



TOURO COLLEGE OF OSTEOPATHIC MEDICINE

Master of Science Interdisciplinary Studies in Biological and Physical Sciences

Harlem Campus

Program Profile

Master of Science
Interdisciplinary Studies in Biological and Physical
Sciences
Harlem Campus

PROGRAM OVERVIEW

- All major courses in the M.S. Program are taught by professors of the Touro College of Osteopathic Medicine.
- M.S. students attend some major courses alongside the current D.O. class.
- Admission to the D.O. Program at Touro College of Osteopathic Medicine is an important feature of this program - typically, 25-35 students qualify for direct admission to TouroCOM each year.
- Conferral of the M.S. degree is contingent on a GPA of 3.0 or higher and a Pass on the Comprehensive Examination.

PROGRAM TIMELINE

- Online applications will be accepted November 1 through June 15. All supporting materials should be received by June 30.
- All M.S. students matriculate in the Fall Semester, and the program must be completed within two semesters:

-Fall Semester begins end of July

-Spring Semester begins early January

-Graduation is early in May

Mission Statement

The Touro College of Osteopathic Medicine is committed to training osteopathic physicians, with a particular emphasis on practicing medicine in underserved communities, and to increasing the number of underrepresented minorities in medicine. We value and support public service, research, graduate medical education, and osteopathic clinical service in the community that will strive to improve health outcomes for those we serve. We will work to educate students through the use of the latest innovative education techniques using summative and formative measures so as to graduate qualified osteopathic physicians.

The Program and its Objectives

The Master of Science program in Interdisciplinary Studies in Biological and Physical Sciences has been carefully designed for students who have the strong ambition to complete a medical education. The program is intended to immerse students in the Medical College Curriculum so that candidates can determine whether the content satisfies their academic curiosity while the Medical College evaluates their potential for professional success.

All courses are offered at the Touro College of Osteopathic Medicine campus in Harlem and are presented by the Medical College Faculty in lecture, workshop and laboratory venues. The major courses include graduate students in the Medical College classroom and laboratory.

Medical College Courses include Anatomy and Embryology, Biochemistry, Genetics, Histology, Immunology and Microbiology, Neuroanatomy and Physiology.

The faculty will encourage students to reach their full potential as they learn to focus on clear objectives in each course. Student performance will be closely followed with frequent evaluations and opportunities for corrections throughout each term.

Admission to the D.O. Program at Touro College of Osteopathic Medicine is offered to students who have met the following standard:

- Completion of the M.S. curriculum
- A GPA of 3.45/4.0 or higher
- A Pass on the Comprehensive Examination

Fall Semester

Course	Description	Credits
CBE 530	Clinical Anatomy and Embryology I	7
CBE 500	Medical Biochemistry	4
CBE 550	Physiology I	4
CBE 510	Histology	5
CBE 620	Law and Ethics in Medicine	<u>1</u>
		21

Spring Semester

Course	Description	Credits
CBE 535	Clinical Anatomy and Embryology II	3
CBE 501	Medical Genetics	3
CBE 551	Physiology II	3
CBE 520	Neuroanatomy	4
CBE 600	Microbiology and Immunology	5
CBE 580	Health and Human Behavior	2
HS 668	Community Service	<u>1</u>
		21

Note: Course designations and credit hours are subject to change without notice.

Touro College of Osteopathic Medicine

**Kenneth Steier, DO
Executive Dean and Professor**

**Arthur Prancan, Ph.D.,
Professor Pharmacology and Physiology
Preclinical Dean
MS Program Director**

**Nadege Dady, Ed.D.
Dean of Student Affairs**

MS Program – Harlem – Administrative Contacts

Arthur Prancan, Ph.D.
Program Director
(646) 981-4612
arthur.prancan@touro.edu

Stacey Fanning, Ph.D.
Assistant Director
(646) 981-4649
stacey.fanning@touro.edu

Raquel Suarez, MBA
Program Coordinator
(646) 981-4565
masters.tourocom@touro.edu

Ana Morillo
Administrative Staff Support
(646) 981-4603
masters.tourocom@touro.edu

Program Faculty

Clinical Anatomy and Embryology I and II

Sushama Rich, M.D., Course Director
Ramona Baez, M.D.
Bedia Castellanos, M.D.
Naveen Kandavalli, M.D.
Carlos Quinteros, M.D.
Luis Vidal, Ph.D

Medical Biochemistry and Medical Genetics

Judith Binstock, Ph.D., Course Director
Mariluz Henshaw, M.D., Ph.D.

