

# MATHEMATICS AND BUSINESS ADMINISTRATION SINGLE DEGREE

CO-OP OR REGULAR

**40+** year partnership with Laurier's Lazaridis School of Business and Economics

**#1** in Canada for partnerships with employers

**1,800+** Math/Business Admin grads employed around the world

*Get the technical know-how to solve business problems*

The Math/Business Admin single degree program provides more advanced quantitative and technical skills than traditional business or commerce programs. You'll take courses from Waterloo's world-class Faculty of Mathematics and Wilfrid Laurier's highly respected Lazaridis School of Business and Economics. Our students benefit from the 40+ years of well-established ties the math/business programs have with industry for co-op jobs before, and careers after, graduation.

## NICHOLAS' FAVOURITE COURSES

- › **ACTSC 371 Introduction to Investments:** An introduction to financial mathematics. If you enjoy finance and investments, this is the course for you!
- › **AMATH 350 Differential Equations for Business and Economics:** Explore first order ordinary differential equations; make sure you do your readings ahead of class.
- › **BU 352W Introduction to Marketing Management:** Learn the basic concepts of marketing: marketing strategy and mix, and consumer and environmental analysis, all from the perspective of the marketing manager.
- › **CS 338 Computer Applications in Business: Databases:** A user-oriented approach to the management of large collections of data. You'll learn really useful skills like SQL.
- › **PHIL 215 Professional and Business Ethics:** In this course, you study the ethical and moral issues that arise in professional and business activity. You examine the responsibilities that people in business have to society.

NICHOLAS

MATH/BUSINESS  
ADMINISTRATION, CO-OP

## WHY WATERLOO?

The co-op program is renowned, and it was important for me to balance school studies with real-life work experiences while I earned some money. I wanted the whole "university" life experience, so by picking Waterloo, it meant I was able to move away from home and live in residence.

[uwaterloo.ca/future-students/programs/mathematics-business-administration](http://uwaterloo.ca/future-students/programs/mathematics-business-administration)



UNIVERSITY OF  
**WATERLOO**



# WATERLOO IS A GLOBAL LEADER IN CO-OPERATIVE EDUCATION



Nicholas' extracurriculars include being a Math Ambassador and a Special Events Residence Ambassador.

## 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

- › Insurance Associate Intern, General Electric, **Nicholas' first work term**
- › Trading Assistant, US Syndicate, TD Bank Financial Group, Toronto
- › Customer Service Representative, TD Bank, Waterloo
- › Project Financial Analyst, Ontario Teachers' Pension Plan, Toronto
- › Business Analyst, TD Securities, Toronto

## STUDY AND CO-OP SEQUENCE 1\*

YR.	TERM	REGULAR	SEQ. 1
1	Fall	Study	Study
	Winter	Study	Study
	Spring	Off	<b>Work</b>
2	Fall	Study	Study
	Winter	Study	<b>Work</b>
	Spring	Off	Study
3	Fall	Study	<b>Work</b>
	Winter	Study	Study
	Spring	Off	<b>Work</b>
4	Fall	Study	Study
	Winter	Study	<b>Work</b>
	Spring		Study
5	Fall		<b>Work</b>
	Winter		Study

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

## INDUSTRY APPLICATIONS

The Mathematics/Business Administration plan provides an opportunity to combine courses in actuarial science, computer science, optimization, and statistics with courses in accounting, business, economics, human resource management, and management sciences. Graduates are well-prepared to use sophisticated analytical techniques in the solution of business-related problems and adapt to the rapidly changing modern business environment.

## CUSTOMIZE YOUR DEGREE

Once you're in your second year, you can customize your degree based on your interests and career goals. You may be able to switch to a different major in Information Technology Management, Financial Analysis and Risk Management, or Economics. You may choose to add a minor in Statistics or Human Resources, or declare a computer technology option.

## GRADS AT WORK

- › Risk Analyst, Genworth Financial Canada, Oakville
- › Infrastructure Engineer, CIBC, Toronto
- › Sr. Financial Analyst, Citigroup Inc., New York
- › Human Resources Manager, MKS Inc., Waterloo
- › Web Developer, Canada Law Book Inc., Aurora
- › Account Manager, Rich Brands LLC, Vaughan
- › National Accounts Administration, Xerox, Toronto
- › Expense Analyst, CIBC, Toronto



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FACULTY OF MATHEMATICS  
MATH/BUSINESS ADMINISTRATION SINGLE DEGREE  
ACADEMIC ADVISOR

MICHAEL LIU, BSC, MSC

[michael.liu@uwaterloo.ca](mailto:michael.liu@uwaterloo.ca)