

GRADUATE CERTIFICATE IN FUNDAMENTALS OF VETERINARY CLINICAL CARE DISEASES

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate program.

The Graduate Certificate in Fundamentals of Veterinary Diseases will provide students with a foundation in common diseases found in veterinary medicine. Students will gain knowledge in diagnostic imaging and its relevance in a disease process, immunology, infectious diseases, dental diseases, degenerative diseases, metabolic diseases, neoplastic diseases, and clinical pathology. Student population would include individuals applying to veterinary school, looking to increase their application credentials and knowledge base prior to attending a veterinary program. Veterinary technicians looking to advance their knowledge and skills in the workplace would also benefit from this graduate certificate.

Finally, students who are interested in the Master of Science in Veterinary Clinical Care, Plan B program can initially apply for the graduate certificate and transfer into the program if they choose to proceed with the whole program.

Students interested in graduate work should refer to the Graduate and Professional Bulletin (<http://catalog.colostate.edu/general-catalog/graduate-bulletin/>).

Learning Objectives

Successful graduates will be able to:

1. Identify and categorize common pathologies within veterinary medicine.
2. Differentiate normal from abnormal imaging of domestic animal cases.
3. Explain the immunological processes associated with various normal status and diseases presented.
4. Compose a list of differentials for common diseases and clinical signs present in veterinary medicine.
5. Explain and analyze the various diseases presented in domestic animals.

Requirements Effective Spring 2025

Additional coursework may be required due to prerequisites.

Code	Title	Credits
VS 503	Principles of Radiology and Ultrasound	2
VS 504	Infectious Pathogens and Parasites	3
VS 506	Pathologic Basis of Disease	3
VS 547	Common Diseases of Body Systems I	3
VS 548	Common Diseases of Body Systems II	3
Program Total Credits:		14