



# 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, 30-35 students are offered 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 through April. All supporting materials must be received by June 15.
- 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

<u>Course</u>	<u>Description</u>	<u>Credits</u>
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

<u>Course</u>	<u>Description</u>	<u>Credits</u>
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	6
CBE 580	Health and Human Behavior	2
HS 668	Community Service	<u>1</u>
		22

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

# Touro College of Osteopathic Medicine

**Dean Forstein, D.O., FACOOG**  
Dean and Professor

**Arthur Prancan, Ph.D., Associate 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](mailto:arthur.prancan@touro.edu)

Raquel Suarez  
Program Administrator  
(646) 981-4500 ext.44565  
[masters.tourocom@touro.edu](mailto:masters.tourocom@touro.edu)

Taylor Nixon  
Admissions Coordinator  
(212) 851-1199 ext. 42421  
[masters.tourocom@touro.edu](mailto:masters.tourocom@touro.edu)

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

# Program Faculty

## **Clinical Anatomy and Embryology I and II**

Sushama Rich, M.D., Course Director and Chair  
Ramona Baez, M.D.  
Bedia Castellanos, M.D.  
Naveen Kandavali, 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

## **Health and Human Behavior**

Jeffrey Gardere, Ph.D., Course Director

## **Microbiology and Immunology**

Stacey Fanning, Ph.D., Course Director

## **Law and Ethics in Medicine**

Sushama Rich, M.D., Course Director

## **Neuroanatomy**

Naveen Kandavali, M.D., Course Director  
Ramona Baez, M.D.  
Bedia Castellanos, M.D.  
Sushama Rich, M.D.  
Carlos Quinteros, M.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, Skype or during a personal visit to the campus will be 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 point scale.

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

### **2. Prerequisite Courses**

One year of English Composition (6 credits)

One year of Behavioral Science (6)

One year of Biology w/lab (8)

One year of General Chemistry w/lab (8)

One year of Organic Chemistry w/lab or Biochemistry (8)

One year of Physics w/lab (8)

One year of Mathematics may include Calculus or Statistics (3)

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

### **3. Medical College Admissions Test (MCAT)**

### **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. Arthur Prancan, Program Director**  
**Touro College of Osteopathic Medicine**  
**230 West 125<sup>th</sup> Street, Room 329**  
**New York, NY 10027**  
**(646) 981-4565**  
[masters.tourocom@touro.edu](mailto:masters.tourocom@touro.edu)

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

## **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 30-35 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, MS Program Administrator**  
Touro College of Osteopathic Medicine  
230 West 125<sup>th</sup> street, Room 329  
New York, NY 10027  
(646) 981-4500 ext. 44565  
**[masters.tourocom@touro.edu](mailto:masters.tourocom@touro.edu)**

**Taylor Nixon, Admissions Coordinator**  
Touro College of Osteopathic Medicine  
230 West 125<sup>th</sup> street, Room 329  
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