


Master of Science in Quantitative Finance

Where quantitative value
meets qualitative growth



Shen Linying
Class of 2021
Junior Risk Manager, Partners Group

WHY SMU MASTER OF SCIENCE IN QUANTITATIVE FINANCE (MQF)?

- 1 Double up on a global outlook**
Uncover opportunities and gain the best of both worlds with a postgraduate degree from both SMU in Singapore and the Bayes Business School in London via the international option.
- 2 Where theory meets practice**
Learn to trade real-time with live data and master trading algorithms and microstructure under the guidance of knowledgeable faculty with extensive and current quant trading experience.
- 3 Increase your career prospects**
Deepen your expertise with the opportunity to specialise in Algorithmic Trading, Financial Data Science or Risk Analytics.
- 4 Increase your employability**
Gain an edge with an enhanced global outlook on risk management, proprietary trading, and quantitative finance.



Watch the video to learn more about the MQF Programme



“The MQF programme was a balanced marriage of mathematics, finance and programming. Throughout the course, my professors imparted academically rigorous and industry-relevant knowledge to us. On top of that, there were many opportunities to network with industry professionals through our professors’ vast network and career talks organised by SMU Postgraduate Career Services.”

Tricia Goh, Class of 2021
International Private Bank Graduate Analyst, Deutsche Bank

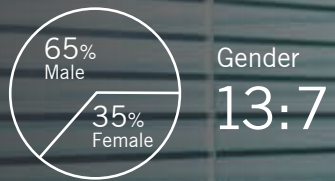


“The MQF programme taught abstract mathematical concepts, as well as the practical application of those concepts in real life. Training in abstract concepts helped me to develop new solutions in my work while the application part of the course helped me develop my modelling skills.”

Anirudh Somani, Class of 2020
Head of Actuarial & Research, 360F

CLASS PROFILE

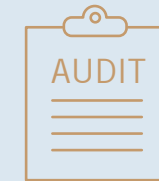
Discover where your degree can take you, and the profile of great minds you could be networking with.



Student profiles taken from Classes of 2018-2020 (Full-time & Part-time).



INDUSTRIES MQF GRADUATES WORK IN



Audit / Accounting 4%



Commodities 5%



Consulting 8%



Financial Services 55%



Technology 19%



Others 9%

Student profiles taken from Classes of 2018-2020 (Full-time & Part-time).

PROGRAMME CALENDAR

The MQF is a 12-month programme comprising of two options: the local and international option. The local option is also available in a part-time mode of study at 24 months. Students will be able to choose from 3 tracks: Algorithmic Trading, Financial Data Science, Risk Analytics.

	Term 1	Term 2	Term 3
Local Option	4 Core Modules	5 Core Modules	4 Elective Modules
	+1 University Core and +1 Open Elective		
International Option	5 Core Modules	4 Core Modules (Bayes)	4 Elective Modules
	+1 University Core and +1 Open Elective		

ADMISSION AND APPLICATION

- Good undergraduate degree (in any field with some level of mathematical rigour)
- Good score in GMAT/GRE or SMU Admissions Test*
- **Local Option**
A valid TOEFL/IETLS score is required if the medium of your undergraduate studies was not in English International Option
- **International Option**
An IELTS score of 7.0 overall (with 6.0 and above for all other components) is required for all applicants choosing this option

*Alumni of SMU or local Autonomous Universities (AUs) who have graduated with a bachelor's degree in the past 5 years with a cumulative GPA of 3.4 or higher, can use their undergraduate GPA in place of the SMU Admissions Test.
The part-time mode of study of the MQF programme is open to Singaporeans, Singapore Permanent Residents (PRs) and foreigners with a valid Employment or Dependant's Pass. International students will require student visas and are eligible only for the full-time mode of study. SMU will assist in the application of student passes for all full-time international students coming to SMU.

