![NJCU New Jersey City University logo]

NJCU SCHOOL OF BUSINESS
# M.S. Financial Technology

The School of Business at New Jersey City University has launched a new Master of Science degree program in Financial Technology (Fintech) designed to prepare students for career opportunities in the lucrative field of financial technology. Students in the Master of Science in Financial Technology program will learn the latest technologies such as blockchain and AI and machine learning algorithms required to solve business problems using financial technology.

## DEMAND FOR FINANCIAL TECHNOLOGY PROFESSIONALS

The financial services market is changing rapidly with technology and data driven disruptive innovations (e.g. cryptocurrencies, blockchain, robo-advisors etc.). These innovations have resulted in over a 1000 startups worldwide with the bulk of them being in the New York City and Jersey City area. The surge in investment in Fintech by venture capitalists and banks have resulted in tremendous job opportunities for people with the right Fintech skills. LinkedIn currently list over 7000 fintech jobs, a vast majority of which is in the New York/New Jersey area. Salaries are lucrative, with average Fintech salaries being greater than many other financial sector jobs.

**FOR MORE INFORMATION:**

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## PROGRAM DESCRIPTION

The MS in Financial Technology program is designed to be a rigorous practice oriented program focused on providing a strong foundation in the technologies, techniques and tools employed in the industry. Students will learn cutting edge technologies such as blockchain and distributed ledgers, analytical skills, including popular machine learning techniques such as Deep Learning, and also the financial knowledge required to work in the industry. Graduates of the program will be thoroughly prepared to hit the ground running when they enter the workforce.

## CURRICULUM

The MS in Financial Technology will require the completion of 30 credits which will consist of seven core courses (21 credits), two elective courses (6 credits) and a capstone project (3 credits). The program is designed to be completed in 16 months at the earliest and all classes are held weekday evenings or Saturday.

### CORE REQUIREMENT
### (21 CREDITS)

| | |
|---|---|
| FINC 673 | **Investment Planning and Portfolio Analysis** |
| FINC 607 | **Corporate Financial Management** |
| FINC 774 | **Analysis of Derivatives and Alternative Investments** |
| FINC 614 | **Introduction to Business Analytics and Data Science** |
| FINC 6X1 | **Designing and Developing Financial Systems** |
| FINC 630 | **Introduction to Machine Learning** |
| FINC 631 | **Current Topics in Financial Technology** |

### CAPSTONE PROJECT
### (3 CREDITS)

| | |
|---|---|
| FINC 7XX | **Thesis/Capstone Project in Financial Technology** |

### ELECTIVES REQUIREMENT
### (6 CREDITS)

| | |
|---|---|
| FINC 772 | **Analysis of Debt Investments** |
| FINC 771 | **Analysis of Equity Investments** |
| FINC 625 | **Financial Modeling** |
| FINC 616 | **Data Visualization and Communication** |
| FINC 635 | **Data Collection, Data Warehousing and Data Cleansing** |
| FINC 665 | **Applied Regression and Time Series Analysis** |

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