

# MEDICAL GENETICS AND GENOMICS, MS

The Hayward Genetics Center offers a 1-year, post-baccalaureate Master in Medical Genetics and Genomics. This multidisciplinary program gives graduates an in-depth understanding of the rapidly advancing field of clinical medical genetics and genomics. It is designed to prepare qualified individuals for careers in the health sciences, and to provide an educational experience that will enhance the opportunity of being admitted into a postgraduate professional school such as medical school, genetic counseling or PhD programs.

- Most of our students are pre-med, and while it varies from year to year, we estimate that over 90% of our graduates who apply to medical school or osteopathy school have been accepted in subsequent years.
- In addition to medical school, graduates from our program have also gone on to other careers including dental school, PhD programs, genetic counseling masters programs, and working with biomedical technology companies.
- The curriculum includes courses that cover the same material as the Tulane Medical School's first year Medical Genetics and Medical Biochemistry courses.
- We offer clinical shadowing opportunities in the Tulane Genetics clinics

To request more information regarding the Masters program please contact:

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## Requirements

The program begins every year in the fall semester and is a **non-thesis degree**. Students must complete a total of 30 hours of coursework and have a cumulative GPA of 3.0 to receive their Master's degree. Students are required to write a literature review paper on a subject in the field of human genetics during their second semester for their Special Topics course. Because our program is intradepartmental, all students will take the same courses and follow the same schedule.

Course ID	Title	Credits
<b>Fall</b>		
HMGN 7010	Grand Rounds in Human Genetics	1
HMGN 7020	Intro to Human Genetics	3
HMGN 7030	Clinical Aspects of Human Genetics I / Clinical Aspects of Human Genetics II	3
HMGN 7040	Human Cytogenetics	3
HMGN 7060	Human Mol. Genetics & Genomics	4

Course ID	Title	Credits
<b>Spring</b>		
HMGN 7010	Grand Rounds in Human Genetics	1
HMGN 7030	Clinical Aspects of Human Genetics I / Clinical Aspects of Human Genetics II	3
HMGN 7050	Medical Biochemistry	3
HMGN 7100	Population Genetics & Genetic Epidemiology	3
HMGN 7950	Advanced Topics in Genomics	3
HMGN 7980	Special Topics	1-6
or HMGN 7990	Special Topics	

**Contact**

For more information, contact the School of Medicine (<https://medicine.tulane.edu/centers-institutes/hayward-genetics-center/masters-medical-genetics-genomics/>).