

# MHI

Master of  
Health Informatics



AN INTERDISCIPLINARY  
DEGREE THAT USES  
*DIGITAL* TECHNOLOGY  
TO IMPROVE HEALTHCARE.



**DALHOUSIE  
UNIVERSITY**

FACULTY OF  
COMPUTER SCIENCE

[dal.ca/mhi](http://dal.ca/mhi)

# HELP SHAPE THE **FUTURE** OF HEALTHCARE

Health informatics is changing the practice and delivery of healthcare by providing technology-enriched solutions to bridge the knowledge and information gaps experienced within the healthcare system.

Our interdisciplinary Master of Health Informatics program – a collaboration between Dalhousie's faculties of **Computer Science** and **Medicine** – has health as the focus and technology as the enabler. You will be trained to analyze, design, and evaluate digital health solutions to improve all aspects of healthcare from the delivery of patient care to the promotion of healthy living.

## **WHY CHOOSE HEALTH INFORMATICS AT DAL?**

1. **Create opportunities:** A master's in health informatics is added value to your **career** and will open up new opportunities for you in the Canadian healthcare system.
2. **No prior technology degree needed:** You don't need a previous degree in health informatics or information technology to join the program. We consider people from **health and informatics backgrounds**.
3. **Part-time option:** This flexible degree can be done **part-time** so you don't have to leave your job.
4. **Internship or thesis:** We are one of the few programs that have the option for an **internship** or a **research thesis**—you choose.
5. **Learn in person:** Share ideas and insights among experienced faculty members and classmates with a range of diverse backgrounds and professional experiences.
6. **Interdisciplinary:** Our program is a unique partnership between the faculties of Computer Science and Medicine so you will get exposure to healthcare issues and solutions from both healthcare professionals and computer science experts.
7. **Research intensive:** Develop interesting and innovative solutions to prevailing healthcare challenges. Publish your **research**, get recognized, and bring it into your profession.
8. **Award-winning students:** Four of our Master of Health Informatics students have won the **COACH Steven Huesing Scholarship**, a national award for excellence in health informatics.



## **2 STREAMS:**

Both streams take a minimum of 16 months to complete.

### **THESIS:**

A thesis focused on producing new knowledge and solutions

9 core courses and 1 elective

### **INTERNSHIP:**

A 4-month paid internship at a health informatics organization

9 core courses and 3 electives

## **CORE COURSES**

Core courses are taught by experts and include a range of health informatics specific courses that cover relevant health informatics topics such as: Health Information Flow and Use; Health Information Systems; Health Information Standards; Healthcare Knowledge Management, Health Data Analytics, Fundamentals of Clinical Care for Non-Clinicians; Research Methods; and IT Project Management.

## **DEGREE OUTCOMES**

By the time you finish, you'll be able to:

- Manage health information and health data analytics
- Design health information systems
- Evaluate health IT outcomes
- Manage health information projects
- Conduct health information research
- Understand and use new health informatics technologies

## CAREER OPPORTUNITIES

### **A MASTER'S DEGREE IN HEALTH INFORMATICS**

from Dalhousie will open many new doors for your career. You could:

- Work as a health information analyst/specialist in a healthcare organization
- Become a health informatics consultant
- Join the health informatics industry to design, develop, and deploy health IT products and services
- Pursue a research career in a university as a PhD student or join industry
- Analyze health data to derive intelligence by becoming a health data analyst
- Manage health IT projects

## WHO SHOULD APPLY?

### **NO PRIOR DEGREE IN HEALTH INFORMATICS OR IT NEEDED.**

Our program is well suited to working health professionals, information technology professionals, foreign-trained health professionals, and students direct from a bachelor degree. Our students come from a variety of backgrounds:

- Medicine and health professions
- Computer science and information technology
- Pharmacy
- Nursing
- Health education
- Dentistry
- Management

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### **FACULTIES OF COMPUTER SCIENCE AND MEDICINE**

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