

MEDICAL PHYSIOLOGY, MS

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

Program Overview

The Master's 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 Master's 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). 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 Master's 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 Hours

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.

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**

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 ¹	3
PHOL 479	Clinical Reasoning: Applied Medical Physiology ¹	3
Hours		6

Spring

PHOL 402B	Physiological Basis for Disease ¹	3
PHOL 492	Clinical Reasoning II ¹	3
Hours		6

Total Hours **32**

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

Dual Degree Options

- Business Administration, MBA/Medical Physiology, MS