

# DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS

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**More Information:** <http://physiology.case.edu/>

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The Department of Physiology and Biophysics is a multidisciplinary department that takes great pride in its history of conducting research and training graduate students. The department includes 23 Primary and 20 Secondary faculty members, more than 25 post-doctoral associates, and over 200 full-time PhD, MD/PhD, and Master of Science degree students. The training programs are designed to provide a mentored training environment that maximizes faculty-student interaction.

As outlined below, the department offers PhD, MD/PhD, and Master of Science degrees. These programs are tailored to prepare students for successful careers in biomedical, pharmaceutical and industrial research. The department offers multiple graduate-level programs, each of which uses state-of-the-art molecular, cell biology, and biophysical approaches to study physiological questions at a variety of different organizational levels. The goal is to provide an outstanding training opportunity. The major goals of the PhD and Tech Masters programs are to provide students with a broad knowledge base in organ systems and integrated physiology and in-depth expertise and outstanding research potential in the fields of cellular and molecular physiology and molecular and cellular biophysics. These goals are accomplished using a series of foundation and advanced topic courses, skill development courses, laboratory rotations, and thesis research. The MS in Medical Physiology program is a post-baccalaureate program designed to help students prepare for admission to medical, dental, pharmacy, or veterinary school or for opportunities to work in the biotechnology industry.

## Programs

- Aerospace Physiology, Graduate Certificate
- Aerospace Physiology, Graduate Certificate (Online)
- Aerospace Physiology, MS
- Aerospace Physiology, MS (Online)
- Medical Physiology, MS
- Medical Physiology, MS (Online)
- Physiology and Biophysics, PhD
- Physiology, MS

## Dual Degrees

- Business Administration, MBA/Medical Physiology, MS
- Medical Scientist Training Program (MSTP), PhD/Medicine, MD