

CELL AND MOLECULAR PHYSIOLOGY (MS)

The Master of Science in Cell and Molecular Physiology (MS CaMP) is a research-intensive program that provides a broad, foundational knowledge of cellular, molecular, and systems-level physiology as well as the opportunity to pursue research with faculty mentors. The MS CaMP program fosters a stimulating and exciting research environment.

Curriculum

The Master of Science in Cell and Molecular Physiology requires 30 semester credit hours and a thesis.

Coursework Requirements

Code	Title	Hours
BMSC 410	Biochemistry and Molecular Biology	4
BMSC 412	Cell Biology	4
PIOL 410	Intro to Research	2
BMSC 405	Ethics in Biomedical Sciences	1
PIOL 401	Physiology ¹	4
PIOL 420	Methods/Technical in Physiological Research	2
PIOL 412	Research	1-6
PIOL 595	Thesis Supervision	0
Total Hours		30

¹ Students may elect to take PIOL 401 in Fall or Spring semester depending on systems of interest. On rare occasions, students may elect to enroll twice with the approval of their PI and the Graduate Program Director. Research hours will be adjusted accordingly.

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/graduate-professional-academic-standards-regulations/>) under their school. Any additional University Policies supercede school policies.

Learning Outcomes

MS CaMP students will be able to demonstrate ability in:

- Gaining a general knowledge base in the biomedical sciences
- Acquisition of deeper knowledge of past and current scientific literature in a more specific field within physiology (i.e., in the chosen track of study)
- Ability to form hypotheses and to design and perform appropriate experiments to test these hypothesis
- Acquisition of oral and written communication skills for scientific peers and general audiences