

FINTECH (MS)

Department Website (<https://www.stern.nyu.edu/programs-admissions/masters-programs/ms-fintech/>)

NYSED: 41196 HEGIS: 0599.00 CIP: 30.7104

Program Description

NYU Stern's Fintech MS executive program is designed for professionals looking to become leaders in the fintech space. This includes experienced finance professionals who are looking to understand the special challenges of digital transformation in their field, professionals with experience in data science and technology who are looking to deepen their understanding of the financial services industry, and fintech leaders who are looking to understand fintech industry trends. Our students work in the fintech industry or in a non-fintech industry in a fintech function.

The Fintech MS program provides domain knowledge in finance as well as an understanding of tech evolution and enabling technologies. It also focuses on technological transformation and financial functions critical to understanding the fintech space. In addition, students build leadership skills to successfully drive tech first businesses in finance.

Admissions

The Fintech MS program is designed for experienced professionals who recognize the growth of fintech and are looking to advance their skillset in this dynamic and rapidly growing sector.

To apply to the Fintech MS program, you must have:

- A minimum of five years of professional, full-time work experience.
- A bachelor's degree and strong Grade Point Average.
- Demonstrated academic/quantitative preparedness, either through prior coursework, professional experience, and/or certifications.

See Admissions (<https://www.stern.nyu.edu/programs-admissions/masters-programs/ms-fintech/admissions/>) for admission requirements and instructions specific to this program.

Program Requirements

The program requires the completion of 34 credits, comprised of the following:

Course	Title	Credits
Major Requirements		
XFN1-GB 8101	Finance Concepts and Math	1.5
XFN1-GB 8102	R Programming for Data	1.5
XFN1-GB 8103	Databases for Business Analytics	1.5
XFN1-GB 8104	Ethics in Fintech	1
XFN1-GB 8105	The Financial Services Industry	1.5
XFN1-GB 8106	Statistical Foundations of Machine Learning	2
XFN1-GB 8108	Platform Strategy in Fintech	1
XFN1-GB 8109	Strategy, Change, and Analytics	1.5
XFN1-GB 8110	Financial Markets Processes and Technology	1
XFN1-GB 8111	Regulation in Fintech	1
XFN1-GB 8271	Modern AI	1.5
XFN1-GB 8112	Data Visualization for Fintech	1
XFN1-GB 8113	Behavioral Finance	1.5
XFN1-GB 8114	Blockchain and Cryptocurrencies	1.5

XFN1-GB 8115	Decision Models	1.5
XFN1-GB 8122	Fintech in Emerging Markets	1
XFN1-GB 8117	Valuation and Unicorns in Fintech	1
XFN1-GB 8118	Entrepreneurial Finance	2
XFN1-GB 8119	Cyber Risk Management	1
XFN1-GB 8121	Leadership in Fintech	1
XFN1-GB 8201	Fintech Startup Case Studies	2.5
XFN1-GB 8501	Capstone	5
Total Credits		34

Sample Plan of Study

Course	Title	Credits
1st Semester/Term		
XFN1-GB 8101	Finance Concepts and Math ¹	1.5
XFN1-GB 8102	R Programming for Data ¹	1.5
XFN1-GB 8103	Databases for Business Analytics ¹	1.5
XFN1-GB 8104	Ethics in Fintech ¹	1
XFN1-GB 8105	The Financial Services Industry ²	1.5
XFN1-GB 8106	Statistical Foundations of Machine Learning ²	2
XFN1-GB 8108	Platform Strategy in Fintech	1
Credits		10
2nd Semester/Term		
XFN1-GB 8109	Strategy, Change, and Analytics ³	1.5
XFN1-GB 8110	Financial Markets Processes and Technology ³	1
XFN1-GB 8111	Regulation in Fintech ³	1
XFN1-GB 8271	Modern AI ³	1.5
XFN1-GB 8112	Data Visualization for Fintech ⁴	1
XFN1-GB 8113	Behavioral Finance ⁴	1.5
XFN1-GB 8114	Blockchain and Cryptocurrencies ⁴	1.5
XFN1-GB 8115	Decision Models ⁴	1.5
Credits		10.5
3rd Semester/Term		
XFN1-GB 8122	Fintech in Emerging Markets ⁵	1
XFN1-GB 8117	Valuation and Unicorns in Fintech ⁵	1
XFN1-GB 8201	Fintech Startup Case Studies ⁵	2.5
XFN1-GB 8118	Entrepreneurial Finance ⁶	2
XFN1-GB 8119	Cyber Risk Management ⁶	1
XFN1-GB 8121	Leadership in Fintech ⁶	1
Credits		8.5
4th Semester/Term		
XFN1-GB 8501	Capstone ⁶	5
Credits		5
Total Credits		34

¹ Module 1 courses taken in May

² Module 2 courses taken in August

³ Module 3 courses taken in October

⁴ Module 4 courses taken in December

⁵ Module 5 courses taken in February

⁶ Module 7 takes place in May

Learning Outcomes

Upon successful completion of the program, graduates will:

1. Acquire fundamental strategic skills necessary for executive success in dynamic, technology-driven financial services businesses.

2. Obtain specialized tactical knowledge critical to rapidly emerging interdisciplinary sub-fields in fintech such as platform strategy, regulation, and machine learning.
3. Acquire a toolkit of methodologies and practices applicable to real world fintech issues.
4. Develop their capacity to shape their organizations, and to behave ethically as the financial services industry automates.
5. Become leaders in the Fintech field and join the NYU Fintech community, with access to continuing education and personal development based on NYU's leading fintech research, fintech professional associations, and fintech events and seminars, key to the rapidly evolving fintech firms of the future.

Policies

NYU Policies

University-wide policies can be found on the New York University Policy pages (<https://bulletins.nyu.edu/nyu/policies/>).

Stern Policies

Additional academic policies can be found on the Stern Graduate Academic Policies page (<https://bulletins.nyu.edu/graduate/business/academic-policies/>).