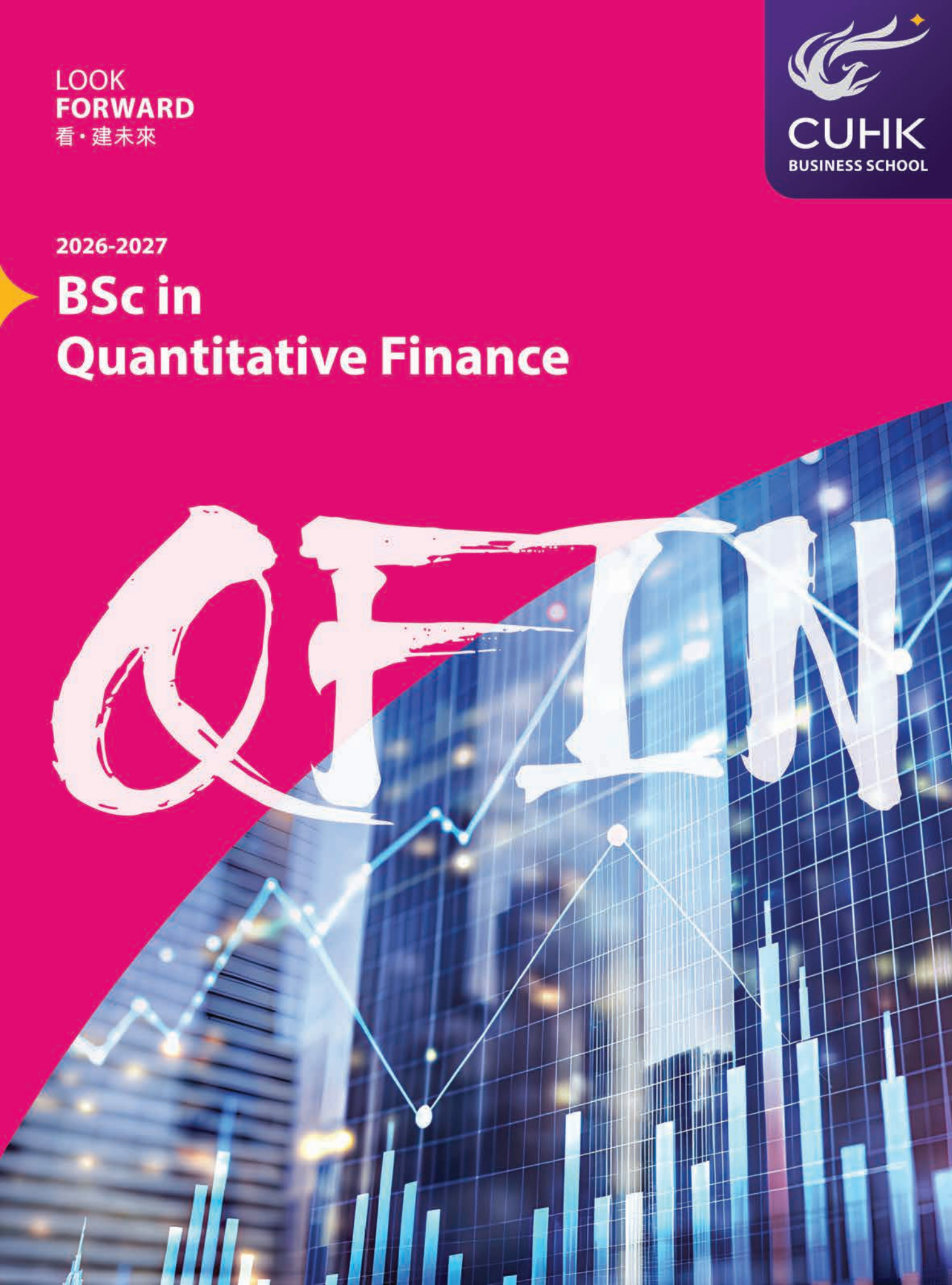


LOOK
FORWARD
看·建未來

2026-2027

BSc in Quantitative Finance

QFIN



Quantitative Finance (QFIN)

Since **its inception in 1998**, our Quantitative Finance (QFIN) programme has been dedicated to nurturing top talent in the fields of finance and banking, equipping them to lead and drive rapid economic expansion both on a regional and global scale. Currently, our graduates are taking on crucial roles within the financial sector, spanning diverse areas including investment banking, fund management, equity analysis, sales and trading, consulting, and numerous others. Equip yourself for a challenging and rewarding career in the financial industry through our programme's academic excellence, enriching learning components, and the extensive alumni network we provide.

