MASTER OF SCIENCE IN
FINANCIAL TECHNOLOGY
Financial Technology (FinTech) refers to a cluster of emerging innovations that have the potential to revolutionize the nature of the finance industry, enhancing the productivity of financial firms by employing data science and cyber technologies. Global investment in FinTech has been active in recent years that the Monetary Authority of Singapore has launched an initiative, the FinTech and Innovation Group, and pledged to spend S$225 million to develop the FinTech sector in Singapore.

Nanyang Technological University, Singapore (NTU Singapore) offers a Master of Science in FinTech (MSc in FinTech) hosted by the School of Physical and Mathematical Sciences. The curriculum is built upon data science, artificial intelligence, and information technology to provide students with the FinTech skills necessary for navigating the changing landscape of the finance industry. Strong emphasis is placed on the in-depth mastery of disruptive technologies in finance, including financial automation (e.g. robo-advisors) and financial cryptography (e.g. blockchain technology).

The curriculum consists of two specializations, Artificial Intelligence and Operations and Compliance. Upon completion of study, students will be conferred the degree of MSc in FinTech by NTU Singapore.

NTU Singapore is a world-class higher education institution and ranked the top university in the world for Artificial Intelligence (Nikkei and Elsevier 2017) from 2012 to 2016. Besides the academic achievements, we are proud to have one of the most beautiful campuses in the world, equipped with cutting-edge technological facilities.

“Drawing upon the expertise of world-class faculty and leading practitioners, the MSc in FinTech programme will equip fresh graduates and working professionals with the insights and skills necessary to progress their careers in FinTech.”

Prof Pun Chi Seng, Director of MSc in FinTech

“Leading edge and up-to-date curriculum”
“World-class faculty from three NTU schools”
“Practical lectures and insights given by senior practitioners from the finance industry”
“Hands-on experience with the Practicum module (through internship or project)”
The MSc in FinTech (MSFT) is an intensive one-year full-time (or 2-year part-time) programme by coursework taught in 3 trimesters.

The programme consists of a total of 33 Academic Units (AUs), with 21 AUs of core modules, 6 AUs from the chosen specialization’s electives and 6 AUs from other electives.

### Core Modules
- Introduction to FinTech
- FinTech Ecosystem and Innovations
- Principles of Finance and Risk Management
- Algorithmic Trading and Robo-Advisors
- Blockchain Systems I
- Python Programming
- Python for Data Analysis
- Probability and Statistics
- Machine Learning in Finance*
- Practicum**

### Artificial Intelligence Electives
- Advanced Natural Language Processing with Deep Learning*
- Quantitative Methods in Finance
- Blockchain Systems II

### Operations and Compliance Electives
- Regulatory Technology
- Anti-Financial Crime and Compliance
- Financial and Risk Analytics I
- Financial and Risk Analytics II

### Other Electives
- Operations Research I
- Operations Research II
- Time Series Analysis
- Data Management and Business Intelligence
- Information Retrieval and Analysis*
- Applied Cryptography

*3 AUs for asterisk modules & 6 AUs for practicum; 1.5 AUs for non-asterisk modules

### GENERAL ADMISSION CRITERIA

- A good Bachelor’s Degree in a relevant programme, e.g. quantitative majors, business, etc.
- A good TOEFL score (92 or more) or IELTS score (6.5 or more) for graduates of universities in which English is not the medium of instruction.
- A minimum of two years of relevant working experience is preferred but not required.
- A good GRE or GMAT score is preferred but not required.

### Application Timeline

- **APPLICATION** (1 Nov to 31 Jan)
- **OFFER AND ACCEPTANCE** (Jun)
- **MATRICULATION** (Jul)
- **COURSE COMMENCEMENT**
  - Trimester 1 (Jul to Oct)
  - Trimester 2 (Nov to Feb)
  - Trimester 3 (Feb to May)
## PROGRAMME FEE

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<thead>
<tr>
<th></th>
<th>Singapore Citizens</th>
<th>Singapore Permanent Residents / International Students</th>
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<tr>
<td>Singapore Citizens</td>
<td>S$35,000 + Prevailing GST</td>
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<tr>
<td>Singapore PR / International Students</td>
<td>S$55,000 + Prevailing GST</td>
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All fees listed are in Singapore dollars (S$). Fees are reviewed yearly and subject to revision. Amounts quoted are exclusive of GST and subject to change.

### Instalment Schedule

<table>
<thead>
<tr>
<th>Payment Details</th>
<th>Due Date</th>
<th>Singapore Citizens</th>
<th>Singapore PR / International Students</th>
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<tbody>
<tr>
<td>Deposit (non-refundable)</td>
<td>Upon acceptance of offer</td>
<td>S$5,000 + Prevailing GST</td>
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<tr>
<td>First Payment</td>
<td>Year 1, start of Trimester 1 (for all students)</td>
<td>S$17,500 + Prevailing GST</td>
<td>$27,500 + Prevailing GST</td>
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<tr>
<td>Second Payment</td>
<td>Year 1, start of Trimester 2 (for Full-Time students)</td>
<td>S$17,500 + Prevailing GST</td>
<td>S$27,500 + Prevailing GST</td>
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<td>Year 2, start of Trimester 1 (for Part-Time students)</td>
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- Deposit will be used to offset first payment.
- Successful international applicants must ensure that they have sufficient funds for the normal duration of the program, after accepting the admission offer.

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**Contact Us**

School of Physical & Mathematical Sciences  
Nanyang Technological University  
21 Nanyang Link  
Singapore 637371

✉️ MScFinTech@ntu.edu.sg  
🌐 NTUMScFinTech