

COMBINED PROGRAM MD AND PHD (CELLULAR MOLECULAR MEDICINE WITH SPECIALIZATION IN HUMAN AND MOLECULAR GENETICS OPTION)

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

Doctorate in Philosophy Cellular and Molecular Medicine 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. During training, the student will develop a critical approach to published work and to his own work. Graduates acquire an excellent knowledge of their chosen field and a general understanding of the areas related to their own particular research project. They must demonstrate research skills and credibility as professionals in their area of research.

The Department is a participating unit in the collaborative programs in Bioinformatics (at the master's level), in Human and Molecular Genetics (at the master's and doctoral levels), and in Pathology and Experimental Medicine (at the master's and doctoral levels).

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

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

Youtube | Faculty of Medicine (<https://www.youtube.com/channel/UCP2nDlrjFEtyfMiOml2HA>)

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

Program Requirements

Requirements for this program have been modified. Please consult the 2018-2019 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

ELE 2900	Clinical Placement - Non Mandatory Elective - Second Year
MED 2109	Mandatory Clinical Week
MED 2201	Unit II
MED 2202	Unit III
MED 2203	Integration Unit
MED 2302	Physician Skills Development (Part 2)

Compulsory courses at the 3000 level

CLI 3101	Link Period
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)

Compulsory courses at the 4000 level

CLI 4104	Electives
CLI 4105	Back to Basics
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)

Students who fail two courses (equivalent to 6 units), the thesis proposal, or the comprehensive exam or whose research progress is deemed unsatisfactory are required to withdraw.

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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 (CMM):

MED 8166	Professionalism and Professional Skills	
3 optional course units in cellular and molecular medicine (CMM) at the graduate level		3 Units

Compulsory Course (HMG):

3 course units from:	¹	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:

CMM 8325S	Seminars II	²	3 Units
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Comprehensive Examination:

CMM 9998	Comprehensive Examination (PhD)	³	
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Thesis:

THD 9999	Doctoral Thesis	^{4,5}	
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Note(s)

- ¹ Course selection is subject to the approval of the HMG program director.
- ² The seminar course involves the presentation of a seminar and regular attendance at the approved departmental seminars.
- ³ Successful completion of a comprehensive examination in the form of a written research proposal followed by an oral examination.
- ⁴ Presentation and successful defence of a thesis in Human and Molecular Genetics based on original research carried out under the direct supervision of a member of the collaborative program.
- ⁵ Students are responsible for ensuring they have met all of the thesis requirements (<http://www.uottawa.ca/graduate-studies/students/theses>).

Minimum Requirements (Doctorat)

The passing grade in all courses is C+.