

COMPARATIVE BIOMEDICAL SCIENCES

Overview

Program Information

The College of Veterinary Medicine strengths and areas of emphasis in research graduate training include, but are not limited to discovery and translational solutions for (i) infectious diseases and immunology, (ii) physiological sciences, (iii) forensic sciences, (iv) microbiology, virology, and parasitology, (v) zoo medicine (vi) aquatic animals and ecosystem health, (vii) livestock and wildlife population health, (viii) equine gastroenterology; (ix) orthopedic bioengineering using animal models, (x) clinical and translational research in selected disciplines such as cardiology, dermatology, oncology, and ophthalmology, and (xi) novel diagnostic and therapeutic applications to improve human and animal health using artificial intelligence. UF CVM is uniquely situated to pursue these investigations with emphasis on non-human species, and in comparative medicine in animals and humans.

The Doctor of Philosophy (Ph.D.) with a major in Comparative Biomedical Sciences is structured to be completed (in-residence) in four to five years. PhD students will take 90 credits of coursework, including 14 credits in required courses: VME 6937L VMS Graduate Seminar Series or equivalent (6 credits), VME 6767 Responsible Conduct in Research or equivalent (1), Grant Writing (1), Statistics (3), Biochemistry or Molecular Biology (3). The Qualifying Exam will be completed within seven terms after enrollment. At the end of the graduating semester, the PhD candidate must successfully complete a final examination or defense.

The Master of Science with a major in Comparative Biomedical Sciences is structured to be completed (in-residence) in two years. Master's students will take 30 credits of coursework. At least 12 of the 30 credits must be in the major, including 8 credits in required courses: VME 6937L VMS Graduate Seminar Series or equivalent (1 credit), VME 6767 Responsible Conduct in Research or equivalent (1), Statistics (3), and Biochemistry or Molecular Biology (3). At the end of the graduating semester, the student must successfully complete a final defense of the thesis.

Degrees Offered

DEGREES OFFERED WITH A MAJOR IN Comparative Biomedical Sciences

- Doctor of Philosophy (Ph.D.)
- Master of Science (M.S.)