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. 5215
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/
UCP2nDlrjFEEtYfMiOmle2HA)
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

Doctorate in Philosophy Cellular and Molecular Medicine 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 (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:
  - 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
  - 3 Units

**Seminar:**

- CMM 8325S Seminars II ²
  - 3 Units

**Comprehensive Examination:**

- CMM 9998 Comprehensive Examination (PhD) ³

**Thesis:**

- THD 9999 Doctoral Thesis ⁴, ⁵

**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+.

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.