

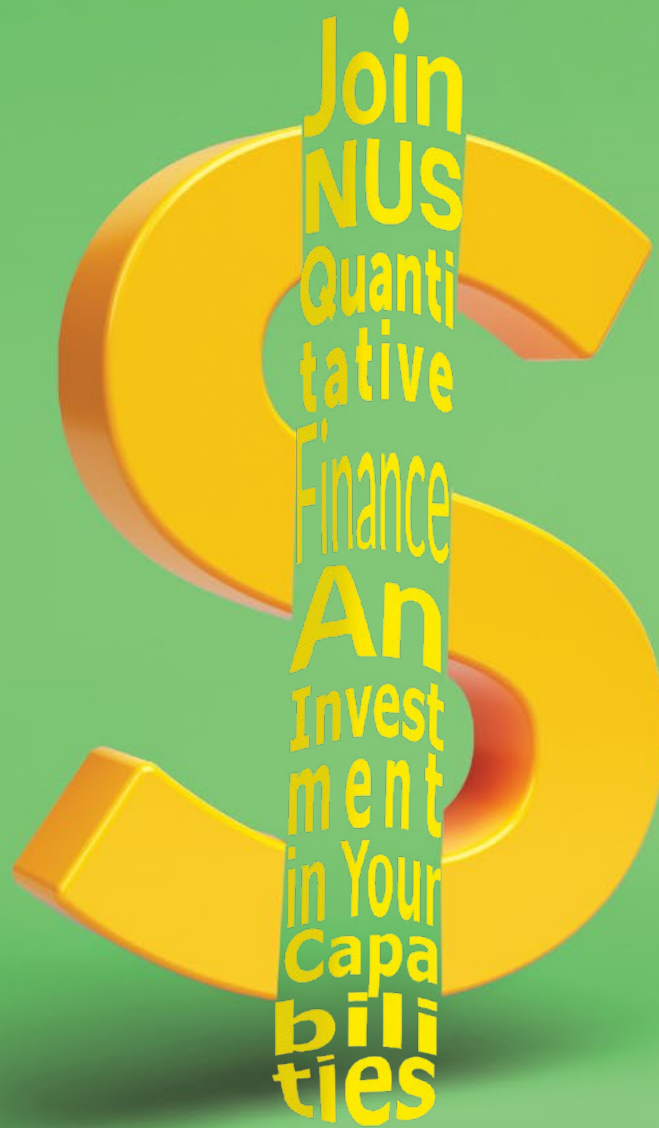


NUS
National University
of Singapore

College of Humanities
and Sciences

Bachelor of Science (Honours) in Quantitative Finance

Department of Mathematics
Faculty of Science
College of Humanities and Sciences





NUS Quantitative Finance

Instantaneous transactions, volatile market conditions and complex algorithms – these disruptive forces confront every finance institution today. So what does it take for a finance professional to get ahead and stay on top? For a start, we suggest mathematics, finance and computing. Next, let NUS Quantitative Finance take you one step higher.

The NUS Quantitative Finance curriculum gives you an integrated overview of how mathematical methods and computing techniques are

applied to finance – including mathematical theory, statistical tools, computing theory, financial principles and core financial product knowledge. This enables you to develop new products that answer consumer needs – and put you ahead of the competition.

Better still – hedge your bets with a second major or minor of your choice under the **College of Humanities and Sciences (CHS)**.

Your education is further complemented by the CHS Common Curriculum, which serves to broaden your intellectual foundations with essential skills in areas such as design thinking and writing. All so you can gain leverage in the fast-changing finance sector.

Why NUS Quantitative Finance?



Established expertise

Our quantitative finance programme is the **first in Singapore** to offer training at the undergraduate level. Many of our graduates have gone on to launch successful careers around the world – a testament to our track record spanning over 20 years.



Solid foundation

You might have heard of quantitative analysts (“quants”) – highly paid mathematics experts who are whizzes at finance and computing. Being a quant often requires a Master’s – and your undergraduate degree paves the way for the **Master’s in Quantitative Finance** we offer.



Knowledge hub

NUS is home to the **Centre for Quantitative Finance** – dedicated to knowledge development in quantitative and computational finance. The event calendar is packed with seminars, workshops, conferences and summer programmes, giving you ample possibilities for learning and networking.



Career opportunities

The majority of our graduates go into the banking and finance industries, locally and globally. While they are **highly sought after** for roles such as quantitative analyst, risk analyst and structurer – they can also be found in fintech or technology companies that support financial institutions.



Academic Programmes



Primary Major in
Quantitative Finance



Second Major in
Quantitative Finance



Minor in Quantitative
Finance

Research Opportunities

If you are keen to delve into areas and topics beyond the curriculum, you can participate in the **Undergraduate Research Opportunities Programme in Science (UROPS)**, or pursue it further in your **Final Year Project (FYP)**.

