



MHSc in Translational Research

2 Years | Professional (Course-Based)

The MHSc in Translational Research in Health Sciences is a two-year, course-based professional degree offered at the Faculty of Medicine that is designed for current and aspiring innovators from inter-professional backgrounds (medicine, life sciences, social sciences, engineering, design, and communications etc) who want to learn creative problem-solving skills, strategies and competencies to apply (scientific) knowledge into applications that improve medicine, health and care.

What Makes TRP Different?

WHY: Health innovation requires an understanding of translational pathways; scientific, clinical and regulatory practices; and an agile creative mind focused on tangible benefits that improve the patient experience.

HOW: We provide you with opportunities through competency-based self-directed learning to explore emerging topics in health innovation that culminates with a real world translational Capstone Project. The program combines flexible coursework, collaborative teamwork, real-world translational challenges, and extensive mentorship and networking. This program allows people to work and study at the same time.

WHAT: The curriculum covers translational networks and strategies needed to develop, test and implement innovations. The mentors available through the program enable students to learn from leading experts in the field spanning from bench science research to entrepreneurship.

WITH WHOM YOU LEARN: The knowledge and expertise brought into the classroom is not just through the faculty, but also brought by you and your classmates. Based on a cohort model of learning where small groups of students start and finish their degree together, we provide students with the opportunity to grow their professional connections and develop a sense of community.

ADMISSION CRITERIA

Applicants come from a wide range of roles, disciplines and backgrounds including but not limited to physicians, allied clinical professionals, administrators, researchers, designers, engineers, and patient advocates. Diverse in expertise and experience, applicants are united by the shared desire to improve medicine, health and care.

We have a holistic admissions review process that includes a combination of transcript grades, letter of intent, experiences, references in addition to an interview to assess fit.

- Academic Credentials:** An appropriate 4-year Honours Bachelor's degree (BA, BSc) or an MD degree from a recognized university. Academic research master's or PhD degrees are also accepted.
- Professional Experience:** Applicants with significant research, industry or government experience in professional health science or related social science.
- Problem Solving and Collaboration Capacity:** We are looking for candidates who have demonstrate strong desire to work with others and to think creatively.
- Initiative:** Applicants are admitted based on drive and leadership.

Applications are reviewed on a rolling basis for the September cohort. Final deadline is June. For full requirements, please visit: <https://trp.utoronto.ca/how-to-apply/>



The TRP program is an excellent opportunity to learn new effective techniques that facilitate change. Everything I learn in the program, I can immediately apply to my work.

Agnes Ryzynski, Current MHSc Student
Simulation Centre & Curriculum Development
Sunnybrook Health Sciences Centre



MAKE AN IMMEDIATE IMPACT WITH REAL-WORLD PROJECTS



Translational Capstone Projects

In the second year, students collaborate in teams to propose and execute a translational research that aims to move research to address a verified health need.

Refractory Incontinence in Children: Is there hope?

Incontinence is a common problem among both adults and children. Although most patients will improve with behavioural therapy and medication, 1% of patients will not respond to any treatment. Dr. Joana Dos Santos (SickKids), Edyta Marcon (Donnelly Centre) & Dr. Reza Vali (SickKids) helped children suffering from severe refractory incontinence by bringing a new therapy from the US that was not yet available or funded in Canada.



Our students have published in a wide variety of communication platforms to translate scientific knowledge to improve medicine, health and care in society.

Hysterectomy no longer only option for treating fibroids

By Dr. Michelle Jacobson and Katie Tucker

It's critical to act fast when stroke symptoms strike

By Dr. Gurpreet Jaswal

Tips for tough task of telling a kid they have cancer

By Dr. Danielle Weidman

PROGRAM PATHWAY

The TRP is a two-year (five-term) program that requires 8.0 full course equivalents (FCE). To complete the TRP in five terms, students are encouraged to follow the typical program pathway.



***Modules (flexible):** 8 modules of choice completed throughout 2 years. Topics include Intellectual Property, Health Economics, Project Management, Translational Thinking, Privacy and Regulatory Affairs, Leadership, among many others.



I've done research a certain way for many years but this program has taught me how to efficiently and effectively move forward in an innovative way."

Reza Vali, MD, MHSc (Class 2018)
Radiologist, Nuclear Medicine
Diagnostic Imaging
Hospital for SickKids, Toronto

STUDYING IN TORONTO



TORONTO

Toronto is one of the world's most liveable and diverse city with more than 140 languages spoken.



RESEARCH & INNOVATION HUB

U of T's extraordinary breadth and depth of research is globally influential. We are the only Canadian university in Times Higher Education's top 25 universities working with the world's most innovative companies. We create more inventions than any other Canadian university.

INTERESTED IN LEARNING MORE?

<https://trp.utoronto.ca>

trp.medscience@utoronto.ca

[@TranslationalRP](https://twitter.com/TranslationalRP)