Admission

For JUPAS Students (JUPAS code: JS4252):

Students who take the Hong Kong Diploma of Secondary Education (HKDSE) Examination can submit their applications for our programme through the JUPAS system. The first-year intake for this category comprises approximately 33 students.

For Non-JUPAS Students:

Both local and international students who possess qualifications other than the HKDSE results are welcome to apply for our programme through the Non-JUPAS scheme. For detailed information on admission requirements for non-JUPAS and international applicants, please refer to the Office of Admissions and Financial Aid website (<https://admission.cuhk.edu.hk>). The first-year intake for this category is approximately 10 students.



A photograph of several students sitting at desks in a computer lab, looking at multiple monitors displaying data and charts. The image is overlaid with a semi-transparent pink and purple gradient.

Why study with us?

Strong Alumni Network

Established in 1998, we are the first quantitative finance programme in Hong Kong. A rich history allows us to build a **strong alumni network**. Our alumni are now working in various positions in the financial industry, providing our current students with invaluable connections and opportunities. Furthermore, our alumni are dedicated to giving back to the programme and its students. They hold sharing sessions, teach classes, act as mentors, and provide scholarships to support the next generation of students.

Finance Trading Laboratory

Our **Finance Trading Laboratory** is another valuable resource for our students. Equipped with Bloomberg and Refinitiv terminals, our students have access to real-world data, which allows them to apply theoretical concepts to practical situations.

Vibrant Learning Community

Our programme's ability to attract talented and passionate students from diverse backgrounds has resulted in a dynamic and stimulating learning environment. In addition, our programme and associated society provide a wide range of activities designed to cultivate robust connections among peers and broaden their exposure. As a result, our students have achieved **outstanding performance in various investment competitions**, including CFA Institute Research Challenge, CQA Investment Challenge, FOAHK Case Competition, HKSII Case Competition, and McGill International Portfolio Challenge.

Free Electives: Discovering Your Passions

We believe that higher education is a time for students to explore their interests and passions. That's why, in addition to the required courses for their programme and the university, students are given **12 credits to choose from the free electives** that they want to explore. They can explore a diverse range of disciplines and uncover new passions. They can choose to pursue a minor in specialised fields of study, including but not limited to Computer Science, Economics, French, Mathematics, Philosophy, Statistics, and various others.

Extensive Career Support

Furthermore, we offer **extensive career support** to our students, encompassing mock interviews, resume critiques, networking events, career counselling, and professional connections. Additionally, we maintain close partnerships with corporations and organisations, facilitating internship and employment prospects for our students.

Your Learning Journey

In order to cultivate our students into future professionals in the financial industry, our programme places equal emphasis on classroom learning and enrichment activities.

Classroom Learning

During the first two years, students are required to take most of their core courses. Afterwards, they can choose the area they want to focus on by taking **elective courses (33 credits) and utilising the 12 free credits**. This allows students to select a minor in a field they are interested in. Some of the minors our students have chosen include Computer Science, Economics, French, Mathematics, Philosophy, Statistics, and many others.

Category	Sub-category	Credits
Programme Requirements	Faculty Package (Accounting and Business Economics)	9
	Faculty Co-curricular Courses	3
	Required Courses (Finance, Computer Science, Mathematics, and Statistics)	27
	Elective Courses (Quantitative Methods)	9
	Elective Courses (Business)	12
	Elective Courses (Finance)	12
	Language	13
University Core Requirements	General Education	19
	Others	7
Free Electives		12
Total		123

Enrichment Activities



Internships



Exchange Programme



Case Competitions



Financial Trading Laboratory



Extracurricular Activities



Sharing Sessions



Alumni Networking Events



Career Planning

Quantitative Finance 25th Anniversary and Annual Dinner

Following the four-year pause caused by the pandemic, the Society of Quantitative Finance proudly organised the 2023 annual Quantitative Finance dinner. The primary aim was to facilitate connections among our esteemed advisory board members, alumni, faculty, and, most importantly, our current students, creating a memorable evening for all attendees. This event held particular significance as we also **celebrated the 25th anniversary of our programme**. Below, we highlight some cherished moments from the event.



