

GRADUATE CERTIFICATE IN VECTOR-BORNE DISEASES

Vector-borne and zoonotic diseases continue to emerge and re-emerge, threatening human and animal health. This comprehensive certificate program in Vector-Borne Diseases (VBD) aims to provide CSU graduate students with a solid foundation in vector-borne diseases, equipping them with the knowledge and skills in this disciplinary area for careers in fields such as public health, vector control, and epidemiology.

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

Learning Objectives:

Upon successful completion, students will be able to:

1. Explain the role of arthropods in the spread of emerging vector-borne pathogens, including the description of transmission cycles of prominent vector-borne diseases, and how vector physiology and host-pathogen interaction contribute to pathogen transmission.
2. Apply vector control and epidemiologic principles in the context of managing emerging vector-borne diseases.