FEES

Application Fee	Registration Fee	Tuition Fee
S\$100 inclusive of GST	<ul style="list-style-type: none"> • Singaporeans and PRs: S\$400 inclusive of GST • International Applicants: S\$500 inclusive of GST <i>Amount payable upon acceptance to the programme</i>	Please refer to the programme website for the prevailing tuition fees masters.smu.edu.sg/mqf

All fees are non-refundable and non-transferable. A deposit of S\$5,000 would be required upon acceptance of offer into the programme. The remaining tuition fees would be billed thrice over the duration of the programme. The fees are due and payable within 30 days of the billing. The tuition fee does not include meals, air travel, travel insurance, living and accommodation expenses incurred for the overseas exchange. Singapore Management University reserves the right to alter tuition and other fees as deemed appropriate. SMU alumni will be entitled to a discount off the tuition fee. GST will still apply for the discounted tuition fee.

SCHOLARSHIPS & FINANCIAL AID[^]

Partial scholarships for the MSc in Quantitative Finance (MQF) programme entail award amounts of up to 30% of the tuition fee, with no bonds attached. GST will still apply for the full tuition fee before the scholarship award.

The scholarship categories include:

Academic Excellence | Global Awareness | Leadership Potential* | Impact on Asia* | Women in Business*

- * Denotes Scholarships that students can apply for upon admissions into the programme.
- * All candidates are automatically submitted for consideration for Academic Excellence and Global Awareness scholarships upon meeting our scholarship criteria.
- [^] The LKCSB Financial Aid Bursary enables suitable candidates to obtain financial support to further their studies with the SMU MQF programme. Candidates will have to provide supporting documents to prove financial need.

Goods and Services Tax (GST) is a tax collected on behalf of Singapore Government and will be charged at the prevailing rate.

PROGRAMME INFORMATION

9 CORE MODULES

- Asset Pricing
- Derivatives
- Econometrics of Financial Markets
- Fixed Income Securities
- Numerical Methods
- Programming and Computational Finance
- Quantitative Analysis of Financial Markets
- Risk Analysis
- Stochastic Modelling in Finance



4 ELECTIVE MODULES

Students can opt to do any 4 elective modules from the list below or choose to specialise in a track by completing 4 elective modules offered in the same track.

FIELD-SPECIFIC ELECTIVE MODULES		
Modules offered in the Algorithmic Trading Track	Modules offered in the Financial Data Science Quantitative Trading Track	Modules offered in the Risk Analytics Track
C++ for Financial Engineering	C++ for Financial Engineering	Credit Risk Models
Portfolio Management	Machine Learning & Financial Application	Financial Data Science
Hedge Funds	Financial Data Science	Machine Learning & Financial Application
Quantitative Trading Strategies	Quantitative Trading Strategies	Portfolio Management

Modules offered are subject to change.

GRADUATION REQUIREMENTS

- Completion of 15 credit units (9 Core Modules + 4 Elective Modules + 1 Postgraduate Professional Development course + 1 Open Elective)
- Grade Point Average (GPA) of at least 2.50 out of 4.00
- Maximum candidature of 24 months (full-time) and 48 months (part-time)

Speak to Admissions Advisor



Apply Now



SMU - IN THE HEART OF SINGAPORE, IN THE HEART OF ASIA

In the dynamic, cosmopolitan hub that is Singapore, you will find a vibrant city-state that pulses with the diversity of both East and West. Situated at the crossroads of the world, Singapore is home to multinational companies and thousands of small and medium-sized enterprises flourishing in a smart city renowned for its business excellence and connectivity. With its strong infrastructure, political stability, and respect for intellectual property rights, this City in a Garden offers you unique opportunities to develop as a global citizen.

Tapping into the energy of the city is a university with a difference – the Singapore Management University. Our eight schools: School of Accountancy, Lee Kong Chian School of Business, School of Computing and Information Systems, School of Economics, College of Graduate Research Studies, College of Integrative Studies, Yong Pung How School of Law, and School of Social Sciences, form the country's only city university campus, perfectly sited to foster strategic links with businesses and the community.

