

Veterinary Science Certificate Program

The United States faces a national shortage of paraprofessionals who are trained in the One Health approach to provide support for professionals in human, environmental and animal medicine.

IMPACT STATEMENT

This national program addresses a need in the veterinary paraprofessional workforce by providing training toward eventual professional certification. It offers job placement assistance for veterinary paraprofessionals who come out of the program. The program also contributes to economic development in urban and rural areas. Adoption and expansion are ongoing in multiple states.

THE CHALLENGE

The United States faces a national shortage of paraprofessionals who are trained in the One Health approach to provide support for professionals in human, environmental and animal medicine. Additionally, One Health and laboratory science and technology are new areas of interest at the high school and community college levels. The National Academy of Sciences Veterinary Workforce Study identified that, “primary veterinary services are still needed in rural areas, but often these communities cannot financially support positions for full-time food animal veterinarians, leaving gaps in animal care and raising concerns about the level of animal disease surveillance in the field. The veterinary professional should formulate new ways of delivering cost-effective services to rural America, using veterinary technicians to extend animal health services to underserved areas.”

THE SOLUTION

The Veterinary Science Certificate Program is designed to educate, train and certify secondary education students as paraprofessionals for human, environmental and animal health. The program includes a One Health component that integrates human, animal and environmental health sciences. It emphasizes the public health and regulatory aspects of zoonotic and transboundary diseases. Currently, no other secondary veterinary science program in the United States has the depth and scope of the developed Institute for Infectious Animal Diseases (IIAD) curriculum, which integrates and includes core sciences, clinical medicine, One Health and laboratory science in 150 lessons.





**educate.
train.
certify.**

Provides students with the knowledge, motivation and skills necessary to pursue their educational and career goals.



FEATURES AND BENEFITS

- Provides students with the knowledge, motivation and skills necessary to pursue their educational and career goals.
- Offers a sound platform for students who wish to pursue an associate, undergraduate, graduate or professional degree in veterinary sciences.
- Open to students at participating high schools and 4-H programs, and also as an independent self-study program.
- Designed for eventual use at three levels: youth organizations (e.g., 4-H and FFA), high schools and community colleges.
- Ranks among the largest sets of resources available to students and teachers who wish to enter the paraprofessional realm.

TECHNOLOGY TRANSITION

The program has been made available to: state-level education leaders, national FFA, state veterinary associations and credentialing committees, 4-H directors and veterinary technology program leadership. The curricula will be integrated in career education projects of 4-H programs, secondary vocational education courses at public and private schools, and post-secondary vocational education courses at community colleges across the country.

Contact PRINCIPAL INVESTIGATORS

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