Why combine **MEDICINE** and **GRADUATE RESEARCH**?

The Professional Master of Medical Sciences is a new program offered through a partnership between the Department of Biomedical and Molecular Sciences (DBMS), Postgraduate Medical Education (PGME), and Undergraduate Medical Education (UGME). This program has been specifically designed for graduates of medical schools who have not yet matched to a postgraduate residency program in Canada.

The Medical Sciences program provides medical school graduates with an opportunity to enhance their clinical and research skills before applying to a postgraduate residency program. Students will build on the foundations of their medical degree in many ways. They will further develop their clinical skills in the context of the Canadian healthcare system and explore current issues in medical sciences. They’ll interpret foundational research and its relationship to clinical practice, conduct research responsibly using appropriate guidelines and procedures, and apply ethical behaviours consistent with academic integrity and professional standards.

It is anticipated that the emphasis on research, clinical skills, and scholarship will enhance any future applications for residency positions through the Canadian Resident Matching Service (CaRMS).

**Program STRUCTURE**

Professional Master’s (1 year). This program requires the completion of coursework (MSCI 800, 801, 802, + 1 elective) in addition to a research project. Upon completion, students who wish to pursue further training in research may opt to apply for one of the thesis-based Masters or PhD programs offered in the Faculty of Health Sciences.

Option 1: Start in July and go to June
Option 2: Start in January and go to December
2019-2020
Medical Sciences MMSC Map *

**GETTING STARTED**

- Start to develop ideas for your Masters research project.
- Start with key priorities like developing your relationship with your supervisor, and doing your coursework.
- Find your way through the academic process with help from departmental and expanding horizons professional development workshops, the department Grad Chair and the SGS Habitat.

**MAXIMIZE RESEARCH IMPACT**

- Consider positions in student services, the SGS, or media outlets like the Queen’s Journal, CFRC, Studio Q and the SGS Blog. Look in the AMS Clubs Directory for more ideas.
- Serve on departmental, faculty or university committees. Talk to the graduate representatives for tips on getting involved.
- Check out professional development workshops from Expanding Horizons.

**BUILD SKILLS AND EXPERIENCE**

- Consider volunteering with different community organizations, such as Kingston General Hospital.
- Explore how you can connect with your community through experiential opportunities on- and off-campus.
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**ENGAGE WITH YOUR COMMUNITY**

- Explore how you can connect with your community through experiential opportunities on- and off-campus.
- Consider volunteering with different community organizations, such as Kingston General Hospital.
- Find a career that fits starts with knowing yourself. Get help by taking a Career Services career planning workshop or meeting with a career counsellor. Check out books like So What Are You Going To Do With That? or Planning a Scientific Career in Industry from the Career Resource Area for advice on various career options.
- Start reading publications like University Affairs and the Chronicle of Higher Education. Browse non-academic labour market websites. Stay on the lookout for special events like School of Graduate Studies Career Week to explore your career pathways.
- Check admission test deadlines if needed for further studies.

**INTERMEDIATE STAGE**

- Develop your research project in MSCI 899.
- Attend Evidence-Based Journal Club Meetings and participate in facilitated small group learning sessions.
- Demonstrate incorporation of CanMEDS competencies in to the clinical/simulated learning environment.
- Meet with your academic advisor to discuss clinical placement performance.

**WRAPPING UP**

- Complete your coursework.
- Present your research project to Medical Sciences graduate students and faculty.
- Consider publishing elements of your research. Learn from the Expanding Horizons Publishing workshop.
- Attend a major conference in your field. There are many to choose from, so talk to your supervisor for advice on which ones would be most relevant.
- Consider putting an article in The Conversation.

**WHAT WILL I LEARN?**

A graduate degree in Medical Sciences can equip you with:
- Knowledge and technical skills: CanMEDS Educational Framework
- Effective communication skills in multiple forms for diverse audiences
- Information management: prioritize, organize and synthesize large amounts of information
- Time management: Meet deadlines and manage responsibilities despite competing demands
- Project management: develop ideas, gather information, analyze, critically appraise findings, draw and act on conclusions
- An understanding of ethical practices, social responsibility, responsible research and cultural sensitivity
- Professionalism in work, research, and interactions
- Leadership: initiative and vision leading people and discussion

**WHERE CAN I GO?**

A Master's degree in Medical Sciences can take your career in many directions. Our Master's students are equipped with a strong foundation for careers in:
- Academic and research labs: Apply for residency through the Canadian Resident Matching Service (CaRMS).
- Administration in academic, health care or government settings
- Data Analysis (Health units, government agencies)
- Health Care (Hospital clinical labs)
- Health research (research associates in universities, hospitals, government, public health units)
- Marketing positions in private sector
- Pharmaceutical companies
- Scientific supply companies
- Teaching positions in academic institutions or the private sector
- Technical positions in academic institutions or the private sector

Visit careers.queensu.ca/gradmaps for the online version with links!

*This map is intended to provide suggestions for activities and careers, but everyone’s abilities, experiences, and constraints are different. Build your own Grad Map using our online My Grad Map tool.
Application FAQs
What do I need to know to APPLY?

ACADEMIC REQUIREMENTS
In order to be considered for admission to the Professional Master of Medical Sciences, applicants need to hold an MD or equivalent from a medical school on the International Medical Education Directory and have a B+ graduating average or higher in all postsecondary education. Instructions on how to submit all required documentation will be sent to you by email upon application submission.

REQUIRED DOCUMENTS
Applicants must submit:
• Official transcripts from all postsecondary education;
• Personal Statement indicating the alignment of the applicant’s background and career aspirations with the objectives of the program;
• Curriculum Vitae;
• 2 references from individuals familiar with the candidate’s academic and/or clinical performance; and a
• Medical Student Performance Record or Dean’s Letter.

All Applicants must submit their score reports on both Medical Council of Canada Qualifying Examination (MCCQE) Part 1 and National Assessment Collaboration (NAC) examination. Applicants may submit the Medical Council of Canada Evaluating Examination (MCCEE) in place of the MCCQE part 1.

ADDITIONAL REQUIREMENTS
While proof of English language proficiency is not required, a thorough understanding, as written, is essential. It is strongly suggested that applicants also review requirements for admission to residency programs and to the School of Graduate Studies.

Please note that these requirements are higher than the minimum standards set by the School of Graduate Studies. As these students will be involved in observing the clinical care of patients, and participating in the clinical team discussion about the investigation and management of their clinical problems and in the clinical assessment of standardized patients, a thorough understanding and ability to communicate in English is essential.

The APPLICATION PROCESS
STEP 1: Submit your online application via the School of Graduate Studies.
STEP 2: Once you have submitted your application, read instructions on how to submit all required documents.
STEP 3: Submit all required documents to the School of Graduate Studies. After review of the complete application, competitive candidates will be invited for an interview with the Medical Sciences Program (via Zoom).