SCHOOL OF MEDICINE

Overview

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One of the nation's most recognized centers for medical education, Tulane University School of Medicine is a vibrant center for education, research and public service. Celebrating its 175th anniversary in 2009, Tulane School of Medicine is the second-oldest medical school in the Deep South and the 15th oldest medical school in the United States.

Tulane School of Medicine recruits top faculty, researchers and students from around the world, and pushes the boundaries of medicine with groundbreaking medical research and surgical advances. From invention of the binocular microscope to robotic surgeries, Tulane School of Medicine remains at the forefront of modern medical innovation. Tulane School of Medicine is equipping the next generation of medical professionals with the tools to succeed in a rapidly changing world and shape the future of health care. On a daily basis, we strive to meet our mission of "Education, Research and Patient Care: We Heal Communities."

Tulane School of Medicine is fully accredited by the Liaison Committee on Medical Education.

Academic Policies

The School of Medicine's most current academic policies are posted on SOM's website and in the most current student handbook (https://medicine.tulane.edu/sites/medicine.tulane.edu/files/Student%20Handbook%20October10.19.18%20FINAL.pdf); students should also monitor their Tulane email accounts daily for additional information and notices of updates.

Degree Requirements

Graduate

Biomedical Sciences Graduate Program - Master of Science (MS)

One Year Programs (Applications open October 1st)

The one-year M.S. programs are designed to enrich and improve academic credentials of graduates and strengthen their academic foundation for further intellectual development, including entrance into medical, dental, or other health profession-related programs. These programs are offered in the Departments of Anatomy (http://medicine.tulane.edu/departments/structural-cellular-biology/academic-programs), Biochemistry & Molecular Biology (http://medicine.tulane.edu/departments/biochemistry-molecular-biology/academic-programs/masters-1-year), Medical Genetics and Genomics (https://medicine.tulane.edu/centers-institutes/hayward-genetics-center/masters-medical-genetics-genomics), Microbiology & Immunology (http://medicine.tulane.edu/departments/microbiology-immunology/academic-programs/masters), Pathology (http://medicine.tulane.edu/departments/pathology-laboratory-medicine/academic-programs/masters-programs), Pharmacology (http://medicine.tulane.edu/departments/pharmacology/academic-programs/masters-program) and Physiology (http://medicine.tulane.edu/departments/physiology/academic-programs/masters-program).

Two Year Programs (Applications open October 1st)
Two-year, research-intensive M.S. programs are designed to enhance the academic credentials and scientific research experience of graduates and prepare them for careers in academic or industrial research.

The two-year thesis-required program in Biochemistry and Molecular Biology leads to a Master of Biomedical Science in Biochemistry and Molecular Biology degree. Our distinctive program emphasizes student development in five areas to broaden and strengthen their academic foundation, and equips students with basic and advanced lab skills for a career in academic or industrial research.

The MS Clinical Anatomy degree is a 2-year non-thesis program of study of cadaveric dissection-based gross anatomy, embryology, cell biology and histology, and neuroscience leading to a MS degree in Anatomy. It is designed specifically for candidates who wish to develop careers in teaching and research in the anatomical sciences.

The MS Anatomy Research program is a 2-year thesis program of study of gross anatomy, embryology, cell biology, and histology leading to a Master of Science degree in Anatomy by research. It is designed specifically for candidates who wish to develop research careers in biomedical science and medical education.

The Masters in Molecular and Cellular Pathobiology is a full-time two-year thesis-based post-baccalaureate program leading to a Master of Science in Molecular and Cellular Pathobiology. This program is designed to enrich the scientific research experience and improve the academic credentials of students interested in careers in the biotech and pharmaceutical industries, as well as in academia.

**Doctor of Medicine**

The curriculum for the School of Medicine is designed to prepare future physicians with the knowledge, skills, and behaviors required for any specialty field they choose. The pre-clinical curriculum (years 1 and 2) is taught as a series of system-based modules that progress through two phases. In Phase I, the foundational courses of histology, physiology, biochemistry, and genetics, along with foundations in medicine are organized into system-based modules structured to provide normal structure and function, while still maintaining the identity of each course. Phase II begins in the latter portion of Year 1 and provides the foundational knowledge and skills necessary for understanding pathophysiology and disease states, also in system-based modules containing microbiology, immunology, pathology, pharmacology, behavioral and neurosciences, and clinical medicine.

Students begin learning clinical skills early in Year 1. Specialty-based clinical training begins in May of Year 2 and continues throughout most of Year 3. The final phase of the curriculum is designed to help students choose and prepare for their residency choice while enhancing skills in emergency medicine, radiology and cultural competence. The curriculum provides enough flexibility for early and numerous opportunities in community service and service-learning, dedicated time for students interested in dual degrees (MPH, MBA), or mentored research.

**Biomedical Sciences Graduate Program - Doctor of Philosophy**

Tulane's Ph.D. Program in Biomedical Sciences takes an interdisciplinary approach to graduate education and research. There are many ways to shape your Tulane experience to fit your needs and career goals, and our program has an array of options to accelerate, customize, and enrich your education and, ultimately, your career. The program is dynamic, giving you an array of controls that allows you to heavily customize your experience here to suit you.

All PhD students receive a full tuition waiver and a stipend of approximately $30,000 per year for the entire duration of the program, usually between four and seven years.

Students undertaking work for the degree of Doctor of Philosophy should understand that this degree is awarded not for an accumulation of course credits only, but for superior attainment and accomplishment in research. Ordinarily the student is expected to finish the course requirements, 48 hours of credits at a minimum, in two full years of graduate study and complete the dissertation by the fourth year. The student must demonstrate the ability to carry out independent study and research in a chosen field, as evidenced in the dissertation. A minimum of one year of full-time study in residence at Tulane University is required.

In the first two semesters, all students take the identical core curriculum, described below. In conjunction with the course work in the first year, students rotate in 6-week blocks through three of the Program’s participating research laboratories of the student’s choice. This allows students to become more familiar with BMS research and faculty. Students should choose a Dissertation Advisor by the end of the second semester but must choose a Dissertation Advisor by the end of the third semester. Students may choose to further specify their study by choosing an Area of Research Emphasis (a Departmental Track in Anatomy, Biochemistry, Medical Genetics and Genomics, Microbiology and Immunology, Pathology, Pharmacology or Physiology). An area of research emphasis may add further course requirements beyond those required for the Biomedical Sciences PhD degree without specialization.

**Academic Departments**

- Biomedical Sciences Graduate Programs (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program)
- MD Degree Program (https://catalog.tulane.edu/medicine/medicine)