

PHYSIOLOGY, MS

The Physiology Graduate Program at Tulane University School of Medicine in New Orleans, LA has developed a Master's program specifically designed to provide advanced training and understanding of the functions of the body, and to serve as the foundation for the study of medicine. Successful completion of this one-year program will increase your competitiveness for medical schools or equivalent professional programs. The program includes Advanced Medical Physiology, Neurophysiology, Molecular and Cellular Biology, and Translational Physiology.

Our program will benefit students looking to strengthen their credentials. Students will have various options within our program including:

- opportunities for research
- interaction with faculty across multiple disciplines
- MCAT studies and application preparation
- mock interviews and discussions with admissions director
- physician shadowing

In addition, many of the faculty teaching in our master's program are the same faculty that are teaching our medical students. We feel our program has been instrumental in helping students become more competitive for admission to medical school or other professional programs. On average, approximately 74% of our graduates (2015-2020) have received acceptance letters to medical or equivalent schools. Congratulations to all our graduates; we wish them great success in their future careers!

- Application Information (<https://medicine.tulane.edu/departments/physiology/academic-programs/masters-program/application-information/>)
 - Apply Now (<https://applygrad.tulane.edu/apply/>)
- Course Descriptions (<https://medicine.tulane.edu/departments/physiology/academic-programs/masters-program/course-descriptions/>)
- Curriculum (<https://medicine.tulane.edu/departments/physiology/academic-programs/masters-program/curriculum/>)
- General Student Information (<https://medicine.tulane.edu/departments/physiology/academic-programs/masters-program/general-student-information/>)
- Honors & Awards (<https://medicine.tulane.edu/departments/physiology/academic-programs/masters-program/honors-awards/>)

Requirements

Year 1		Credit Hours
Fall		
GPSO 7175	Med Terminology	3
GPSO 6010	Medical Physiology	6
GPSO 7910	Seminar Physiology	1
GPSO 7350	Translational Physiology	2
Select 1-2 Fall Electives		6-10
Credit Hours		18-22
Spring		
GPSO 7600	Integrative Cardiovascular Physiology	3
GPSO 6060	Experimental Physiol Lab	2
GPSO 7910	Seminar Physiology	1
GPSO 7560	Signal Transduction/Hormone Ac	2
GPSO 7350	Translational Physiology	2
Credit Hours		10
Total Credit Hours		28-32

Fall Electives

Course ID	Title	Credits
BMSP 6070	Advanced Cell Biology	3
GBCH 7500	Human Medical Cellular Biochemistry	5
NSCI 7110	Graduate Neuroscience I	3
GPSO 7180	Selected Topics	1-5

INTD 6010	Responsible Conduct of Research	0
MIIM 7600	Medical Immunology	3

Spring Electives

Course ID	Title	Credits
GPSO 6250	Membrane Physiology	2
GPSO 7320	Renal Physiology	3
GPSO 7980	Research (Independent Study)	3