THE PROGRAM

The Graduate Program in Clinical Science provides advanced education for students who wish to conduct research in human subjects and populations. The program positions graduates to become future leaders and key members of translational research teams.

Philosophy & Goals

Investigations in humans are essential for understanding human biology and for advancing medicine and public health. The multi-disciplinary Program in Clinical Science leads to the PhD or MS degree, and provides the didactic and experiential education required for the conduct of clinical and translational research. This occurs through the design of an individualized curriculum tailored to the career goals of each student and an original project under the guidance of an appropriate research mentor.

Curriculum and Areas of Concentration

Introductory courses in biostatistics, epidemiology, public health, and research design and methods are required, as well as a seminar course. A Course Advisory Committee for each student guides the choice of other prescribed courses and electives, some of which may be selected from any program in the graduate school.

The Clinical Science program offers four areas of concentration:

- **Clinical Investigation** - Emphasizes patient-oriented research, including the needed understanding and application of basic biological sciences, laboratory methodology, biostatistics, epidemiology, ethics in clinical investigation, study design, and new drug development.

- **Health Services Research** – Develops expertise in methods for assessing and improving the delivery of cost effective and efficient health care, with the aim of enhancing disease prevention, diagnosis and treatment.

- **Biostatistics** - Emphasizes statistical and mathematical analysis of biomedical data. Graduates will be able to design and analyze observational and experimental studies.

- **Health Informatics** - Explores the challenges posed by the dramatic increase in health care information and its associated technologies, and opportunities to access this source of big data for research purposes.

Please refer to the General Information Catalog section for Graduate Requirements for Admission available at https://www.utmb.edu/enrollmentservices/catalog.asp
**MISSION**

**UTMB Health Mission Statement:** UTMB’s mission is to improve health for the people of Texas and around the world by offering innovative education and training, pursuing cutting edge research and providing the highest quality patient care.

**Graduate School of Biomedical Sciences Mission Statement:** The mission promotes the advancement of human understanding and knowledge in health-related disciplines through scholarly teaching and research in the biomedical sciences. Foremost, the Graduate School embraces excellence in all of its academic pursuits and activities. Academic curricula and programs are available that emphasize developing individual leadership, communication, motivation, and scholarship to meet the challenges of today’s society.

### PROGRAM FACTS

**Program:**
- After admission, students work with a faculty advisor to organize a plan of study that will provide the student with the assessment and research skills needed to advance knowledge in Clinical Science
- Required courses include:
  - Biostatistics
  - Introduction to Epidemiology
  - Translational Epidemiology
  - Research Design
  - Ethics of Science
  - Prescribed specialized courses directly applicable to major area of study
- After completing courses and before entering candidacy, PhD students complete a qualifying exam
- A mentored research project is an essential part of the program, and is guided by a PhD Dissertation or MS Thesis Committee, which is directed by the student’s research mentor
- The MS thesis must represent original research, and the PhD dissertation a significant contribution to new knowledge

### ADMISSION REQUIREMENTS

- To be considered for admission to the Clinical Science Doctoral and Masters programs, applicants must provide proof of a bachelor’s degree, graduate degree, or first professional degree (e.g., MD, DDS, JD) from a regionally accredited college or university in the United States, or proof of equivalent degree and training from an acceptable foreign institution of higher education
- Each graduate program has specific requirements, but common factors considered by the admissions committee include, but are not limited to, the following:
  - Undergraduate overall and upper division GPA (above 3.0 preferred)
  - A minimum score on the TOEFL of 550 (paper), 213 (computer-based), or 80 (internet-based), or a minimum score of 6.5 on the IELTS for applicants whose native language is not English
  - Research or other relevant experience
  - Letters of reference
  - Background for and commitment to a career of scholarly endeavor in the field of study
- Final recommendations by the graduate program faculty are based on competitive evaluation of the qualifications of the applicant plus consideration of the availability of space and resources

### WHY UTMB?

**One of the lowest cost programs in Texas**

- Small class sizes
- Low faculty-to-student ratio (1:1)
- Face-to-face courses (No online classes)

### Tuition and Fees

[https://www.utmb.edu/enrollmentservices/future-students/tuition-and-fees](https://www.utmb.edu/enrollmentservices/future-students/tuition-and-fees)

### Scholarships Available

[https://www.utmb.edu/enrollmentservices/resources/scholarships](https://www.utmb.edu/enrollmentservices/resources/scholarships)

### ADA information

Contact: Lela Lockett-Ware, OTR Student ADA Coordinator lvlocket@utmb.edu (409) 747-4818

Accreditation: UTMB Health at Galveston is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the baccalaureate, masters, doctoral, and professional degrees

For more information or to apply, please visit: [https://gsbs.utmb.edu](https://gsbs.utmb.edu)

Graduate School of Biomedical Sciences

(409) 772-2665  |  gsbsrecr@utmb.edu

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**Nondiscrimination, Equal Employment Opportunity and Affirmative Action**

The University of Texas Medical Branch, in compliance with applicable federal laws and regulations, strives to maintain an environment free from discrimination against individuals on the basis of race, color, national origin, sex (including pregnancy), age, religion, disability, sexual orientation, gender identity and expression, genetic information, or veteran status. This includes, but is not limited to, academic program admissions, employment, financial aid, health care services, educational services, and access to UTMB programs, facilities, or services. This applies to all employees and students, and anyone who utilizes UTMB facilities.