

FINANCIAL ANALYTICS, B.Sc. (Honours)

STARTING
SEPTEMBER
2020

A NEW FUTURE-READY DEGREE FOR THE NEXT GENERATION OF FINANCIAL PROFESSIONALS
AVAILABLE AT TRENT UNIVERSITY'S PETERBOROUGH CAMPUS

From economic reasoning and computational expertise to quantitative data analysis, the new Financial Analytics Bachelor of Science (B.Sc.) degree at Trent University will equip graduates with the skills and experience required to build a successful career in today's increasingly complex financial world. This one-of-a-kind degree provides the ideal foundation for pursuing further designations as a Chartered Professional Accountant (CPA), Chartered Financial Analyst (CFA), and more.

Study in the Only Financial Analytics Program of Its Kind

Trent's Financial Analytics B.Sc. combines all aspects of finance – from mathematics and statistics, to economics, business and computing – an advantage that no other program can offer. As the name suggests, this new degree covers more than just finance; Financial Analytics focuses on the analytical skills applied to financial problems. Students will learn to analyze industry trends and implement real-world data models to contribute to and lead developments in the ever-evolving world of finance.

PROGRAM HIGHLIGHTS

Explore our Financial Analytics B.Sc. courses

MATHEMATICS

- Calculus I
- Calculus II
- Linear Algebra I
- Probability I
- Calculus III
- Ordinary Differential Equations
- Linear Algebra II
- Statistics I: Introduction and Applications
- Probability II: Intermediate Probability
- Introduction to Numerical and Computational Methods
- Mathematical Finance
- Mathematical Risk Management
- Linear Models
- Partial Differential Equations
- Linear Programming
- Discrete Optimization
- Mathematical Modelling I
- Advanced Numerical Methods
- Advanced Mathematical Methods for Economics
- Stochastic Processes
- Experimental Design
- Topics in Statistics

ECONOMICS

- Introductory Microeconomics
- Introductory Macroeconomics
- Intermediate Microeconomic Theory I
- Intermediate Macroeconomic Theory I
- Financial Economics
- Econometrics
- Topics in Econometrics

ADMINISTRATION

- Financial Accounting I
- Financial Accounting II
- Financial Management
- Financial Management II

COMPUTING

- Programming for Computing Systems



trentu.ca/futurestudents/financialanalytics

Subject to Ministry approval. Prospective students are advised that offers of admission to a new program may be made only after the university's own quality assurance processes have been completed and the Ontario Universities Council on Quality Assurance has approved the program.

TRENT UNIVERSITY 

APPLY YOUR KNOWLEDGE. BE CAREER-READY.

Students in the Financial Analytics B.Sc. will learn from experts across the University – working alongside leaders from the prestigious School of Business and Departments of Mathematics and Economics. From computer labs and case analyses, to research projects and virtual trading (just to name a few), students will also have the opportunity to extend their knowledge beyond the classroom and into hands-on, career-boosting experiences.

FEATURED CAREER PATHS: FINANCE AND COMMERCIAL AFFAIRS ANALYST

Financial and investment analysts collect and analyze financial information to provide financial and investment or financing advice for their company or their company's clients. Their studies and evaluations cover areas such as takeover bids, private placements, mergers or acquisitions. Financial analysts are employed by a wide range of establishments throughout the private and public sector. Investment analysts are employed primarily by brokerage houses and fund management companies.



\$40K-\$95K /year
SALARY RANGE



63,800
JOBS IN CANADA



27,400+
10YR JOB OUTLOOK

Source: Government of Canada

CAREER OPPORTUNITIES

- Financial Advisor
- Chartered Accountant
- Financial and Commercial Affairs Analyst
- Business Intelligence Consultant
- Brokerage Specialist
- Credit Risk Analyst
- Financial Reporter
- Personal Financial Advisor
- Actuary
- Stockbroker
- Securities Sales Agent
- Investment Manager

LEARN MORE & APPLY TODAY

trentu.ca/futurestudents/financialanalytics
+1 705.748.1314
international@trentu.ca



Dr. Wesley Burr

Assistant Professor
Mathematics, Trent University

“The Financial Analytics degree is designed to produce graduates who are strongly computational, analytical and also interdisciplinary. Graduates will be prepared for a wealth of careers across the public sector, the non-profit sector and finance itself.”



UNIQUELY QUALIFIED

Watch this short video to hear from award-winning Mathematics professor Dr. Wesley Burr about what makes this new program truly unique.

Scan the QR code to watch it.

PROGRAM-AT-A-GLANCE

**YEAR
1**

Introductory foundations in mathematics, economics and accounting; building a framework for financial theory and application

**YEAR
2**

Introduction of advanced topics; further foundational mathematics theory, intermediate economics, and another exposure to accounting; build knowledge in the fundamental area of probability

**YEAR
3**

Choose to specialize within finance: applied mathematics, statistics, optimization, business, economics and computing

**YEAR
4**

Capstone courses all directly related to finance: Business (Derivatives, Financial Management II); Economics (Econometrics II); and Mathematics (Risk Management), Further specialize in topics of interest

#1 IN CANADA FOR
SCHOLARSHIPS

90%

TRENT GRADS EMPLOYED

SIX MONTHS AFTER GRADUATION;

93% AFTER TWO YEARS

TRENT UNIVERSITY