

# MEDICAL PHYSIOLOGY (MS)

The Master of Science in Physiology (MSMP) program at Loyola University Chicago Health Sciences Campus is designed for college graduates who are interested in strengthening their understanding of medical physiology with the intent of enhancing their academic credentials to succeed in their medical school applications and the medical school academic years. The MSMP program is a non-thesis, full-time, nine month special master's program running from early September to late May. Our courses are designed specifically for MSMP students and are classroom-taught by medical school faculty professors who have extensive medical education and admissions experience at Loyola University Chicago Stritch School of Medicine.

MSMP students will pursue intensive studies in M1-level graduate cell physiology, physiological biochemistry, organ system medical physiology, neurophysiology, basic human anatomy, introduction to pathophysiology and clinical bioethics. Our Professional Development course helps each student with all aspects of their applications to medical school. Each student in the MSMP program is assigned a faculty advisor to guide them throughout the program, as well as with their medical school applications. We also provide assistance for students interested in local medical and community volunteer programs.

## Related Programs

### Master's

- Cell and Molecular Physiology (MS) (<https://catalog.luc.edu/graduate-professional/graduate-school/health-sciences/biomedical-sciences/cell-molecular-physiology-ms/>)

### Doctoral

- Cell and Molecular Physiology (PhD) (<https://catalog.luc.edu/graduate-professional/graduate-school/health-sciences/biomedical-sciences/cell-molecular-physiology-phd/>)

### Combined

- Cell and Molecular Physiology (MD/PhD) (<https://catalog.luc.edu/graduate-professional/dual-degree-programs/cell-molecular-physiology-md-phd/>)

## Curriculum

The Master of Science in Medical Physiology requires 30 credit hours of coursework.

Code	Title	Hours
PIOL 417	Cellular Physiology	3
PIOL 421	Function of the Human Body I	4
PIOL 422	Function of the Human Body II	4
PIOL 423	Biochemical Physiology	3
PIOL 430	Basic Human Anatomy	2
PIOL 450	Fundamentals Of Neurophysiology	4
PIOL 461	Introduction to Human Pathophysiology	5
PIOL 500	Professional Development I	3
BEHL 401	Clinical Topics in Bioethics	3
<b>Total Hours</b>		<b>29</b>

## Graduate & Professional Standards and Regulations

Students in graduate and professional programs can find their Academic Policies in Graduate and Professional Academic Standards and Regulations (<https://catalog.luc.edu/academic-standards-regulations/graduate-professional/>) under their school. Any additional University Policies supersede school policies.

## Learning Outcomes

Program graduates will be able to demonstrate ability in:

- Acquiring advanced knowledge and engaging in transformational and critical thinking.
- Producing and disseminating scholarship.
- Demonstrating ethical thinking and responsible conduct.
- Applying principles of social justice to the larger community.