

INFORMATION TECHNOLOGY MANAGEMENT

CO-OP OR REGULAR

#1 in Canada for partnerships with employers

2 years paid co-op work experience

Create innovative solutions for business problems

The effective management of information technology is now a critical component of virtually every enterprise. In this program, you'll combine courses from mathematics, business, and information technology that will teach you about system analysis, databases, business, management information systems, etc. You'll develop the skills you need to create innovative solutions to business-related problems. Information Technology Management will prepare you for a wide range of job opportunities in fields such as project management, database management, systems analysis, and business consulting.

YU RECOMMENDS THESE COURSES

- › **CS 330 Management Information Systems:** You learn about information systems and their strategic role in business, including organizational requirements, decision support systems, and data and information management.
- › **CS 338 Computer Applications in Business: Databases:** A user-oriented approach to the management of large collections of data, including storage, selection, and presentation of data.
- › **MSCI 311 Organizational Design and Technology:** The focus of this course is on how to design both the technical and organizational systems to ensure their compatibility.
- › **COMM 431 Project Management:** I'm looking forward to this course because it will give me hands-on training with project management tools so that I'll be able to plan, allocate tasks, estimate costs, assess risks, and deal with potential issues.

96.6% of grads are employed within 2 years

YU

INFORMATION TECHNOLOGY MANAGEMENT, JOINT HONOURS STATISTICS, MINOR COMPUTER SCIENCE

WHAT HAVE YOU ENJOYED MOST ABOUT WATERLOO?

I chose University of Waterloo because of its amazing co-op program, wide industry connections, and innovative community. University of Waterloo prepares you well to become an independent, curious, hardworking, innovative, and professional individual. There are a lot of opportunities on campus for you to grow, improve, and be innovative.

uwaterloo.ca/future-students/programs/information-technology-management



UNIVERSITY OF WATERLOO



WATERLOO IS A GLOBAL LEADER IN CO-OPERATIVE EDUCATION



When Yu has time between classes, she can be found taking photos of campus life. She's an active member of the Photography Club.

CO-OP STUDENTS AT WORK

Co-op bridges the gap between the classroom and the real world. Find opportunities to connect classroom theory with applications in a wide range of employment settings. During your co-op work terms, you will assume various job responsibilities, pick up new work-related skills, and earn competitive salaries.

TYPICAL CO-OP POSITIONS

- › Simulator Support Student, Bruce Power Inc., Kincardine
- › Analytics Solutions Analyst, Loyalty One Inc., Toronto
- › Software Engineering Intern, Google, Waterloo
- › Project Analyst – Investment Information Technology, Ontario Teacher's Pension Plan Board, Toronto
- › Information Technology Development, Teva-Novopharm, Scarborough

STUDY AND CO-OP SEQUENCE 1*

| YR. | TERM | REGULAR | SEQ. 1 |
|-----|--------|---------|-------------|
| 1 | Fall | Study | Study |
| | Winter | Study | Study |
| | Spring | Off | Work |
| 2 | Fall | Study | Study |
| | Winter | Study | Work |
| | Spring | Off | Study |
| 3 | Fall | Study | Work |
| | Winter | Study | Study |
| | Spring | Off | Work |
| 4 | Fall | Study | Study |
| | Winter | Study | Work |
| | Spring | | Study |
| 5 | Fall | | Work |
| | Winter | | Study |

* This study-work sequence is one of 4 choices of co-op sequences.

UNDERGRADUATE RESEARCH OPPORTUNITIES

If you're curious about the research that professors conduct, research opportunities are available for strong undergraduate students. You could be paid for a part-time opportunity, or a full-time position may substitute as a co-op term. It's not uncommon for students to publish their work.

You can find details about the application, deadlines, and examples of research conducted by previous undergraduates in the department and school websites. Successful applicants are then matched with a professor. You'd be well suited for a research position if you want to pursue a master's and/or doctoral degree after completing your undergraduate studies.

CUSTOMIZE YOUR DEGREE

In your upper years, you'll take a mix of courses in computer science and math, along with business and economics courses. You can then choose electives from 100 subject areas, and even include a minor. You'll graduate with a Bachelor of Mathematics degree and the skills to work as a business or technical consultant, systems analyst, database administrator, or web programmer.

GRADS AT WORK

- › Quality Assurance Analyst, D2L, Kitchener
- › Software Development Engineer, Amazon, Toronto
- › Investment Banking Analyst, CIBC, Toronto
- › Senior Technical Architect, My Media Inc., Mont Tremblant
- › Financial Advisory Consultant, Deloitte, Montreal
- › Business Systems Analyst, Manulife, Waterloo
- › Senior Analyst, Loblaw Companies Ltd., Brampton



@waterloo.math



@WaterlooMath



@waterloomath

FACULTY OF MATHEMATICS
ITM ACADEMIC ADVISOR
MICHAEL LIU, BSC, MSC

michael.liu@uwaterloo.ca