Internship Opportunities

Internships enrich and elevate the value of your undergraduate education, significantly enhancing your competitiveness in the financial job market. They provide valuable benefits such as practical experience, networking opportunities, skill development, career exploration, and resume enhancement.

Our students have demonstrated their ability to secure internships in various locations, including Hong Kong, the surrounding Greater Bay Area region, other cities in mainland China, and international cities like Frankfurt, London, New York, San Francisco, Seoul, Singapore and Tokyo.

Here are some key internship-related statistics:

1. More than **90%** of our students successfully complete at least one internship in a finance-related institution.
2. Students have the **flexibility** to take a leave of absence for one or more semesters during the programme to engage in full-time internships.
3. Students, on average, complete **three internships** during their academic journey.

I embarked on an exceptional journey as an intern in the Macro Trading team at Barclays. The fast-paced environment presented numerous challenges that pushed me to strive for excellence. Each day was a valuable learning experience, as I gained new knowledge and insights into the intricate workings of the financial market through various projects.

I am grateful for the solid foundation provided by the QFIN syllabus, which prepared me to work in a technical field within a prestigious international bank. I gained a comprehensive understanding of real-world trading processes and acquired practical skills. **The QFIN programme notably enhanced my quantitative abilities which are highly sought-after in the financial industry.** I firmly believe that without being a part of the QFIN community, the vital connection between my career passion and me would not have materialised.

Vincent POON
at Barclays
(Class of 2024)



Student Sharing



Gareth SIN
at Goldman Sachs
(Class of 2024)

"My off-cycle internship at Private Investor Product Group at Goldman Sachs was truly a fruitful experience. I acquired precious opportunities to delve into the process of selling various exotic structured products, such as accumulators, bonus enhancement notes and so on. Moreover, due to the customised nature of each structure for private banks and ultra-high-net-worth individuals, I frequently had to provide quotes for exotic products based on their specific requests. **There is no doubt that it was the QFIN programme that enabled me to establish essential skill sets and knowledge.** I am genuinely grateful that QFIN provided me with a constructive learning environment and ample platforms to achieve our career goals."



Jasmine KO
at BlackRock
(Class of 2021)

"My summer internship with BlackRock's Aladdin Wealth Tech team provided invaluable insights into the use and development of technology in risk and portfolio management. I worked closely with the client engagement team, focusing on the external relationship management of large institutional clients. The experience was deeply interactive - I got the opportunity to sit in on client meetings, thus gathering an effective understanding of the business as a whole and making the internship projects and presentations much more relevant and applicable. **The skills developed in-class with QFIN have certainly complemented my undertakings during the internship.**"



Alex PUN
at Nomura
(Class of 2022)

"Having interned in the Global Markets at Nomura, I was able to gain hands-on experience working across different functions (sales, trading, structuring and research) on the floor. While the internship has allowed me to learn from the technical side, I was also very fortunate to have listened to various career/industry insights shared by the seniors in the firm. I am grateful that the QFIN programme has equipped students well with both hard and soft skills needed to work in a professional environment. **Along with the mentorship programme supported by our strong alumni network, I was able to seek career advice from my mentor and understand more about the banking industry in advance.**"

Exchange Programme

CUHK has strong connections with universities worldwide, offering numerous opportunities for our students to gain international exposure. We believe that these cross-cultural experiences are vital for preparing students to thrive in a dynamic and global work environment.

- More than **85%** of our students participate in exchange programmes at least once.
- CUHK has established exchange partnerships with numerous universities across different continents.
- Our **flexible curriculum** includes free electives, allowing students to gain international exposure without extending their study period.
- The majority of students consider their journey in an exchange programme to be the **most unforgettable time** during their university life.

