

Master of Science in Financial Technology

NURTURING LEADERS
FOR THE WORLD OF
FINTECH

A Leading Global University in the Finance and Tech Heart of Asia

1st

Times Higher Education Young University Rankings

Welcome to the MSc in Financial Technology (FinTech) programme at NTU Singapore, where innovation meets finance in the digital age!

Are you ready to be at the forefront of reshaping the financial landscape? Are you fascinated by the transformative power of technology in finance? From blockchain to AI, our curriculum offers a deep dive into cutting-edge tools shaping the industry.

Whether you envision yourself revolutionising payment systems, optimising investment strategies or reimagining customer experiences in financial services, our MSc in FinTech programme is your launchpad.

Embrace the future of finance in the heart of Asia. With Singapore as one of the world's leading FinTech hubs, it attracts big tech firms and is committed to developing its FinTech sector while shaping a sustainable economy.

15th

QS World University Rankings

Join us to explore the seamless convergence of finance and technology, unravelling complex market trends, and discovering how to develop solutions that impact the global economy.

Apply now to embark on a journey that promises innovation, growth and boundless opportunities.

4th

QS Asia University Rankings

Led by industry experts and renowned academics in our programme, you will gain a comprehensive understanding of blockchain systems, decentralised finance, robo-advisors, compliance, natural language processing, machine/deep learning, FinTech entrepreneurship, and more. Engage in hands-on projects and real-world case studies to cultivate the practical expertise, agility and creativity demanded by this exciting industry.



GAIN THE SKILLS EMPLOYERS WANT

Through the MSc in FinTech programme, you will hone the skills to:



Understand, implement and create disruptive financial innovations with suitable tools and techniques.



Develop an effective anti-financial crime compliance programme for a FinTech company or a payment service operator.



Create, manage and interrogate large data sets for the finance sector.



Carry out programming, statistical analysis and financial modelling.



Critically examine current issues in the FinTech landscape.



Examine and assess investment decisions and data.



Harness cutting-edge data techniques.

100%

of graduates secured full-time employment within 6 months of graduating*

50%

of graduates in Singapore have an annual salary of over \$84,000*

*Based on alumni survey for Class of 2020 to 2022.

GET AHEAD OF THE CURVE

1. Obtain your Masters degree in 1 year (full-time) or 2 years (part-time)
2. Build your global network and leverage on strong alumni and industry connections
3. Gain increased earning potential
4. Get internships at MNCs and reputable firms
5. Receive holistic development through an interdisciplinary programme

“Engage in hands-on projects and real-world case studies to cultivate the practical expertise, agility and creativity demanded by this exciting industry.”

**ASSOC PROF PATRICK PUN CHI SENG,
PROGRAMME DIRECTOR**

BROADEN YOUR CAREER HORIZONS

FinTech is disrupting the way financial institutions and businesses operate. As an emerging sector that is experiencing rapid growth, the industry offers diverse career opportunities for FinTech specialists.

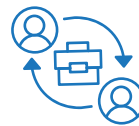
- Blockchain Developer
- Business Development Manager
- Digital Banking and Payment Specialist
- Financial Analyst
- Financial Data Specialist
- FinTech Platform Manager
- FinTech Product Specialist
- FinTech Systems Architect
- FinTech Systems Engineer
- Quantitative Strategist
- Risk, Regulatory and Compliance Manager
- System Analyst/Technical Business Analyst

ENHANCE YOUR FUTURE WITH THE RIGHT PROGRAMME

The MSc in FinTech programme is designed for individuals at different stages of their FinTech career. These include:



Professionals exploring leadership positions in the FinTech space



Talented, passionate individuals seeking a career switch



Fresh graduates interested in a career in FinTech



FinTech leaders interested in understanding FinTech research trends



Professionals with a data science and technology background seeking to understand the finance industry



Finance professionals who want to understand the special challenges of digital transformation in their field

HEAR FROM OUR GRADUATES

“The choice of NTU’s MSFT programme is obvious. The programme’s comprehensive curriculum, combined with NTU’s network of industry connections, positions me to receive a holistic education that extends beyond the classroom. With NTU’s guidance, I am confident that I can forge a path within the FinTech arena that is both impactful and innovative.”



