Pathology M.S. program is open only to students with the D.V.M/V.M.D. degree.

Location

- Storrs Campus

Modality

- In Person

Requirements
Master of Science

For the areas of concentration in Bacteriology, Pathology, and Virology, students can follow either Plan A (thesis) or Plan B (non-thesis) options. For the Plan A, Master of Science degree, 21 credits of coursework and nine credits of GRAD 5950 Master's Thesis Research or GRAD 5960 Full-Time Master's Research are required. For the Plan B, Master of Science degree, 30 credits of coursework followed by a comprehensive exam are required. All courses used to meet the degree and concentration requirements must be approved by the student's major advisor. For the M.S. degree with an area of concentration in veterinary anatomic pathology, students must take the following courses:

Course	Title	Credits
PATH 5303	Veterinary Pathology Lecture Series	1-3
PATH 5392	Practicum in Veterinary Anatomic Pathology	3
PATH 5394	Veterinary Pathology Seminar	2
PATH 5594	Current Veterinary Pathology Literature	1

Learning Objectives

1. Knowledge: MS students will demonstrate graduate-level knowledge of key concepts, methods, and current issues in Pathobiology and explain how these concepts apply to biological and biomedical problems.
2. Applied Skills: MS students will apply established methods and analytical approaches in Pathobiology to interpret data, solve discipline-relevant problems, and use techniques ethically and professionally in laboratory or applied settings.
3. Communication: MS students will communicate scientific information effectively in written and oral formats by constructing coherent explanations or arguments grounded in evidence and appropriate to specialist or non-specialist audiences.