Trista JIANG

at University of Pennsylvania
(Year 5 Student)

"The exchange to the University of Pennsylvania is definitely a rewarding experience. Exchanging at Wharton allowed me not only to learn from accomplished professors but also from my classmates and other MBA students from diverse backgrounds. In addition, I had the opportunity to travel around the US and visit neighbouring countries like Canada and Mexico. **I cherished this international experience, which made me more independent, open-minded, and confident.**"



Eleanor WANG

at University of Toronto
(Class of 2025)

During my time as an exchange student at the University of Toronto, I had the opportunity to immerse myself in a unique educational experience. Beyond academics, I had the chance to explore the beauty of North America. My exchange programme also encouraged me to step out of my comfort zone and try new activities such as skating and skiing, **creating lasting memories that I will cherish throughout my life.**"



Gabriena ONGKY

at University of Aberdeen
(Class of 2021)

"The whole three months I spent at Aberdeen University was one of the best experiences I have had – I was exposed to different cultural backgrounds, perspectives, and teaching methods compared to Hong Kong. Besides, I went to different cities/countries with friends to explore the UK and European countries during the weekends. **What an incredible experience which I won't forget.**"



Ivy SHEN

at HEC Paris
(Class of 2025)

"The semester I spent at HEC Paris, France, **would engrave on my heart and become my lifelong memory.** Locating in the city of romance — Paris, I had the opportunity to visit numerous famous monuments throughout history. Meanwhile, I can meet people and make friends of various backgrounds from different parts of the world in this diverse unity."



Thomas CHAN

at Copenhagen
Business School
(Class of 2025)

"My exchange journey to Copenhagen Business School in Denmark was **a once-in-a-lifetime opportunity that exceeded all of my expectations.** Denmark's reputation as a happy nation and its 'hygge' culture provided a truly unique and enriching experience for me. Furthermore, I had the remarkable chance to explore numerous European countries, each offering its own distinctive charm and cultural tapestry."



Benny NG

at Australian National
University
(Class of 2025)

One standout opportunity of my learning journey was the semester I spent on exchange at the Australian National University. Living alongside locals and internationals gave me heaps of exposure to Aboriginal culture and an Aussie vocabulary I'd never heard before. Seeing natural beauties like the Great Barrier Reef on weekends created memories I'll treasure."



Case Competitions

Our QFIN programme is able to bring together a group of talented and passionate students, creating an atmosphere that fosters optimal learning. We are glad to see our students excel in various case and investment analysis competitions, including the CFA Institute Research Challenge, CQA Investment Challenge, FOAHK Case Competition, HKSII Case Competition, and McGill International Portfolio Challenge.

Even if our students don't walk away with a shiny trophy, the experience gained during these competitions is invaluable. It allows them to understand how to apply their knowledge in the real world and enhances their competitiveness in the industry. After all, it's not just about winning prizes, but about the journey of growth and development that comes with it!

Tencent Finance Academy Fintech Competition 2020

"Being a QFIN major in the CUHK Business School has brought about many opportunities and benefits. Our courses equip us with many useful skills which helps us in our exploration within the financial markets and services. In particular, my interest in equity trading when met with the core finance courses brought me to derivatives trading, opening up a larger variety of trading strategies and returns. Furthermore, with the increase in competitions and hackathons held by corporates, our finance and quantitative background coupled with our general business knowledge make us an asset to the team. Having participated in competitions ranging from asset management, resource management and product development, I found financial technology competitions to be the most rewarding for they give us the opportunity to speak with executives from HKMA, Tencent, Alipay and many others, all of whom shared their prospects and enthusiasm regarding the future of finance. **With FinTech shaping and propelling**

Hong Kong as well as many other financial markets into the future, I am so grateful for the exposures I have gained during my time as QFIN undergraduate."



Jane WONG
Champion Team
(Class of 2023)



CFA Institute Research Challenge 2022-2023

"The CFA Institute Research Challenge provides an opportunity for students to understand and practise equity research in a realistic and practical manner. Each team will need to conduct comprehensive financial analysis, industry research, and valuation to derive the investment recommendation. An experienced mentor assigned by the CFA society will guide you through, and of course, you will also learn all these important skills from your peers as well. Apart from technical knowledge, the soft skills we need for our career can also be applied in this competition, including presenting, teamwork, and communicating. **My time here has been an excellent learning experience that has enriched my expertise.**"



Claudio CHAK
Champion Team
(Year 3 Student)



McGill International Portfolio Challenge 2022

"QFIN programme's resources and training empowered us to tackle real-world financial challenges at MIPC. During the competition, my team crafted a proposal addressing the net-zero transition of a pension fund. We presented our ideas to seasoned industry experts, an experience that greatly enriched our understanding of emerging finance trends and honed our portfolio management skills. The programme played a pivotal role in preparing us for this competition. It provided us with a wealth of career resources that helped us bridge the gap between classroom learning and real-world application during internship. Our programme director, who also served as our advisor, offered invaluable guidance and fresh perspectives throughout our journey. The support from the QFIN programme was instrumental in our success in this competition."



