



CENTRE FOR FINANCE, INFORMATION, AND TECHNOLOGY

INFORMATION PACKAGE





In 15 years, **85%** of the jobs that will exist will not have been invented yet.

CERTIFICATION BY

THE FIELDS INSTITUTE



FIELDS

The Fields Institute, is an international centre for scientific research in mathematical sciences. It is an independent non-profit with strong ties to 20 Ontario universities, including the University of Toronto, where it occupies a purpose-built building on the St. George campus.

The Institute is internationally renowned for strengthening collaboration, innovation, and learning in mathematics and across a broad range of disciplines.

One of the Institute's flagship events, The Fields Medal Symposium, was founded in 2012 and is endorsed by the International Mathematical Union. The annual event honours a Fields Medalist and aims to gather researchers from across the globe to discuss, advance and celebrate the honouree's area of inquiry, and inspire a new generation of mathematicians and to extol the virtues of mathematics to the general public.

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FACULTY



Prof. Luis Seco

Director of Financial Mathematics
University of Toronto



Prof. Rudi Zagst

Director, Finance & Information Technology
Technical University of Munich



Prof. Walter Farkas

Program Director MSc, ETH Quantitative Finance
ETH Zurich



Prof. Petter Kolm

Director, Financial Mathematics
New York University (NYU)



Prof. Hamid Arian

Assistant Professor, Finance
York University



Prof. Enrique Villamor

Director, Risk Analysis & Management
Florida International University



Prof. Alik Sokolov

CEO of Responsibli & Instructor at Master of Mathematical Finance
University of Toronto



Prof. Gaber Fath

Professor & Head of RiskLab
Eötvös University

ALUMNI



Maximilian Poetz

Vice President at AllianzGI

Max is a Vice President and Team Lead at Allianz Global Investors in Frankfurt, specializing in developing sales-related applications across European entities. With a background in Business Informatics, he launched his career through a graduate program at Allianz Deutschland, quickly ascending to leadership roles. Max combines his professional expertise with personal interests in finance, mathematics, and computer science, actively managing his investment portfolio and diving into research. An enthusiastic scuba diver, he also draws inspiration from his favorite book, Robert Oppenheimer's biography.

Dhinesh Murugesan

Assistant Vice President/Data Engineer

Dhinesh is an Assistant Vice President and Data Engineer at Allianz Global Investors in Frankfurt, with a background in Electrical Engineering and Computer Science. Experienced in data operations and project management, Dhinesh excels in leveraging technology to enhance efficiencies and drive innovation. Prior to Allianz, he worked at Capgemini Engineering in Munich, focusing on AI and software development. Beyond his technical expertise, Dhinesh enjoys exploring global cuisines and traveling to new destinations.



PRICING

Course Name	Bundle Pricing*	Individual Course Pricing	Duration
Level 1	\$6,000		24 weeks
Module 1: Foundations of Digital Finance	\$3,000		12 weeks
<i>Linear Algebra</i>		\$250	1 week
<i>Advanced Calculus</i>		\$250	1 week
<i>Differential Equations</i>		\$250	1 week
<i>Mathematical Foundations of Digital Finance</i>		\$750	3 weeks
<i>Static Data Science</i>		\$500	2 weeks
<i>Dynamic Data Science</i>		\$250	1 week
<i>Computational Data Science</i>		\$250	2 weeks
<i>Optimization and Decision Support</i>		\$250	1 week
<i>Machine Learning 1</i>		\$250	2 weeks
<i>Python Project</i>		\$250	1 week
Module 2: Foundations of Financial Engineering	\$3,000		12 weeks
<i>Financial Economics</i>		\$500	2 weeks
<i>Financial Engineering 1</i>		\$1,000	4 weeks
<i>Investment Management 1</i>		\$1,000	4 weeks
<i>Ethical and Professional Standards</i>		\$250	1 week
<i>Business Case</i>		\$500	2 weeks
<i>Examination</i>		\$500	-
Level 2	\$6,000		24 weeks
Module 1: Quantitative Methods in Digital Finance	\$3,000		12 weeks
<i>Computational Engineering</i>		\$750	3 weeks
<i>Dynamic Data Science 2</i>		\$500	2 weeks
<i>Computational Data Science 2</i>		\$750	3 weeks
<i>Machine Learning 2</i>		\$750	3 weeks
<i>Data Science Case</i>		\$250	1 week
Module 2: Financial Engineering and Risk Manage	\$3,000		12 weeks
<i>Financial Engineering 2</i>		\$1,000	4 weeks
<i>Investment Management 2</i>		\$1,000	4 weeks
<i>Financial Risk Management</i>		\$750	3 weeks
<i>Examination</i>		\$500	-
Level 3	\$6,000		24 weeks
Module 1: Digital Technologies	\$3,000		12 weeks
<i>Computational Data Science 3</i>		\$750	3 weeks
<i>Dynamic Data Science 3</i>		\$500	2 weeks
<i>Machine Learning 3</i>		\$500	2 weeks
<i>Big Data & Analytics</i>		\$500	2 weeks
<i>Digital Financial Markets: Blockchain Technologies & Digital Currencies</i>		\$500	2 weeks
<i>Business Case</i>		\$750	3 weeks
Module 2: New Trends in Financial Engineering	\$3,000		12 weeks
<i>Data Visualization & Business Intelligence</i>		\$750	3 weeks
<i>Socially Responsible Investing</i>		\$750	3 weeks
<i>Cybersecurity</i>		\$750	3 weeks
<i>Technology Innovation in Regulation and Compliance (RegTech)</i>		\$500	2 weeks
<i>Business Case</i>		\$500	2 weeks
All Levels	\$18,000		72 weeks

SPECIAL OFFER: Sign up for all 3 levels for a total of \$14,000 (22% off)

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For more detailed information on course breakdown, please reach out to info@fit-centre.com