

ABOUT THE INSTITUTE OF FINANCIAL TECHNOLOGISTS OF ASIA (IFTA)

IFTA aims to improve the quality and effectiveness of FinTech education and qualifications in Asia. IFTA is committed to promoting the effective application of Information and Communication Technology (ICT) in the financial industry, the development of the field for the benefits of the interested parties including their colleagues and the profession, and transitioning the world to smart sustainable FinTech development. IFTA offers up-to-date educational events with the latest in financial and technological changes ensuring its members are at the forefront of the industry.

IFTA provides Certified Financial Technologist (CFT) for members who passed the examinations of Level 1, 2 & 3 of CFT examinations. The CFT covers the fundamentals of finance and technology to ensure students thoroughly understand the banking process, how technology assists, the deeper company perspective, wider industry movements and latest development of FinTech in Asia. In gaining the CFT qualification, members will demonstrate to their employer and the industry at large, an unparalleled understanding of financial markets, the products traded by leading organizations, and the technological processes required to support them.

Guest Speakers

Fred Ngan, Co-Founder & Co-CEO of Bowtie; Council Member of IFTA
Brian Chiang, Head of International Coverage of HSBC; Council Member of IFTA
Rogers Chan, Managing Partner of ImpactInvest; Council Member of IFTA
Ashley Khoo, Board Members of The Hong Kong Society of Financial Analysts; Council Member of IFTA
Ken Lo, Deputy Chairman of BC Group
Jason Lau, Adjunct Professor, Chief Information Security Officer of Crypto.com

ENTRY REQUIREMENTS

Applicants shall have:

gained in the HKDSE Examination Level 2 in 5 subjects including English Language and Chinese Language or equivalent.

Applicants who do not possess the above academic qualifications but are aged 21 or above with relevant work experience will be considered on individual merit.



QF Level : 4
QR Registration No. : 20/000091/L4
Validity Period : 01 Mar 2020 - on-going

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ENQUIRIES

Every effort has been made to ensure the contents of this brochure are correct at the time of printing. HKU SPACE reserves the right to update the contents of the brochure at any time without notice and this brochure does not form part of contract between the students and the School. Information in the HKU SPACE website is the most up-to-date version and supersedes the printed brochure, whenever applicable.

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FINANCE

Advanced Diploma in FinTech

FN049A

Inspiring Your Future

Business Education@HKUSPACE



HIGHLIGHTS

This programme helps prepare students to start their career in FinTech with our practitioner-led education in a stimulating package. Various enrichment activities such as

PROGRAMME FEATURES

- Taught by seasoned practitioners in FinTech
- Get latest insights from FinTech field
- Fast-track, one-year part-time programme with 6 modules
- Interactive case studies
- In-class FinTech application simulations

The programme covers part of the body of knowledge of Certified Financial Technologist (CFT) examination offered by the Institute of Financial Technologist of Asia (IFTA).

field visits and guest talks will be arranged for students which will be a useful networking platform with industry practitioners in FinTech.

FinTech field trips will be organized in collaboration with the IFTA to enrich students' learning experience in areas of big data, digital payment, blockchain, AI, cryptocurrencies, cyber security, and other FinTech solutions. The field trips include FinTech company visits in Cyberport or Science Park in Hong Kong. During the field trip visits, demonstration of latest solution in FinTech and informative talks by the company representatives will be arranged.



Programme Structure

The programme aims to provide fundamental knowledge on finance applications of blockchain technology, digital currencies, big data and financial analytics. It covers digital banking, payment systems, blockchain, cryptocurrencies, peer to

peer lending, crowdfunding, quantitative methods in financial analysis and big data analytics in finance. The programme develops students with programming skills in Python and put them into practice to solve real world finance problems.

Module Title	
Module 1	Introduction to FinTech
Module 2	Principles of Finance
Module 3	Programming for FinTech Applications
Module 4	Quantitative Methods for Finance
Module 5	Blockchain Applications and FinTech
Module 6	Big Data Applications and Financial Analytics

Students are required to complete modules 1 to 4 before proceeding to modules 5 and 6.

Duration and Mode of Study

This programme can be completed within 1 year.

Programme Mode: Part-time
Medium of instruction : English

Module Outlines

Module 1: Introduction to FinTech

This module introduces the basic concepts of FinTech, covering the emerging technologies of FinTech and regulatory challenges in FinTech. It examines main FinTech landscape including digital payment, peer to peer lending, cryptocurrencies, robo-advisor and regulatory technologies.

Module 2: Principles of Finance

This module aims to introduce basic concepts in finance and financial valuation models. It covers the main features of international stock and bond markets, fundamental features of bond analysis and trading, key features of global stock markets, equity valuation and risk management.

Module 3: Programming for FinTech Applications

This module will introduce the basics of the Python programming environment, including fundamental Python and R programming techniques and the use for various libraries. It will cover data manipulation

and cleaning techniques using the popular Python data science library.

Module 4: Quantitative Methods for Finance

This module provides students with the basic quantitative tools commonly used in business finance. Particular emphasis will be placed on the applications of statistical techniques in business and financial decision analysis.

Module 5: Blockchain Applications and FinTech

This module aims to offer students with a foundation of blockchain technology in the finance and investment fields. It gives an overview of the blockchain applications and introduces students to the regulatory issues of blockchain.

Module 6: Big Data Applications and Financial Analytics

This course equips students with the fundamental concepts and skill to apply financial analytics in finance and investment. Students can learn basic algorithmic and statistical techniques and hands-on application to perform big data analysis.

Assessment and Award

Students will be assessed by continuous coursework (60%) including assignments, projects, presentations, etc. and examinations (40%).

Upon completion of the programme, students will be awarded within the HKU system through HKU SPACE an Advanced Diploma in Financial Technology.

TUITION FEE

Application Fee HK\$200 (non-refundable)

Module 1	Introduction to FinTech	\$6,000
Module 2	Principles of Finance	\$4,250
Module 3	Programming for FinTech Applications	\$6,000
Module 4	Quantitative Methods for Finance	\$4,250
Module 5	Blockchain Applications and FinTech	\$4,250
Module 6	Big Data Applications and Financial Analytics	\$4,250