Christy YUEN
Champion Team
(Class of 2024)



Careers

Career Opportunities

Through comprehensive training in analytical skills, business acumen, and interpersonal competencies, students are well-equipped to embark on their careers in a wide range of roles. By picking jobs that match what they like and who they are, students can find and follow career paths they dream of in the future.

- Asset Management
- Commercial and Retail Banking
- Corporate Finance
- Investment Analysis
- Financial Planning
- Investment Banking
- Portfolio Management
- Private Equity
- Quantitative Analysis
- Sales and Trading

Finance Trading Laboratory

Our Finance trading laboratory is equipped with Bloomberg terminals and Refinitiv Eikon, which enable students to connect to real-world data and facilitate their learning journey. The lab is beneficial not only for coursework but also for job preparation, case studies, and research. **Since Bloomberg and Refinitiv Eikon are widely used in financial industry, frequent use of these tools can help students prepare for their future careers as finance professionals.**

Career Coaching and Support

Your education is complemented by career development support designed to assist you in initiating your career journey. We offer career coaching, counselling, and practical workshops that address every facet of the job search process. Additionally, we arrange career talks and networking events with prominent employers, along with information sessions featuring alumni and industry experts. Moreover, you have the opportunity to leverage various mentorship and buddy programmes aimed at enriching your firsthand understanding of the industry.

CFA Institute® University Affiliation Programmes

University Affiliation
Program



CFA Institute®

Our programme holds affiliation with the (CFA Institute® University Affiliation Program, which recognises academic programmes that embed at least 70% of the CFA Program Candidate Body of Knowledge into their curricula. As a QFIN student, you gain access to an array of valuable resources provided by the CFA Institute. Furthermore, you have the opportunity to apply for Level I CFA examination scholarships. **Many of our students have successfully completed the Level I CFA examination prior to graduation, with some even accomplishing this milestone during their third year of study.**



Employers

With the education provided by our programme, real-world business exposure, and the strong reputation of our programme, **our graduates are well-prepared to join employers across a wide range of industries**, including investment, commercial, corporate banking, financial services, consulting, accounting, and various other industries.

ABN AMRO
Accenture Co. Ltd.
AIA Group
Allianz Global Investors
Alibaba
Bain & Company
Bank of America Merrill Lynch
Bank of China
Bank of Communications
Barclays
BlackRock
Blackstone Group
Bloomberg L.P.
BNP Paribas
BOCI-Prudential
Boston Consulting Group
CASH Financial Services Group
CCB International
CFA Institute
China Merchants Securities
CICC
Citadel
CITIC Securities
Citigroup
Commonwealth Bank of Australia
Crédit Agricole CIB
DBS
Deloitte
Deutsche Bank
E Fund Management

Ernst & Young
Eurex Frankfurt AG
Fidelity International
Forbes Private Capital
Franklin Templeton Investments
FTSE Group
Goldman Sachs (Asia) LLC
Guotai Junan Securities
Guotai Haitong
Hang Seng Bank
HKEX
HKMA
HSBC
Huatai Financial
Huawei
IBM
ICBC
ING Life Insurance
Invesco
Jane Street
Jefferies
J.P. Morgan
Julius Baer
KPMG
Lazard Asset Management
Macquarie Securities
Manulife (International)
McKinsey & Company
Mercer
Moody's Analytics

Morgan Stanley
MSCI Inc.
MUFG Bank
Natixis
Nomura
Oliver Wyman
OTPP
P&G
PIMCO
Point72 Asia (Hong Kong)
PPI
PricewaterhouseCoopers
Rabobank International
Royal Bank of Scotland
SAFE Investment Company
S&P Capital IQ
Schroders
Securities & Futures Commission
Shenyin Wanguo (HK)
Société Générale
Standard Chartered Bank
State Street Bank
Sun Hung Kai Properties
Tencent
UBS
Value Partners
Wells Fargo
Western Asset Management
Willis Towers Watson
Zhongtai International