PAN JUNCHEN

MSc Financial Technology
(Intelligent Process Automation) Alumni
Class of 2023

COURSE LIST

The programme consists of a total of 30 Academic Units (AU), with 12 AU of compulsory courses, 12 AU from the chosen specialisation's electives, and 6 AU from other electives. Courses are awarding at 1.5AU/ 3AU*

COMPULSORY COURSES (12 AU)

MH6800 Foundations of Statistical Modelling

MH6803 Python Programming

MH6804 Python for Data Analysis

MH6805 Machine Learning in Finance*

MH6801 Introduction to FinTech

MH6802 FinTech Ecosystem and Innovations

MH6806 Principles of Finance and Risk Management

MSc in FinTech has two specialisations with different programme codes (IPA: 270; DFS: 271). Applicants can apply for both (with two separate applications), while the preferred one should be indicated.

PRESCRIBED ELECTIVE COURSES FOR INTELLIGENT PROCESS AUTOMATION SPECIALISATION

(Select from the follow courses to fulfil 12 AU)

MH6301 Information Retrieval and Analysis*

MH6812 Advanced Natural Language Processing with Deep Learning*

MH6813 Blockchain Systems I: Concepts and Principles

MH6814 Blockchain Systems II: Development and Engineering

MH6815 Algorithmic Trading and Robo-Advisors

MH6816 Introduction to Cybersecurity

MH6831 Quantitative Methods in Finance

MH6832 Reinforcement Learning for Finance

PRESCRIBED ELECTIVE COURSES FOR DIGITAL FINANCIAL SERVICES SPECIALISATION

(Select from the follow courses to fulfil 12AU)

MH6331 Financial and Risk Analytics I

MH6332 Financial and Risk Analytics II

MH6821 Anti-Financial Crime and Compliance

MH6822 Regulatory Technology

MH6823 Financial Inclusion and Decentralised Finance

MH6824 Fundamentals of FinTech Entrepreneurship

MH6825 FinTech Entrepreneurial Practice

MH6826 Investment and Portfolio Management

MH6827 Fin Data Management and Business Intelligence

MH6833 Microeconomics and Macroeconomics

UNRESTRICTED ELECTIVE COURSES (6 AU)

MH6838 Practicum* - and/or the remainder PEs in the chosen specialisation and/or PEs in another specialisation

ADMISSION REQUIREMENTS

- A good Bachelor's Degree in a relevant programme (e.g. quantitative majors, business, engineering etc.)
- A good TOEFL score (85 or more) or IELTS score (6.0 or more) for graduates of universities in which English is not the medium of instruction

Below are preferred but not required:

- A good GMAT score or GRE score
- Some relevant work experience

NOTES

- On average, full-time students take 4-5 classes a week, and part-time students take 2-3 classes a week.
- All courses are conducted at the NTU main campus on weekday evenings or Saturdays.

FEES (inclusive of GST)

Tuition Fees	S\$63,220 (for intakes in Jul/Aug 2025)
Deposit Fees	S\$5,450 (credited towards tuition fees)

FINANCIAL ASSISTANCE

- Singapore Citizens (SCs): study grant of S\$10,000 + GST (S\$10,900).
- Singapore Permanent Residents (SPRs): study grant of S\$5,000 + GST (S\$5,450).
- Needy SCs and SPRs may apply for financial aid (up to S\$5,450 in addition to the SC/SPR study grant).
- NTU Alumni: On top of the above, alumni can enjoy a 10% grant of the tuition fee (S\$5,800 + GST (S\$6,322)).
- SCs and SPRs may enjoy tuition fee subsidies under SkillsFuture Singapore

WE WANT TO HEAR FROM YOU

Find out how you can ignite your FinTech career.



General enquiries: mescfintech@ntu.edu.sg

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