

Master of Science
**VETERINARY
BIOMEDICAL
SCIENCE**





WHY VETERINARY BIOMEDICAL SCIENCE?

This program prepares early-career students for jobs related to animal health and provides advanced training for working professionals interested in expanding their knowledge and skills in animal health. Students learn about animal physiology and important diseases affecting animals today, while developing a stronger appreciation for animals and their relevance to human health. Graduates also are prepared to be the next generation of leaders in animal health — having the interdisciplinary skills in technology, business and more to solve problems in industry, academic institutions or governmental agencies.

With the thesis and non-thesis options and a variety of emphasis areas in the program, students can design an advanced degree that best fits their interests and professional goals.

Program advantages

- Work with experts in a variety of disciplines.
- Tailored for working professionals with evening, weekend, online and on-campus class options.
- Immediately start coursework before becoming fully enrolled in the program.
- Flexible, customizable program of study.



CURRICULUM OVERVIEW

Students may select an emphasis area or choose a variety of electives to diversify skills and knowledge. A minimum of 30 credit hours is required to complete the veterinary biomedical science degree.

Topics include:

- Infectious diseases
- One Health/Global health issues
- Immunology
- Epidemiology
- Pharmacology
- Toxicology
- Environmental toxicology
- Clinical pharmacokinetics
- Biotechnology
- Regulatory compliance for animal drugs and vaccines
- Professional communications and business skills
- Business project management
- Statistical analysis and experimental design

Visit olathe.k-state.edu/vbs for a comprehensive list of curriculum topics according to focus area.

FREQUENTLY ASKED QUESTIONS

Is there a graduate admission test or GRE required?

GRE scores provide supporting evidence of qualification. However, the GRE may be waived with two years of industry experience.

What kind of undergraduate training prepares students for this program?

Sufficient training in biology, strong background in biochemistry and documented academic achievement are important requirements. Most incoming students have degrees in animal science, microbiology, biology, biochemistry, pharmacology, genetics or food science.

How long will it take me to complete the program?

Most full-time students should be able to complete the degree in two years, but you can take up to six years to complete the degree.

When should I begin the application process as a degree-seeking student?

You should begin the application process for admissions at least three months prior to the semester you are applying for.

Where do veterinary biomedical scientists work?

By gaining increased knowledge and skills in animal health through the program, graduates are prepared for careers in the animal health industry, an academic institution or at a state or federal agency. A majority of our enrolled students are seeking advanced training to become top-level scientists and senior-level administrators.

LEARN MORE

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