

# MEDICAL SCIENCES

## Note: Admission to this programs is temporarily suspended 2022-23

The Department of Biomedical and Molecular Sciences (DBMS), Postgraduate Medical Education (PGME), and Undergraduate Medical Education (UGME), in the Faculty of Health Sciences, have developed a partnership to deliver two new and unique programs: the Graduate Diploma in Medical Sciences (GDip) and the Professional Master of Medical Sciences (PMMSC). The programs are designed to enhance students' clinical and research skills to align with the requirements of the Canadian Residency Matching Service (CaRMS) process and to promote research and scholarship activities in future physicians. The programs will provide bridging opportunities for Canadian Medical Graduates (CMG) who have yet to secure a residency position, and International Medical Graduates (IMG) who seek experience in Canadian contexts, which is especially important given the growing number of Canadian students Studying medicine Abroad. (CSAs).

## Admission and Application Requirements

To be considered for admission to both the Graduate Diploma in Medical Sciences and the Professional Master of Medical Sciences, admission requirements will include the following:

- An MD or equivalent from a medical school on the International Medical Education Directory (IMED);
- Graduation with a B- graduating average or higher (70% graduating average or a ranking in the top third of the graduating class where number grades are not available);
- A Personal Statement will be required in order to ensure alignment of the applicant's background and career aspirations with the objectives of the program;
- A Curriculum Vitae;
- Two references from individuals familiar with the candidates academic performance;
- Medical Student Performance Record or Dean's Letter;
- In cases where English is not the first language, nor was the language of instruction in medical school, applicants are required to submit TOEFL or IELTS scores
- National Assessment Collaboration examination score report (exempt for applicants who hold an MD from a Canadian university).

After review of the complete application, competitive candidates will be invited for an interview.

For those who successfully complete the Graduate Diploma and wish to apply for the Professional Master of Medical Sciences, applicants must obtain at least a B- in all courses in their Graduate Diploma program and apply for the Professional Master within five years after completing the Graduate Diploma.

## Programs Structures and Requirements

Students may start the Graduate Diploma in Medical Sciences in either January or July, and complete the program within 6 months. Students in the Graduate Diploma program may elect to apply for the Professional Master of Medical Sciences. The Professional Master's program requires Graduate Diploma in Medical Sciences graduates to take MSCI 802 and MCSC 898, which require another 6 months to complete.

Applicants can also apply for direct entry into the Professional Master of Medical Sciences beginning in either January or July.

## Programs

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- Medical Sciences - Graduate Diploma (<https://queensu-ca-public.courseleaf.com/graduate-studies/programs-study/medical-sciences/medical-sciences-graduate-diploma/>)
- Medical Sciences - Professional Master of Medical Sciences (<https://queensu-ca-public.courseleaf.com/graduate-studies/programs-study/medical-sciences/medical-sciences-professional-master-medical-sciences/>)

## Courses

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#### MSCI 800 Research Methodology

This is a foundation course in which students will conduct a critical review from which they will develop a research proposal. Examples of topics are (but are not limited to): questions relating to basic biomedical or clinical sciences; disease processes; therapeutics; ethical questions in science or medicine; health policy. From this critical review, the student will develop a research proposal to address a specific knowledge gap identified from the literature review. (3.0 credit units)

#### MSCI 801 Integrated Graduate Clerkship I

This course is a 6-month clerkship in which graduate clerks will be placed in a variety of clinical learning environments. Course content will include an Orientation "Boot Camp", the Nightmares Course (simulation based critical events



training), a series of observational clinical rotations which will include ward based experiences, ambulatory clinic experiences, standardized patient clinical experiences and academic interactive seminars. Students will be exposed to a spectrum of medical subspecialties. (6.0 credit units)

### **MSCI 802 Integrated Graduate Clerkship II**

This course is a 6-month clerkship designed for students who have completed the Integrated Graduate Clerkship I. Students will be placed in clinical learning environments with more complex patient presentations, with the expectation that students will demonstrate a higher level of competency related to patient care. Students will be expected to lead discussions and present case studies in the bi-weekly academic seminar sessions. (6.0 credit units)

### **MSCI 898 Research Project in Medical Sciences**

This course will engage the student in a hands-on learning experience in a laboratory setting. The research project will involve experimental design, data collection and analysis, written report and oral presentation. (6.0 credit units)