

MOLECULAR MEDICINE AND HEALTH SCIENCES, MS

Overview

The MS in Molecular Medicine and Health Sciences program is designed for students with a baccalaureate degree in science who are seeking advanced training in the health sciences, typically in preparation for pursuit of a professional degree (e.g., Medical, Dental, Physician Assistant, Pharmacy, and Veterinary Medicine) or for preparation to work in academia or biotech/pharmaceutical industries. This program is also useful to individuals in academia who wish to keep up with recent advances in biomedical science. Foreign medical graduates (FMG) who wish to develop research skills are also encouraged to apply.

The objective of this program is to provide students with the opportunity to study the cellular and molecular mechanisms of human diseases through didactic teaching and research training. Enrolled students can choose between the thesis- and non-thesis- track. The non-thesis track requires 30 credits of coursework with a cumulative GPA of 3.0 or higher to graduate. The thesis track requires a mentored thesis in addition to the coursework. The curriculum is designed not only to improve the credentials of students who are interested in medical, dental, or other health-related professional schools, but also to ease the transition to such professional programs. Additionally, students who choose the thesis track will develop quantitative and qualitative research skills, allowing them to be competitive in employment opportunities in biotech and pharmaceutical industries, as well as in academia.

Questions regarding the program can be addressed to the Program Coordinator (Genevieve Burguières, gburguie@tulane.edu), Program Director (Dr. Haitao Zhang, hzhang@tulane.edu) or Co-Director (Dr. Gilbert Morris, gmorris2@tulane.edu).

Requirements

The Molecular Medicine and Health Sciences, MS non-thesis track requires 30 credits of coursework with a cumulative GPA of 3.0 or higher to graduate. The thesis track requires a mentored thesis in addition to the coursework and cumulative GPA of 3.0 requirements.

Course ID	Title	Credits
Year 1 Fall 15 credits		
BMSP 6050 or BMSP 6070	Advanced Cell Biology - MS Advanced Cell Biology	3
MSCR 7070 or PATH 7070	Molecular Medicine Molecular Medicine	4
PATH 2003	Advances in Pathology Research	1
PATH 6300	Mechanisms of Disease 1	5
Electives		2-5
Year 1 Spring 15 credits		
PATH 2003	Advances in Pathology Research	1
PATH 6310	Mechanisms of Disease 2	5
PATH 6400	Molec & Cellular PATH	4
Electives		2-5
Year 2 Fall (Thesis Track)		
Master's Thesis		
Year 2 Spring (Thesis Track)		
Master's Thesis		
Total Credit Hours		30