SMU generates leading-edge research with global impact and produces broad-based, creative and entrepreneurial leaders for a knowledge-based economy. Discover a multi-faceted lifestyle right here at SMU, in the heart of Singapore.



ABOUT THE LEE KONG CHIAN SCHOOL OF BUSINESS

SMU commenced its curriculum in 2000 with the School of Business, which welcomed its pioneer cohort of students in August 2000. In 2004, the Lee Foundation contributed S\$50 million to SMU in honour of the late Dr Lee Kong Chian, a well-known Southeast Asian businessman, philanthropist and community leader. In recognition of the Lee Foundation's generosity, SMU named in perpetuity the School of Business, the building and the university-wide scholars programme after Dr Lee Kong Chian.

Today, the Lee Kong Chian School of Business is a dynamic Asian business school with more than 4,000 students and over a hundred full-time faculty members with doctorate degrees from renowned universities such as Cornell, Harvard, INSEAD, London Business School, Wharton, Oxford, Stanford and Yale. The school offers undergraduate, postgraduate and doctoral programmes and is affiliated with a number of research centres such as the Sim Kee Boon Institute for Financial Economics, the Centre for Marketing Excellence and the Institute for Innovation and Entrepreneurship.

SCHOOL RANKINGS

- 1st Triple Accredited Business School in Singapore (AACSB, AMBA, EQUIS)
- Ranked 6th Business School in Asia-Pacific (2018 Financial Times Asia-Pacific Business School Rankings)
- Ranked 1st in Singapore, 2nd in Asia, 35th Worldwide (2021 University of Texas Dallas Research Rankings)
- Ranked 31st in Finance, 43rd in Management and 48th in Business Administration (2020 Shanghai Ranking Global Ranking of Academic Subjects [GRAS])
- Ranked 3rd for MSc in Wealth Management (2022), 22nd for Executive MBA (2020), 40th for MSc in Applied Finance (2022), 41st for MSc in Management (2023), and 51st for MBA (2022) by the Financial Times Global Rankings.



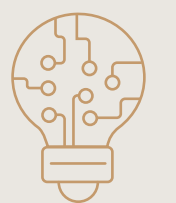
THE SMU MASTERS ADVANTAGE



GLOBAL RECOGNITION
SMU is globally recognised as one of the best specialised universities in Asia and the world. Its research rankings, programme rankings, accreditations and professional recognition are testaments to its achievements and standing.



INTERACTIVE PEDAGOGY
SMU's interactive, seminar-style pedagogy brings you stimulating, multidisciplinary learning under the mentorship of the thought leaders and subject experts who make up our faculty. You will hone your analytical skills, teamwork and communication skills.



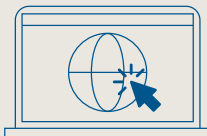
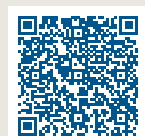
INNOVATIVE CURRICULUM
Stay relevant with courses that combine cutting-edge research and up-to-date knowledge with best business practices. SMU's Postgraduate Professional Development Course and award-winning Asian case studies help you approach topics from different practical perspectives for greater insights.



NETWORKING AND CAREER OPPORTUNITIES
SMU has a diverse student population from many different countries, bringing equally diverse personal and professional experience into your network. Take advantage of comprehensive guidance from our dedicated career services to aid your career transition or advancement.



CITY CAMPUS
SMU is nestled within the arts and heritage precinct, right next to the Central Business District, with unrivalled connectivity for public transport and multiple amenities around campus. Discover how life beyond the classroom is as enriching as within.



For a full listing of SMU Masters programmes, visit masters.smu.edu.sg/programmes



SMULKCSB



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Lee Kong Chian School of Business, Postgraduate Admissions
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