

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

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 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

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

Youtube | Faculty of Medicine (<https://www.youtube.com/channel/UCP2nDlrjFEtyfMiOmle2HA/>)

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)

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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.

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 level¹ 3 Units

Compulsory Courses (HMG):

3 course units from:² 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 Seminar³ 3 Units

Comprehensive Examination:

BCH 9998 Comprehensive-Examination (PhD)

Thesis:

THD 9999 Doctoral Thesis^{4,5}

Note(s)

1

The optional course units may be selected from other approved graduate courses in related disciplines approved by the Department.

2

Course selection is subject to the approval of the HMG program director.

3

This requirement involves the presentation of a seminar and regular attendance at the departmental seminars.

4

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.