MEDICAL PHYSIOLOGY, MS

Degree: Master of Science (MS)
Field of Study: Medical Physiology

Program Overview
The Master of Science Program in Medical Physiology is designed for students with at least a bachelor's degree in a chemical, physical, or biological science who are seeking advanced training in the physiological sciences, typically in preparation for admission to a professional medical program (e.g. Medical School, Dental School).

Graduate Policies
For graduate policies and procedures, please review the School of Graduate Studies section of the General Bulletin.

Program Requirements
The program is flexible in duration. It can take as little as 1 year (3 semesters including summer) to complete the required 32 credit hours of course work. However, students who wish to decompress the program can take 22 months or more to complete the requirements. Core courses and flexible electives allow students to focus their work in key areas of medical physiology. Graduates of the Medical Physiology MS Program also can pursue careers in basic and clinical research, research administration, teaching or management in academia, the pharmaceutical and biotechnology industries, private research institutions, government science or regulatory agencies, or medicine and health care.

Sample Plan of Study
Non-Thesis Option

First Year
Fall
PHOL 481 Medical Physiology I 6
PHOL 483 Translational Physiology I 3
PHOL 498C Physiology and Biophysics Department Seminar for Medical Physiology Students 1
Hours 10

Spring
PHOL 482 Medical Physiology II 6
PHOL 484 Translational Physiology II 3
PHOL 498D Physiology MSMP Seminar B (Spring Semester) 1
Hours 10

Total Hours 32

Note: If students are starting the program in a term other than Fall, then they should consult with their advisor regarding their plan of study.

Second Year
Fall
Note: Students are recommended to take two electives each term. The following are recommended electives but students should speak to their advisor regarding specific electives.

PHOL 402A Physiological Basis for Disease 3

PHOL 479 Clinical Reasoning: Applied Medical Physiology 3

PHOL 402B Physiological Basis for Disease 3
PHOL 492 Clinical Reasoning II 3

Total Hours 32

Dual Degree Options
• Business Administration, MBA/Medical Physiology, MS

1 This course can be used as 1 of 2 required electives.