Community Service

Jeffrey Gardere, Ph.D., Course Director

Histology

Luis Vidal, Ph.D., Course Director
Piotr Kozlowski, M.D., Ph.D., Lab Director
Olalekan Ogunsakin, M.D., Ph.D

Health and Human Behavior

Jeffrey Gardere, Ph.D., Course Director

Microbiology and Immunology

Stacey Fanning, Ph.D., Course Director
Maysa Azzeh, Ph.D.,
Kathleen DiCaprio, Ph.D.

Law and Ethics in Medicine

Niket Sonpal, M.D., Course Director

Neuroanatomy

Naveen Kandavalli, M.D., Course Director
Ramona Baez, M.D.
Bedia Castellanos, M.D.
Sushama Rich, M.D.
Carlos Quinteros, M.D.
Luis Vidal, Ph.D.

Physiology I and II

Kurt Degenhardt, Ph.D., Course Director
Kamilah Ali, Ph.D
Conrad Fischer, M.D.
Arthur Prancan, Ph.D.

M.S. Program- Application Requirements *Harlem Campus*

Academic requirements for admission to the M.S. Program will be evaluated on an individual basis by the program administrators. An interview by phone, Zoom or during a personal visit to the campus maybe required. The summary of admission requirements follows:

1. Baccalaureate Degree from an Accredited College

At the time the application is filed, applicants should:

- a) Possess an undergraduate science grade point average of at least 3.0 on a 4.0 scale.
- b) Possess an overall grade point average of at least 3.0 on a 4.0 scale.

All foreign transcripts must be accompanied by a recognized evaluation transcript.

2. Prerequisite Courses

Two semesters of Biology w/lab (8 credits)

Two semesters of General Chemistry w/lab (8 credits)

Two semesters of Organic Chemistry w/lab or Biochemistry (7 credits)

Two semesters of Physics w/lab (8 credits)

One semester of Behavioral Science (3 credits)

One semester of Mathematics may include Calculus or Statistics (3 credits)

Two semesters of English Composition (6 credits) if your BA/BS was NOT completed in English

No prerequisite course will be accepted with a grade below 2.0 on a 4.0 scale.

3. Medical College Admissions Test (MCAT) required for DO admission. GRE, DAT, PCAT, etc. will be accepted for MS track only.

4. Three Letters of Recommendation

Two should be written by individuals who can evaluate the applicant's science background. An official letter from the College Premedical Committee may be substituted for the three letters of recommendation.

5. **Send or direct all application materials to:**

Dr. Stacey Fanning
MS Program Assistant Director
Touro College of Osteopathic Medicine
230 West 125th Street, Room 428
New York, NY 10027
(646) 981-4649
masters.tourocom@touro.edu

Please contact the Program Coordinator for questions of application eligibility. Applications will be accepted November 1 through June 15 with all supporting materials due by June 30.

Policy on Admission to Touro College of Osteopathic Medicine

As an outcome of the MS Program, admission to the D.O. Program at Touro College of Osteopathic Medicine is offered to students who have met the standards listed below. Typically, between 25-35 MS graduates are offered direct admission to TouroCOM each year.

- Completion of the M.S. curriculum
- A GPA of 3.45/4.0 or higher
- A Pass on the Comprehensive Examination

Admission to the Touro College of Osteopathic Medicine also requires completion of a background check and completion of all health inventory requirements, and that you met certain technical requirements, which are included in the admissions process for the Medical College.

The Master's Program is a focused educational offering. Admission of graduates of this program to the D.O. program is outside the AACOMAS application process.

Application and Further Information:

<http://tourocom.touro.edu/masters>

For further assistance, please contact:

Raquel Suarez, MBA
MS Program Coordinator
Touro College of Osteopathic Medicine
230 West 125th Street, Room 329
New York, NY 10027
(646) 981-4565
masters.tourocom@touro.edu