Translational Medicine MSc Map

Applying to and Navigating Graduate Studies

Why GRADUATE STUDIES in TRANSLATIONAL MEDICINE?

The innovative Master of Science (MSc) in Translational Medicine is a unique research-based graduate program. The program provides students with a fresh perspective, offering a curriculum interweaving graduate level research with authentic clinical experiences in a multidisciplinary environment across departments at Queen's University.

Combining the fields of medicine and research, this program links graduate level research skills with a variety of clinical experiences including patient interactions, clinical observerships and medical rounds to enhance professional thinking and action. This innovative curriculum will offer important foundation work for future careers in the biomedical field, and will provide critical skills for pursuing careers that include clinician scientists, biomedical researchers, leaders in industry and public health and/or health policy.

What is TRANSLATIONAL MEDICINE?

Translational Medicine is driven by our patients and their diseases. Guided by this primary focus, translational research spans across the spectrum from molecular and cell biology to preclinical models to patient studies and back again. Our programs aim to train the next generation of researchers to be effective translators of biomedical discovery. Our graduates will operate at the intersection of clinical and related sciences and will have the expertise to generate and lead discovery through an integrated process, increasing the efficiency of translating science knowledge into health improvement.

Program STRUCTURE

The MSc in Translational Medicine is a 2-year research-based program, which requires the completion of 12-credit courses (3 core courses, 3-credit electives) and a thesis.

Mini-Master's: Students registered in the MSc in Translational Medicine with first-class standing, and who show exceptional promise in their research may be considered for promotion to the PhD in Translational Medicine, without completion of the MSc.

Core COURSES

- **TMED 800** Translational Medicine
- **TMED 801** Profession of Medicine
- **TMED 802** Research Success Skills

Program HIGHLIGHTS

- Build on your academic education or enhance your career with advanced knowledge and skills
- Learn about translational medicine from an interdisciplinary perspective with authentic clinical experiences
- Experience team-based learning in a close-knit community with small class sizes
- Network with students, alumni, and leaders in this emerging field
- Complete a supervised project on a topic of your choice

"I chose TMED because I wanted to pursue research that aims to reach people, improve their health, and strengthen our healthcare system.

The program offers its students the privilege of directly interacting with the patients whose diseases we are studying, outside of the lab, through clinical observership, and through class lectures. I have become a more passionate, dedicated, and motivated researcher because of this unique program."

- Nicole Morris, MSc'24 (Candidate)

TMED
TRANSLATIONAL MEDICINE
GRADUATE PROGRAM

Queen's UNIVERSITY

GRADUATE STUDIES AND POSTDOCTORAL AFFAIRS

Translational Medicine MSc Map

MASTER OF SCIENCE (MSc)

Queen's UNIVERSITY

	GETTING STARTED	INTERMEDIATE STATE	WRAPPING UP
ACHIEVE YOUR ACADEMIC GOALS	• Start with key priorities like scheduling an initial meeting or meetings with your supervisor, forming your committee, and doing your coursework. • Have your first committee meeting, identify a research topic and consider how your course assignments/papers can contribute to your master's thesis. • Complete the ethics review process if applicable. • Complete your core courses and electives.	• Present your research to faculty and fellow graduate students. • Schedule regular meetings with your supervisor and meet thesis committee at least twice a year. • Find your way through the academic process with help from departmental and School of Graduate Studies and Postdoctoral Affairs academic workshops, the program director, the SGSPA website, and Student Academic Success Services (SASS).	• Write and revise your research and thesis draft. • Defend your thesis and submit to the QSpace. • Present your research at the Queen's Health Sciences (QHS) Research Day.
MAXIMIZE RESEARCH IMPACT	• Start to think about the audiences for your research project. • Apply for external funding after discussion with supervisors about appropriate granting agencies.	• Consider participating in the 3 Minute Thesis (3MT) competition. • Expand your research audience through social media. • Attend or present at a graduate conference based on the discussion with your supervisor.	• Consider publishing elements of your research. • Attend a major conference in your field based on the discussion with your supervisor. Set up a meeting with the School of Graduate Studies and Postdoctoral Affairs for a Grad Chat to discuss your research interests.
BUILD SKILLS AND EXPERIENCE	• Consider positions in student services, the SGPS, or media outlets like the Queen's Journal, CFRC, and the SGSPA Blog. Check the AMS Clubs Directory for more options. • Serve on the TMED Student Society, faculty, or university committees • Check out professional development workshops from School of Graduate Studies and Postdoctoral Affairs professional development and the Department of Medicine.	• Start keeping an eportfolio of your skills, experiences, and competencies. • Use a Research Assistant position to develop your research skills. • For help with teaching, get support from the Centre for Teaching and Learning.	• Practice articulating the skills you have been developing in different forums: casual conversation, networking, interviews. • Investigate internships from MITACS and other sources. • Check out opportunities for extra training through CTL, School of Graduate Studies and Postdoctoral Affairs professional development, MITACS, or other sources to boost your skills.
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 Health Sciences Centre, KFL&A Public Health Unit, and Kingston Community Health Centres.	• Participate in your graduate and professional community through activities such as graduate student outreach programs, organizing conferences, and research groups. • Prepare for work or studies in a multi-cultural environment by taking the Intercultural Awareness Training Certificate hosted by QUIC. • If you are an international student interested in staying in Canada, consider speaking with an International Student Advisor.	• Do some targeted networking with people working in careers of interest, through Queens Connects on LinkedIn, the Queen's Alumni Association, professional associations, and at conferences. • Consider joining appropriate professional associations in consultation with your supervisor
LAUNCH YOUR CAREER	• Finding a career that fits starts with knowing yourself. Get help by taking a Career Services workshop or meeting with a career educator and coach. Check out 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 Graduate Student Career Week to explore your career pathways. • Check admission test deadlines if needed for further studies.	• Explore different careers of interest by using Queens Connects on LinkedIn to connect with Queen's alumni. Check out Career Cruising for more information. • If you are considering a PhD, MD, or MD-PhD, reach out to faculty, and apply for the programs of your interest and external scholarships if applicable.	• Participate in hiring committees and attend job talks. Research careers of interest. Craft your CV or resume and job application materials. • Start focusing on areas of interest. Research organizations of interest and start putting together your industry resume and beginning of your job search plan. Get help from Career Services with job searching, resumes, and interviews.

