

# UNDERGRADUATE MEDICAL EDUCATION (MD PROGRAM) AND DOCTORATE IN PHILOSOPHY BIOCHEMISTRY AND SPECIALIZATION HUMAN AND MOLECULAR GENETICS

*Please note that admission to the Undergraduate Medical Education (MD Program) and Doctorate in Philosophy Biochemistry and Specialization Human and Molecular Genetics is suspended until further notice.*

## Undergraduate Medical Education (MD Program)

The program leading to the Doctor of Medicine degree includes 147 weeks of instruction (72 weeks of which are devoted to clinical work) scheduled over four calendar years.

Preclerkship is devoted to the teaching and learning of biomedical sciences, whereas Clerkship is devoted to clinical work. During medical studies, students should demonstrate the intelligence, the integrity, and the personal and emotional characteristics deemed necessary for competent physicians. Their behaviour must be consistent with an acceptable code of professional ethics, such as stated in the Faculty's Standards of Ethical and Professional Behaviour.

This program is offered in English and in French.

## Program Contact Information

Undergraduate Medical Education (<https://med.uottawa.ca/undergraduate/>)

451 Smyth Road, Room 2046  
Ottawa, ON K1H 8M5

Tel.: 613-562-5800 ext. 8551  
Toll free: 1-877-868-8292 ext. 8551  
Email: [medaca@uottawa.ca](mailto:medaca@uottawa.ca)

## Doctorate in Philosophy Biochemistry Specialization in Human and Molecular Genetics

The programs prepare candidates for a variety of careers in teaching and research both within and outside of academia.

Graduate students are actively involved in laboratory research, course work, and presentation of research seminars. Thus, they acquire autonomy in conducting research and in preparing publications.

The programs create a stimulating and challenging environment which will allow students to achieve excellence in research.

Graduates of the programs must demonstrate research skills and credibility as professionals in their area of research.

The Faculty of Medicine offers a collaborative program in Human and Molecular Genetics at the master's and doctoral levels. The primary graduate programs in Biochemistry (BCH), Cellular and Molecular Medicine (CMM) and Neuroscience (NSC) collaborate in offering the specialization. The degree awarded specifies the primary program and indicates "specialization in Human and Molecular Genetics."

## Program Contact Information

Graduate Studies Office, Faculty of Medicine (<https://med.uottawa.ca/graduate-postdoctoral/>)

451 Smyth Road, Room 2016

Ottawa, ON, K1N 6N5

Tel.: 613-562-5215

Toll free: 1-877-868-8292 ext. 5215

Email: [grad.med@uottawa.ca](mailto:grad.med@uottawa.ca)

Twitter | Faculty of Medicine (<https://twitter.com/uOttawaMed/>)

Youtube | Faculty of Medicine (<https://www.youtube.com/channel/UCP2nDlRjFEetyfMiOmlE2HA/>)

Flickr | Faculty of Medicine (<https://www.flickr.com/photos/uottawamed/>)

## Program Requirements

Requirements for this program have been modified. Please consult the 2023-2024 calendars (<http://catalogue.uottawa.ca/en/archives/>) for the previous requirements.

## Undergraduate Medical Education (MD Program)

### Compulsory courses at the 1000 level

ELE 1900	Clinical Placement - Non Mandatory Elective - First Year
MED 1107	Community Week
MED 1200	Introduction Unit to the Profession
MED 1201	Foundations Unit
MED 1202	Unit I
MED 1302	Physician Skills Development (Part 1)

### Compulsory courses at the 2000 level

CLI 2101	Transition to Clerkship Part 1
ELE 2900	Clinical Placement - Non Mandatory Elective - Second Year
MED 2109	Mandatory Clinical Week
MED 2201	Unit II
MED 2202	Unit III
MED 2203	Unit IV
MED 2302	Physician Skills Development (Part 2)

### Compulsory courses at the 3000 level

CLI 3102	Surgery
CLI 3103	Internal Medicine
CLI 3104	Mandatory Selectives
CLI 3106	Obstetrics and Gynecology

CLI 3107	Pediatrics
CLI 3108	Psychiatry
CLI 3109	Family Medicine
CLI 3110	Acute Care Medicine
CLI 3111	Objective Structured Clinical Examination (OSCE)
CLI 3301	Transition to Clerkship Part 2

**Compulsory courses at the 4000 level**

CLI 4104	Electives
CLI 4105	Transition to Residency
CLI 4106	Selective in Ambulatory Medicine
MED 4101	Eportfolio on Core Competencies (Part 1)
MED 4102	Eportfolio on Core Competencies (Part 2)
MED 4103	Eportfolio on Core Competencies (Part 3)
MED 4104	Eportfolio on Core Competencies (Part 4)

## Doctorate in Philosophy Biochemistry Specialization in Human and Molecular Genetics

The Department may require students to take additional courses, depending on their backgrounds.

Students must meet the following requirements for the doctorate with collaborative specialization:

**Compulsory Courses (BCH):**

MED 8166	Professionalism and Professional Skills	
3 optional course units in biochemistry (BCH) at the 8000 level <sup>1</sup>		3 Units

**Compulsory Courses (HMG):**

3 course units from: <sup>2</sup>		3 Units
HMG 8103	Advanced Topics in the Molecular Biology of Human Diseases I	
HMG 8105	Advanced Topics in the Molecular Biology of Human Diseases II	
HMG 8600	Special Topics in Human and Molecular Genetics	

**Seminar:**

BCH 8366	PhD Seminar <sup>3</sup>	3 Units
----------	--------------------------	---------

**Comprehensive Examination:**

BCH 9998	Comprehensive-Examination (PhD)	
----------	---------------------------------	--

**Thesis:**

THD 9999	Doctoral Thesis <sup>4,5</sup>	
----------	--------------------------------	--

Note(s)

- <sup>1</sup> The optional course units may be selected from other approved graduate courses in related disciplines approved by the Department.
- <sup>2</sup> Course selection is subject to the approval of the HMG program director.
- <sup>3</sup> This requirement involves the presentation of a seminar and regular attendance at the departmental seminars.
- <sup>4</sup> Successful presentation and defence of a thesis on a topic in human and molecular genetics based on original research carried out under the direct supervision of a member of the collaborative program.

<sup>5</sup> Students are responsible for ensuring they have met all of the thesis requirements (<http://www.uottawa.ca/graduate-studies/students/theses/>).

## Minimum Requirements (Doctorate)

The passing grade in all courses is C+.

Students who fail 6 units, the thesis proposal, or the comprehensive exam or whose research progress is deemed unsatisfactory must withdraw from the program.