

# Medical Physiology

## MHSc



Within a vibrant learning atmosphere, the Department of Physiology offers the Master of Health Science (MHSc) in Medical Physiology. This program is designed to address the rapidly emerging need for professionals who can interpret near-infinite amounts of data generated by clinicians at the bedside, researchers at the bench, and emergent health technologies every single day. Students successfully complete this program in one year.

Led by world-class faculty, the unique combination of coursework and hands-on experience ensures our graduates are equipped with the knowledge and skills sought in today's competitive health-related workforce. The program culminates with a work placement in an industry, hospital, or government setting. A professional development component runs throughout the program to ensure our students succeed and help them find a career they love.



**Students in this program complete  
6.0 FCE\***

### Year One

- PSL4000Y, Seminars and Graduate Professional Development (1.0 FCE)
- PSL4010Y Mentored Literature Review Project in Physiology (1.0 FCE)
- PSL4020Y Medical Physiology Practicum (1.0 FCE)
- PSL4030H Clinical Physiology (0.5 FCE)
- PSL4040H Big Data and Health (0.5 FCE)
- PSL4050H Collaboration and Commercialization in Physiology (0.5 FCE)
- 1.5 FCE elective courses

*\*Full course equivalent. A typical 0.5 FCE is over one term (13 weeks), meeting 1-2 times per week. A typical 1.0 FCE is over two terms (26 weeks), meeting 1-2 times per week.*



## Alumni profile

Elly Zhou, MHSc

Graduated 2021



My name is Elly and I recently finished my MHSc in Medical Physiology. I loved the Big Data component of the program, especially the machine learning aspect. After I graduated, I was hired full-time as a research assistant by UHN's Latner Thoracic Surgery Research Lab, where I did my summer placement during my MHSc.

I'm able to apply a lot of the concepts from my MHSc to my current project – trying to improve AI-based diagnostics in lung transplants. It feels meaningful and we can hopefully help more patients as we develop the algorithm. My advice to prospective students is to work hard, stay open minded, and follow your heart!

## By the numbers

24

number of  
students in the  
program

12

number of months  
to complete the  
program

1 in 2

students employed  
after graduation via  
placement

## Application Deadlines

### ADMISSIONS

Fall 2024 Entry

### ROUND 1

January 17, 2024

### ROUND 2

May 10, 2024



How to Apply:  
[physiology.utoronto.ca/overview-programs](https://physiology.utoronto.ca/overview-programs)  
Email: [graduate.physiology@utoronto.ca](mailto:graduate.physiology@utoronto.ca)