

More Information:

Masters of Medical Science Program

MMS Program Director

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Facts about UTMB Students, Research and our Community

<http://gsbs.utmb.edu/mms/default.asp>



MMS Masters of Medical Science Program



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utmb Health



Institute for
Translational Sciences

MMS

The **Masters of Medical Science (MMS)** Program is a flexible and cost-effective academic opportunity to validate, recognize, and enhance the research experience of *clinicians* wishing to perform biomedical research. The category of *clinicians* encompasses **dentists, veterinarians, and physicians, including residents, fellows, and faculty of UTMB clinical departments**. The program is only open to applicants from within the UTMB community.

The **Masters of Medical Science Graduate Program** provides individualized guidance, training, and support to educate clinicians in critical aspects of biomedical research. The program may also be viewed as part of a path to become a biomedical scientist. These goals are achieved through the following five (5) MMS Program Objectives:

Promote the development of in-depth knowledge of research methodology, data analysis, and critical thinking.

Generate opportunities to interact and collaborate with basic scientists and physician-scientists involved in cutting edge technologies.

Provide a formal research experience with medical applications.

Provide opportunities to develop an awareness of positive social, ethical, and scientific perspectives.

Prepare students for a career in Academic Medicine.

To achieve its objectives, the Masters of Medical Science Graduate Program requires students to:

- Pursue an intensive full-time research experience in one area of biomedical research under the guidance of a mentor and a thesis committee.
- Obtain a solid theoretical foundation in a broad subject area encompassing their focus of research.
- Students will demonstrate knowledge of a defined medical research project by presenting an oral defense examination to the student's thesis committee.
- Although classroom coursework is optional, trainees are encouraged to take relevant courses offered by the GSBS and to participate in seminar series and other educational opportunities offered by the GSBS and the ITS. The curriculum can be tailored to the individual needs of each trainee .

- Develop required technical skills, including bench work, informatics, and statistics, and attain mastery of independent problem solving.
- Register for and complete a minimum of thirty semester credit hours of graduate credit (minimum of one year of full-time studies). Those semesters do not need to be consecutive, and an individualized training plan can be created for each applicant.



RESOURCES FOR OUR MMS PROGRAM STUDENTS/GRADUATES

Clinician-scientists interested in pursuing an academic career in the United States should explore the possibility of applying to a KO8 award from NIH. For more information, visit <http://grants.nih.gov/training/careerdevelopmentawards.htm>.

A MMS student who wishes to obtain information about pursuing a PhD degree may contact the Program Director about this option through the Human Pathophysiology and Translational Medicine Graduate (HPTM) in the ITS. This possible option is only available to the MMS student in the final semester of their program, prior to graduation from the MMS program.

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