Quantitative Finance Alumni Association

With a network of more than 1,000 alumni, the Quantitative Finance Alumni Association (QFAA) is dedicated to maintaining and nurturing close relationships among QFIN graduates while developing alumni networks in the business world. QFAA organises seminars and job referral programmes to keep alumni and current students up-to-date with the latest developments in the financial market. Additionally, social gatherings are arranged to foster and promote alumni relations.



Scholarships

To recognise academic excellence and outstanding achievement, our dedicated alumni established the **Quantitative Finance Outstanding Student Awards**. Our alumni also established **Exchange Scholarships** to encourage students to have more international exposure.



Courses by Alumni

Our alumni are eager to impart their industry expertise and offer insights into current trends by conducting brief courses for our students. These courses offer students valuable updates on the most recent market developments and provide career guidance. This experience helps students better prepare themselves before entering the challenging and ever-evolving financial industry.



Alumni Network

Our alumni network offers ongoing support, benefiting both current students and graduates. QFAA consistently arranges events that bring alumni together, fostering a stronger network. Additionally, we've established a WhatsApp group and a LinkedIn account to assist our graduates in leveraging this network for their career advancement.



Ronald YIM
(Class of 2017)

"The most amazing parts of the QFIN programme are not only the solid academic foundation but also the exposure and networks you gain in four years of undergraduate life. The flexibility and support from the programme allowed me to take courses that fit my interests, to go on summer and semester exchanges, as well as do several internships in various sectors. Every QFIN student will have the chance to shape his/ her own personal and career development.

I joined the management consulting industry and I am now a Business Analyst at McKinsey & Company. As a junior consultant, I have already been engaged in solving complex business problems for a wide variety of multinational companies and have worked closely with their senior management. The QFIN programme equipped me with essential problem-solving skills, communication skills and leadership abilities. **If you are looking forward to taking up challenges and exploring your potential, CUHK's QFIN programme will be your best choice.**"

A Journey as a QFIN student

The QFIN programme provided me with a strong knowledge foundation in economics, financial markets, corporate finance and investment products that are directly applicable to my current work as an investment advisor at a private bank serving ultra high-net-worth individuals.

My internship experience was instrumental in training me up for my career in private banking. We were encouraged to study current investment product offerings and presented pitches to relationship managers for delivering to clients. With the programming knowledge I obtained during the computing coursework, I was able to complete a project for the fixed income team to automate bond proposal creation using specific parameters.

One of the most unforgettable moments I had at CUHK was when I was an exchange student at University of California, Los Angeles. I attended a movie premier event and saw Scarlett Johansson and other celebrities walking red carpet close-up. I also took an elective course in Theatre Arts, went skiing in Big Bear Lake and even performed Cantopop at UCLA's singing contest!

PROGRAMME ENROLLMENT



Join Student Society



Participate in Exchange Programme



Pursue Self-Interests and Gain Exposure

INTERNSHIPS



Graduation and Professional Transition

Alumni Contribution

Agnes FONG
(Class of 2018)

Extracurricular Activities



Heidi CHAN
(Class of 2020)

"The programme offers me a high degree of flexibility to explore courses in different majors, and I can also balance my school work and extra-curricular activities to search for my real interests and passions."

I believe most young people love travelling. To me, volunteering overseas is an alternative way to understand the lives of others, the exposure to new environment is also a challenge for me to become more independent and adaptable. In Costa Rica, together with eight other volunteers, we travelled by truck to reach the hills where we visited Cabecar, one of the indigenous communities. There, we spent an evening around a campfire with them. I also joined a bridge-building service trip with Wuzhiaiao (無止橋) to Yunnan in China for nine days and a humanitarian field training trip to Nepal for seven days."



James FU
(Class of 2025)

"Being the president of QFIS has been an incredibly rewarding experience. One of the most fulfilling aspects of my role has been leading my dedicated cabinet in organising a wide range of events for our members. From orientation camps that helped new students find their footing to heartfelt graduates' farewells, and from the mentorship programme that fostered bonds between students to the enriching student workshops, each event was an opportunity to bring our community closer together and facilitate growth. The satisfaction of seeing our efforts positively impact students, and the exposure of being the president has been the most gratifying part of this journey."