WHAT WILL I LEARN?

A Master's degree in Translational Medicine can equip you with:

• **Knowledge** and **technical** skills
• 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
• **Creativity** and **innovation**
• **Perseverance**
• **Independence** and experience as a **collaborative** worker
• **Awareness**, an understanding of sound **ethical** practices, **social responsibility**, responsible research, and **cultural sensitivity**
• **Professionalism** in all aspects of work, research, and interactions
• **Leadership**: initiative and vision leading people and discussion

WHERE CAN I GO?

A Master's degree in Translational Medicine can take your career in many directions. Our students are equipped with a strong foundation for careers such as:

• Health research (research associates in universities, hospitals, government, public health units)
• Medicine
• Public Health and Health Policy

Taking time to explore career options, build experience, and network can help you have a smooth transition to the world of work after graduation.

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How to use this map

Use the 5 rows of the map to explore possibilities and plan for success in the five overlapping areas of career and academics. The map just offers suggestions – you don't have to do it all! To make your own custom map, use the My Grad Map tool.

Graduate Studies FAQs

How do I make the most of my time at Queen's?

Use the Grad Map to plan for success in five overlapping areas of your career and academic life. Everyone's journey is different - the ideas on the maps are just suggestions to help you explore possibilities. For more support with your professional development, take advantage of the SGSPA professional development framework and the new Individual Development Plan (IDP) process to set customized goals to help you get career ready when you graduate.

Where can I get help?

Queen's provides you with a broad range of support services from your first point of contact with the university through to graduation. Ranging from help with academics and careers, to physical, emotional, or spiritual resources – our welcoming environment offers the programs and services you need to be successful, both academically and personally. Check out the SGSPA website for available resources.

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GRADUATE PROGRAM

Queen's UNIVERSITY | **TRANSLATIONAL MEDICINE**

Translational Medicine Graduate Program
Department of Medicine
Etherington Hall, Room 1040
613-533-6000 ext 74148
tmed@queensu.ca
deptmed.queensu.ca/tmed

Application FAQs

What do I need to know to APPLY?

APPLICATION DEADLINE
• February 1

ACADEMIC REQUIREMENTS
• An undergraduate honours degree from a recognized university with a minimum of a B+ average in the last two years. At Queen's, a B+ is equivalent to a percentage conversion of 77-79.9% and a Grade Point Average of 3.3 (out of 4.3).

ADDITIONAL REQUIREMENTS
• Applications for admission are completed and submitted on the School of Graduate Studies and Postdoctoral Affairs website, including an online application form and specific instructions regarding how to submit the following documents:
    • A Statement of Interest about how applicants' background experiences and career aspirations make them ideally suited for the program (up to 4000 characters in the online application);
    • Transcripts for all postsecondary education;
    • Two references from individuals familiar with the applicant's academic performance
• Applicants are required to submit an electronic resumé/curriculum vitae to tmed@queensu.ca.

LANGUAGE REQUIREMENTS
• In cases where English is not the first language, nor was the language of instruction in undergraduate studies, applicants must demonstrate English language proficiency. Those applicants will need to provide proof of English language proficiency through one of the following:
    • International English Language Testing System (Academic module) with a minimum score of 7 in each component, or
    • TOEFL iBT with a passing score of 93 including a minimum score of 24 on the speaking section.

Before you start your application, please review the Graduate studies application process.

What about FUNDING?

We offer our master's students a minimum funding of $25,000 per year for two years.

Apply for external funding from OGS, CIHR/NSERC, and other sources. Queen's will automatically issue a one time $5,000 award to incoming Masters students who have won federal government tri-council awards. See the School of Graduate Studies and Postdoctoral Affairs' information on awards and scholarships for more.