The primary goal of the MVS degree program is to develop critical thinking skills, instill the desire to be life-long learners, and increase the depth and breadth of veterinary professional knowledge for food-producing animal industries. It aims to develop the skills needed to thrive in multiple career paths including specialized clinical practice, academia, industry, government, and clinical research. The Master of Veterinary Science with a major in Livestock Systems Health is a 32-hour program that will take approximately two years to complete. Design of the program focused on students currently in the workforce.

Elective courses will include but are not limited to the following subject areas:

- Pathogen biology
- Immunology and Medical Microbiology
- Epidemiology and animal health economics
- Infectious disease control and management
- Systems management and systematic approaches to problem solving