

School of Medicine and School of Graduate Studies

Combined Medicine and Graduate Research

MD/PhD and MD/Masters

Why Combine Medicine and Graduate Research?

Offered jointly by the School of Medicine and the School of Graduate Studies and Postdoctoral Affairs, the combined MD/PhD and MD/Master's programs at Queen's University allow students to combine innovative medical training with graduate level research training. Over 180 distinguished faculty members from twelve leading graduate programs participate, teach, and supervise graduate students in the Combined Medicine and Graduate Research program. The combined MD/PhD and MD/Master's Programs provide benefits to both scholarship and to the professional development of physician-scientists by allowing better integration of clinical and research training experiences, and also provide better opportunities for fostering translational research. Students in combined MD/graduate programs bring a distinctive, clinical/translational perspective into their laboratories, and conversely, these students also bring a basic science perspective to share with their fellow medical students.

Why Queen's?

Students admitted into our competitive program combine graduate research training with medical education. Students have the opportunity to work in our new state-of-the-art School of Medicine building that allows for the integration of modern teaching methods, technology, and interdisciplinary practices to provide a truly exceptional medical and research training experience.

Our program also allows for the effective integration of the clinical and basic



"I chose this program not only because of the quality of research that is taking place at Queen's, but also because there is a wonderful sense of community and pride at Queen's that I couldn't wait to be a part of." - Ellen van Rensburg, MD/PhD Candidate

sciences during the pre-clerkship years and for tailoring the program to individual student needs at the Master's and PhD levels. Graduates from our program are well equipped to pursue careers in academic medicine, postdoctoral or research intensive residency training, and contribute to Canada's increasing capacity for basic clinical, translational, and patient-oriented research.

Program Structure

(6 years, full time). Students complete their master's in their first two years. Students will be enrolled full-time in the chosen graduate program in which they fulfill course requirements, conduct research and write and defend the thesis. Students are also enrolled full time in the graduate program over the summer months of the first two years. Following completion of the master's degree, students enter the MD program at the Kingston Campus for the next 4 years.

: Students spend the first two years in the PhD program, in which they complete course requirements (if any), complete the PhD comprehensive exam, and

conduct research. Students then enter the first two years of the MD program, continuing their research over the summer months. Following year two of the MD program, students re-enter the PhD program for a final year, in which they complete thesis research, and write and defend the thesis. Following completion of the PhD degree, students enter years three and four of the MD program.

Participating Graduate Programs

- Biomedical and Molecular Sciences
- Cancer Research (Collaborative Program)
- Department of Chemical Engineering
- Computing
- Department of Electrical & Computer Engineering
- Epidemiology
- Department of Mechanical & Materials Engineering
- Kinesiology & Health Studies
- Neuroscience
- Pathology and Molecular Medicine
- Rehabilitation Science
- Translational Medicine



Faculty Research and Supervision

We encourage you to identify an area of research interest in a participating graduate program before applying. We recommend contacting potential supervisors after being invited to interview. Links to participating graduate programs and faculty members interested in supervising graduate research may be found on the MD/PhD website at: https://meds.queensu.ca/index.php/academics/mdprogram/md_phd/graduate_faculty

What about Funding?

During the period of funding eligible full-time graduate study (maximum of 6 terms for Master's, 12 terms for PhD), Master's and PhD students will receive at least the minimum guaranteed stipend for the graduate program in which they are enrolled. During the period of study in the MD program, a stipend of \$25,000 per year for four years will be provided for MD/PhD students, and \$15,000 per year for MD/Master's students in the first two years of MD program. All Master's and PhD students are also encouraged to apply for additional funding through federal, provincial, and private sector sources.



Application FAQs

How to Apply

Applicants must complete and submit an application to OMSAS (<https://www.ouac.on.ca/guide/omsas-guide/>). There, applicants must indicate their intention to apply to the MD/PhD or MD/Master's program. Applicants must meet the admission requirements for both programs (both the MD and PhD programs or MD and Master's programs) and will be assessed for eligibility for admission by each program.

If accepted to either the MD/PhD or MD/Master's program, applicants must also complete a School of Graduate Studies and Postdoctoral Affairs online application for the graduate program in which they have research interests.

Eligibility

Successful applicants will have met the admissions requirements and will have been accepted into both the MD program and the chosen graduate program. The minimum level of education for the MD/PhD or MD/Master's Programs is an Honours baccalaureate degree. Students with a Master's degree or graduate students in the second year of a Master's program, are also eligible to apply.

Students registered in a Master's program at the time of application must complete the requirements for the Master's degree prior to entry into the combined MD/PhD program. Applicants must have an obvious and demonstrated research potential.

Application Materials

All components of the main MD application and the supplemental pieces for the combined MD/PhD and MD/Master's programs must be completed by the application deadline in order to be considered.

MD Program Eligibility & Application Process: https://meds.queensu.ca/academics/mdprogram/admissions/eligibility_application_process

MD/PhD & MD/Master's Program Eligibility & Application Process: https://meds.queensu.ca/academics/mdprogram/md_phd/eligibility_application_process

For more information on the application process, please visit https://meds.queensu.ca/academics/mdprogram/md_phd/eligibility_application_process