



# Tulane University Master of Science in Clinical Investigation Degree Program

*A One-Year Program for Future Clinicians and Researchers*

<http://sph.tulane.edu/epid/ms-ci>

**APPLY NOW!** First ten admitted students receive a \$10,000 scholarship

Tulane University School of Public Health and Tropical Medicine offers a one-year Master of Science in Clinical Investigation (MSCI) degree program through its world-renowned Department of Epidemiology. The MSCI is particularly well-suited for newly graduated pre-medical or medical students who seek a one-year training program to enrich their academic experience in clinical research prior to medical school or medical residency.

## Purpose

The MSCI program provides training in the methods and conduct of clinical investigation for future leaders in patient-oriented research. In addition to traditional instruction in biostatistics, epidemiology and study design, this program will provide students with a strong foundation in ethics and professionalism, while developing skills in critical thinking, communication of scientific findings, leadership, and study management.

This one-year program begins in the Summer and is completed the following Spring. The degree requires a minimum of 36 credits and a thesis.

MSCI graduates are prepared not only to critically appraise the medical literature, but also to engage in the design and implementation of clinical and translational investigations.

## Criteria for Admission to the MSCI Degree Program

- A bachelor's degree from an accredited institution of higher learning.
- Academic achievement – typically a GPA above 3.0 on a 4.0 scale.
- MCAT or GRE scores in the upper percentiles for each section.
- The written Statement of Purpose and Objectives should demonstrate how the applicant's clinical research career goals and interests align with the MSCI degree program.
- Recommendations from three instructors or employers should indicate characteristics for success in clinical research graduate study.

## HOW TO APPLY

Applications should be submitted online via [SOPHAS.org](http://SOPHAS.org)

Constructed in 1894, Gibson Hall is the oldest building on the campus of Tulane University.



## MSCI Coursework

### EPIDEMIOLOGY COURSES (26 CREDITS) INCLUDING:

- Epidemiologic Methods
- Clinical and Translational Research Methods
- Clinical Epidemiology
- Observational Epidemiology
- Clinical Trials: Design, Conduct and Analysis
- Meta-analysis

### BIOSTATISTICS COURSES (6 CREDITS):

- Introductory and Intermediate Biostatistics

### ADDITIONAL COURSES (4 CREDITS) INCLUDING:

- Responsible Conduct of Research

## Graduation Requirements

- All students must complete 36 credit hours
- All students must earn a “B” or better in epidemiologic methods and other advanced epidemiology courses.
- Students must successfully complete a thesis.

## ABOUT THE SCHOOL AND NEW ORLEANS

Established in 1912, the internationally renowned Tulane University School of Public Health and Tropical Medicine is the oldest school of public health in the United States. Tulane SPHTM is located in New Orleans, the most inspiring city in the U.S. with its historical character, cultural events, celebrated attractions, and famous for its culinary and musical traditions. Tulane is a leader in public health education with over 120 faculty active in 76 countries. The Department of Epidemiology offers substantial research expertise in the epidemiology of chronic diseases, infectious diseases, reproductive health, environmental health, genetic and molecular epidemiology, translational and implementation research, clinical trials and epidemiology methodology.

Jackson Square is a historic park in the French Quarter of New Orleans, Louisiana. It was declared a National Historic Landmark in 1960, for its central role in the city's history, and as the site where in 1803 Louisiana was made United States territory pursuant to the Louisiana Purchase.



## At the Completion of the MSCI Program

Students will be poised to emerge as future leaders in clinical and translational research with the following skills:

- Formulate and test study hypotheses
- Choose and compare appropriate study designs to address clinical and translational research questions
- Manage study data and ensure data security
- Perform statistical analyses and interpret study findings
- Clearly and appropriately articulate study findings to the scientific community and beyond
- Perform clinical and translational studies adhering to the utmost of ethical standards and professionalism
- Lead and manage research study teams

## CONTACT

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