

MASTER OF SCIENCE IN BIOMEDICAL SCIENCES, PLAN B, ANATOMICAL AND PHYSIOLOGICAL SCIENCES SPECIALIZATION

The Master of Science in Biomedical Sciences, Anatomical and Physiological Sciences Specialization, Plan B with choice of an option is a one-year, non-thesis, coursework-intensive program, with core classes in gross anatomy, physiology, and neurobiology. The program requires the completion of 32 credits and culminates in written comprehensive exams. While much of our coursework prepares students for the rigors of professional school, the curriculum allows for flexibility of electives for students interested in a wide variety of careers.

Students interested in graduate work should refer to the Graduate and Professional Bulletin (<https://catalog.colostate.edu/general-catalog/graduate-bulletin/>). Visit the Department of Biomedical Sciences (<https://vetmedbiosci.colostate.edu/degree-programs/graduate/ms-biomedical-sciences/anatomical-and-physiological-sciences/>) for more information.

Learning Objectives

Students will:

1. Acquire comprehensive knowledge of biomedical science principles by integrating material from core courses in anatomy, physiology, and neuroscience. They will accurately identify and describe anatomical structures using precise terminology and explain key physiological principles, demonstrating their ability to synthesize concepts across these core disciplines.
2. Cultivate advanced critical thinking skills to analyze, interpret, and evaluate novel problems. They will synthesize information from coursework to formulate and communicate well-reasoned solutions.
3. Actively engage in collaborative work, effectively contributing to group projects, study groups, and discussions. They will integrate diverse perspectives from their peers to solve complex problems and communicate collective solutions clearly and efficiently.
4. Develop strong communication skills, effectively conveying complex biomedical concepts in both written and oral formats. They will tailor their communication to diverse audiences, ensuring clarity and precision in presenting scientific information.