Our research areas include:

- credit risk
- fintech
- fixed income products
- portfolio selection
- risk measure
- trading strategy





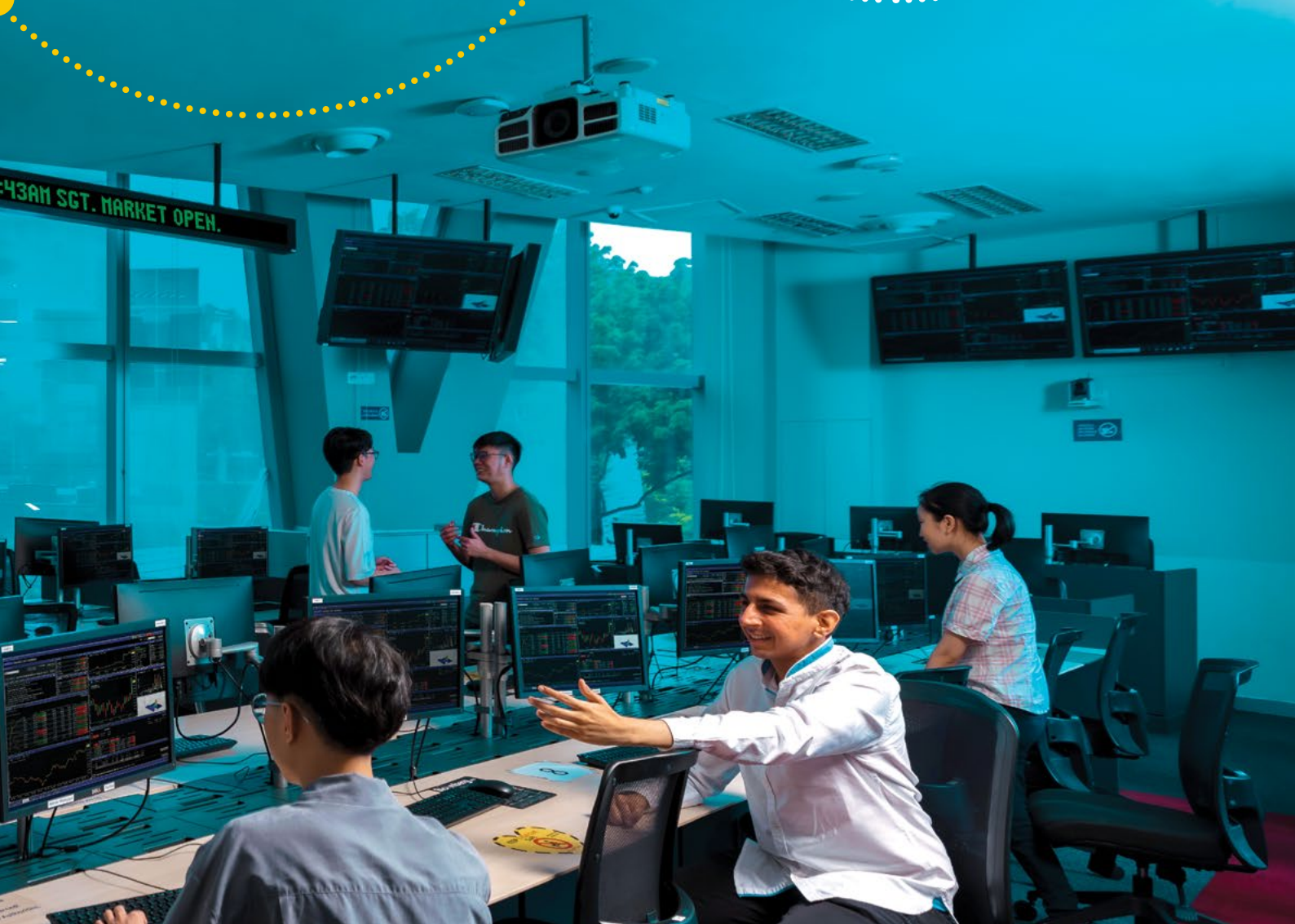
"The knowledge gained in school provided a foundation to build my own business – refining the way I think and perceive people, circumstances and the world. This is critical for navigating business disruptions."

– **Aaron Khoo**, Co-Founder, Avenevv
BSc (Hons) in Quantitative Finance and Economics (2018)



"The course instilled foundational skills in programming, creativity in numerical applications and a forward-thinking mindset. This prepared me well to build my business and venture into the international arena."

– **Chan Kailin**, Co-Founder, AlfaCloud HK
BAppSc (Hons) in Computational Finance (2004)



Admission Requirements

| Programme | Admission Requirements |
|---------------------------------------|---|
| Primary Major in Quantitative Finance | A good H2 pass (or equivalent) in Mathematics/Further Mathematics |
| Second Major in Quantitative Finance | |
| Minor in Quantitative Finance | |

For applicants without H2 Mathematics/Further Mathematics, simply read the bridging course MA1301/MA1301X Introductory Mathematics.

Department of Mathematics

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