Master of Science
Interdisciplinary Studies in Biological and Physical Sciences

Program Profile 2014-2015
Master of Science
Interdisciplinary Studies in Biological and Physical Sciences

PROGRAM TIMELINE

• Applications will be accepted from November 17, 2014 until April 15, 2015.

• All M.S. students matriculate in the Fall Semester, and the program is completed within two semesters:

  - Fall Semester begins July 27, 2015
  - Spring Semester begins January 4, 2016
  - Graduation is early June, 2016

PROGRAM OVERVIEW

• All courses in the M.S. Program are taught by professors of the Touro College of Osteopathic Medicine.

• M.S. students attend major courses alongside the current D.O. class.

• Admission to the M.S. Program constitutes provisional acceptance into the D.O. program at Touro College of Osteopathic Medicine. Upon completing the M.S. curriculum, matriculation into the D.O. class is contingent on:

  - A GPA of 3.5/4.0 or higher
  - A grade of Pass on the Comprehensive Examination

• Conferral of the M.S. degree is contingent on completion of all program requirements and a GPA of 3.0 or higher.

Version date: 12/1/2014
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, 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 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, Biochemistry, Embryology, Genetics, Histology, Immunology, 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 this program constitutes provisional acceptance into Touro College of Osteopathic Medicine. Matriculation requires completion of the M.S. curriculum with a 3.5 Grade Point Average (3.5/4.0) and successful completion of the Comprehensive Examination.

Version date: 12/1/2014
### Fall Semester

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<tr>
<th>Course</th>
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<tr>
<td>CBE 530</td>
<td>Gross Anatomy</td>
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<td>CBE 540</td>
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<td>CBE 500</td>
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<td>CBE 550</td>
<td>Physiology I</td>
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<td>CBE 510</td>
<td>Histology I/Cell Biology I</td>
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<td>CBE 620</td>
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### Spring Semester

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<td>CBE 570</td>
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<td>CBE 551</td>
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<td>CBE 511</td>
<td>Histology II/Cell Biology II</td>
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<td>CBE 520</td>
<td>Neuroanatomy</td>
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<td>CBE 600</td>
<td>Microbiology and Immunology</td>
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<td>CBE 580</td>
<td>Health, Human Behavior</td>
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<td>HS  668</td>
<td>Community Service</td>
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**Note:** Course designations and credit hours are subject to change without notice.

Version date: 12/1/2014
Touro College of Osteopathic Medicine

Jay Sexter, Ph.D.
Provost & Chief Executive Officer

Robert Goldberg, D.O.
Executive Dean

Arthur Prancan, Ph.D.
Interim Preclinical Dean

Nadege Dady, M.A.
Assistant Dean, Student Affairs

Administrative Contacts

Please direct all email inquiries to Masters.Tourocom@touro.edu

Arthur Prancan, Ph.D.
Program Director
(646) 981-4533

Beth Portnoy
Assistant to the Program Director
(646) 981-4576

Ana Morillo
Administrative Staff Support
(646) 981-4603

Cherell Crowell
Associate Director, Admissions
(646) 981-2421

Version date: 12/1/2014
Program Faculty

Anatomy
Sushama Rich, M.D., Course Director and Chairman
Bedia Castellanos, M.D.
Carlos Quinteros, M.D.
Sumathilatha Velavan, M.D.

Biochemistry/ Genetics
Judith Binstock, Ph.D., Course Director
Mariluz Henshaw, M.D., Ph.D.
Tipsuda Bahri, M.D.

Community Service
Jeffrey Gardere, Ph.D., Course Director
Arthur Prancan, Ph.D.

Embryology
Luis Vidal, Ph.D., Course Director

Histology and Cell Biology
Luis Vidal, Ph.D., Course Director
Piotr Kozlowski, M.D., Ph.D., Lab Director
Sumathilatha Velavan, M.D.

Human Behavior and Health
Kathleen DiCaprio, Ph.D., Course Director
Jeffrey Gardere, Ph.D

Immunology/ Microbiology
Stacey Fanning, Ph.D., Course Director, Immunology
Kathleen DiCaprio, Ph.D., Course Director, Microbiology

Law and Ethics
Maria Pino, Ph.D., Course Director

Neuroanatomy
Luis Vidal, Ph.D., Course Director
Carlos Quinteros, M.D.
Sushama Rich, M.D.
Bedia Castellanos, M.D.
Sumathilatha Velavan, M.D.

Physiology
Kurt Degenhardt, Ph.D., Course Director
Conrad Fischer, M.D.
Arthur Prancan, Ph.D.
Maria Pino, Ph.D.

Version date: 12/1/2014
M.S. Program - Application Requirements

Academic requirements for admission to the M.S. Program will be evaluated on an individual basis by the program administrators. An interview by phone, computer 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 3.00 on a 4.0 scale.
   b) Possess an overall grade point average of at least 3.00 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 Semester Hours)
   One year of Behavioral Science (6 SH)
   One year of Biology w/lab (8 SH)
   One year of General Chemistry w/lab (8 SH)
   One year of Organic Chemistry w/lab or Biochemistry (8 SH)
   One year of Physics w/lab (8 SH)
   One year of Mathematics may include Calculus or Statistics (4 SH)

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 substitute for the three letters of recommendation.

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

   Beth Portnoy – M.S. Program Administrator
   Touro College of Osteopathic Medicine
   230 West 125th Street, Room 328
   New York, NY 10027

Please contact the Program Administrator for questions of application eligibility.
Applications will be accepted beginning November 17, 2014 and must be received by April 15, 2015.

Version date: 12/1/2014
Policy on Admission to
Touro College of Osteopathic Medicine

Admission to the Touro College of Osteopathic Medicine requires completion of the M.S. Program Curriculum with a minimum GPA of 3.5/4.0 and a grade of Pass on the Comprehensive Examination and completion of a background check and completion of all health inventory requirements which are included in the admissions process for the Medical College. Each student will be followed throughout the M.S. Program by an Academic Advisor who will assist the student in academic development and who will write the recommendation for admission to the D.O. Program. This review of all requirements and a review of suitability for a career in Osteopathic Medicine will be conducted in place of a formal interview.

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 Information Access:

www.touro.edu/med

For further assistance, please contact:

Beth Portnoy, Program Administrator
Master of Science in Interdisciplinary Studies
Touro College of Osteopathic Medicine
230 West 125th Street, Room 328
New York, NY 10027
(646) 981-4576
Masters.Tourocom@touro.edu

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