Christy YIM
(Class of 2025)

"Joining QFIS during my freshman year was undoubtedly one of the most rewarding experiences of my university journey. It was a place where we could build valuable friendships, networks, and leadership skills. Within QFIS, we formed a tight-knit community, organising various activities such as orientation camps, photo days, and CV workshops for our fellow classmates. Together, we supported each other through laughter, tears, and challenges. The bonds we formed and the memories we created during these activities will undoubtedly remain unforgettable. Despite the restrictions and challenges we encountered, we always persevered and gave our best. QFIS has left an indelible mark on our university journey, and I am grateful for the opportunities and growth it has provided."

Society of Quantitative Finance

In addition to academics and internships, **our programme believes that university is also a joyful experience in one's life.** As such, the Society of Quantitative Finance (QFIS) has been established to provide various activities for students to enjoy their time with peers, while simultaneously strengthening their bonds and broadening their horizons.

The activities offered by QFIS include:

- Orientation Camp
- Annual Dinner
- Mentorship Programme
- Wine Tasting
- Semester Dinner
- Information Session
- Academic Counselling
- Social Activities
- CV and Job Hunting Workshop
- New Year Banquet
- Graduates' Farewell





Advisory Committee

The QFIN Advisory Committee provides steering on the QFIN programme curriculum to ensure it remains current and aligns with the dynamic changes in the markets. This committee includes experienced finance professionals from various related organisations who offer guidance on the programme's direction and the quality and applicability of course materials. Committee members also play a pivotal role in helping internships arrangement, job placements for graduates, practical training, and Mentorship Programmes.





QFIN Advisory Committee:

Co-Chairmen

Professor Martin K MATSUI

Adjunct Professor
Department of Finance
CUHK Business School

Mr Christopher CHAN

Former Chief Investment Officer (Public Markets)
Exchange Fund Investment Office
Hong Kong Monetary Authority

Members

Mr Douglas CHOW

Founder & Chief Executive Officer
PortageBay

Dr Sue Wan CHUA

Director, Investment Office
The Hong Kong Jockey Club

Mr Vincent CHUI

Chief Executive
Morgan Stanley Bank Asia Limited

Mr Albert GOH

Chief Investment Officer
(External Managers)
Exchange Fund Investment Office
Hong Kong Monetary Authority

Ms Sau KWAN

Former President
E Fund Management Co., Ltd

Mr Mark LEUNG

Former CEO China,
Co-head of Global Equities,
CIB Global Management
Committee Member, J.P. Morgan

Mr Andrew LO

Senior Managing Director
& Chief Executive Officer
Invesco Asia Pacific

Mr Tom MORROW

Chairman of FICC & Equities,
APAC & Chief Client Officer, APAC
Goldman Sachs (Asia) LLC

Mr Nick POLLARD

Managing Director, Asia Pacific
CAIA Association

Mr David RUSSELL

Chairman of Market Advisory Group
CMU Omniclear

Mr William SHEK

Managing Director
Advisor to CEO
Hang Seng Bank

Mr Tony TANG

Head of China
Chairman of Greater China
Citadel Securities Asia Services
Limited

Ms Haining YIN

APAC Head of Credit Client Solutions
KKR

Ex Officio Members

Professor Tao SHU

Chairman
Department of Finance
CUHK Business School

Professor Griffin Jiang

Director, MSc Programme
in Finance
Department of Finance
CUHK Business School

Dr Nai-pan Tang

Director, BSc Programme in
Quantitative Finance
Department of Finance
CUHK Business School

Secretary

Ms Ada LAI

Placement Director
Department of Finance
CUHK Business School

Under-Secretary

Ms Rika WONG

QFIN Project Coordinator
Department of Finance
CUHK Business School

QFIN

BSc in Quantitative Finance

Address: 12/F, Cheng Yu Tung Building
12 Chak Cheung Street, Shatin,
N.T., Hong Kong
Email: qfn@cuhk.edu.hk
Website: www.qfn.cuhk.edu.hk



Website

