



MASTER OF HEALTH INFORMATICS

CAREER OPPORTUNITIES

With Waterloo's Master of Health Informatics, you will become one of the very few skilled professionals who can bridge the fields of medicine and computer science. While there are shortages of health informatics professionals of all types, there is a critical shortage of those with a deep understanding of the technical aspects of creating and maintaining health informatics solutions. According to a recent survey conducted by the American Society of Health Informatics Managers, 90% of employers also prefer information technology experts with knowledge relevant to the health sector. Waterloo's MHI program seeks to help address the healthcare industry's needs by providing a graduate level experience that will prepare you to work in this complex emerging field as soon as you graduate.

DO YOU WANT TO MAKE A DIFFERENCE?

You can with Waterloo's new Master of Health Informatics (MHI) program. We designed our program specifically for you - a professional who already has a background in information technology.

Health Informatics (HI), a rapidly developing field for IT professionals, provides an outlet for you to make a difference by applying your technical skills to address problems in the health field. At Waterloo, you will collaborate with research pioneers and industry experts who also share your passion for computer science and information technology. According to Canada's Health Informatics Association, there's a pressing need for health informatics professionals from Integration Analysts and Solution Architecture Leads to Information Technology Directors and Chief Privacy Officers.

THE WATERLOO WAY

The MHI program provides a strong academic foundation to support a career in HI. The David R. Cheriton School of Computer Science's professors have effective connections within the industry that will allow you to gain insight into the practice of healthcare and the pressing problems in HI. Waterloo also manages the world's largest post-secondary co-op program. You are guaranteed to have the best of both worlds at Waterloo.

"Looking ahead, Waterloo plans to fundamentally reinvent what a university can be, mean, and do."

David Johnston, President, University of Waterloo

UNIVERSITY OF WATERLOO

Master of Health Informatics
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MAKE WATERLOO YOUR REALITY.
 Apply today: cs.uwaterloo.ca/grad/admissions

WATERLOO

Master of Health Informatics



Master the use of information technology to solve health challenges

MASTER THE USE OF INFORMATION TECHNOLOGY TO SOLVE HEALTH CHALLENGES

Want to help solve tough problems such as:

- How could you consult a doctor without leaving home?
- Could a computer diagnose diseases?
- Could a computer model tell us whether closing schools would stop the spread of the flu?
- How could technology empower people to become active managers of their own health and health care?
- How can we collect, store, and move massive amounts of health information safely and securely?

If these questions excite you, join us for our new Master of Health Informatics degree. In just over one year, you will acquire the knowledge, skills and practical experience necessary to help solve today's complex technical challenges within computerized medicine. This includes an internship term spent as part of the largest cooperative education program in the world. Already working in HI? We may have an opportunity for you to combine your employment while completing our MHI part-time.

MHI @ A GLANCE

The University of Waterloo MHI program consists of nine courses with an optional co-op placement with one of our global employers.

REQUIRED COURSES:

- HSG 611** The Health Care System
- CS792** Health Informatics I – Data Structures and Standards
- CS793** Health Informatics II – Application Domains
- CS640** Principles of Database Management and Use
- CS645** Software Requirements Specification and Analysis
- CS655** System and Network Architectures and Implementation
- STAT 631** Introduction to Statistical Methods in Health Informatics

ELECTIVES:

Two graduate courses chosen from Computer Science or, with permission, from course offerings in Statistics and/or Health Studies.

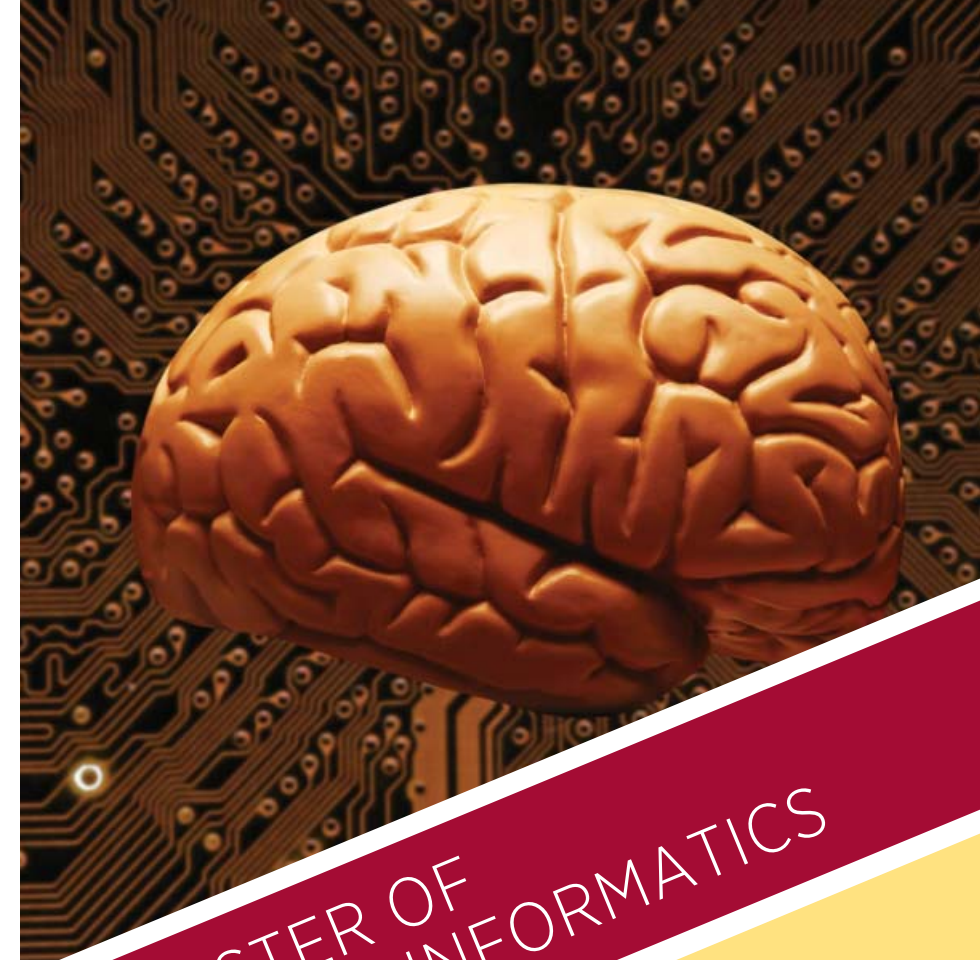
OPTIONS:

The program has two course sequence streams:

- Co-op students follow a 16-month program beginning in the fall with a co-op placement term occurring during the third term in the program.
- Regular stream students follow a 12-month program and complete their coursework in 3 terms or 12 months.

NOTE: Even though the program is designed for full-time enrolment, we will consider part-time applicants on a case-by-case basis. With part-time studies, students can take one class per term.

#1 – ranking in Maclean's reputation survey for most innovative and best overall university in Canada that's most likely to produce leaders of tomorrow



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WHY WATERLOO?

Imagine a university that embraces innovation and cutting-edge research by some of the most driven graduate students and supportive, award-winning faculty in Canada. Imagine a university where Bill Gates says he finds the best talent in the world: one that fosters a diverse offering of disciplines, from health sciences to computer science, from philosophy to software engineering. Imagine a university on a spacious campus located in a beautiful, welcoming city that boasts numerous parks, sport facilities, museums, restaurants and shopping destinations.

IMAGINE YOURSELF AT WATERLOO.

