

M.S. in Financial Analytics

Master of Science in Financial Analytics

The STEM MS in Financial Analytics is a unique degree that prepares students to excel at the intersection of finance, analytics, and technology—where Wall Street, fintech, and data science converge.

Unlike traditional finance programs, it emphasizes machine learning, predictive modeling, and big data techniques applied to markets, corporate finance, and investments. Additionally, it goes beyond general analytics degrees by providing an in-depth understanding of financial theory and instruments, such as derivatives, risk modeling, and credit analytics. This prepares graduates for the data-driven transformation taking place in Wall Street and fintech.

The program highlights that finance is no longer solely based on intuition; it is increasingly powered by advanced analytics and AI. Designed as a hybrid program for the next generation of quantitative analysts (quants) and decision-makers, it offers access to tools like Bloomberg terminals, R, Python, Tableau, SQL, and a proprietary database that utilizes the same platforms used by hedge funds, banks, and regulators.

With a strong emphasis on job placement, the program targets high-demand and high-paying roles in investment banks, asset management firms, fintech companies, consulting, and regulatory departments. Overall, it equips students for the future of financial decision-making in a global, tech-driven economy.

Why choose Manhattan University? This STEM-designated program blends finance, analytics, and technology in a flexible low-residency format. The GMAT/GRE are not required, and the 37-credit curriculum is designed to be completed in one year by working professionals and ambitious full-time students.

STEM-Designated

A STEM-designated degree at the convergence of finance, data science, and technology.

Finish in One Year

Complete all 37 credits across fall, spring, and summer sessions in a single calendar year

Quant Toolkit

Hands-on work with Bloomberg terminals, Python, R, SQL, and Tableau on real market data

NYC Advantage

Study at the doorstep of Wall Street, fintech, and global asset managers

Career Opportunities

Graduates are prepared for high-demand, high-earning roles such as quantitative analyst (“quant”), financial data scientist, risk manager, investment strategist, portfolio analyst, and fintech product analyst.

These positions span investment banks, asset-management firms, fintech companies, consulting practices, and regulatory agencies. They require professionals who can combine deep financial theory with advanced analytics and artificial intelligence — the combination at the center of Manhattan University’s Financial Analytics curriculum.

What You Will Study

The curriculum provides a strong foundation in financial theory, econometrics, programming, and quantitative modeling, with hands-on work in Python, R, SQL, Tableau, and Bloomberg terminals. Students also explore current topics shaping the future of finance, including machine learning in investment, algorithmic trading, applied artificial intelligence in finance, financial econometrics, and behavioral finance.

By the end of the program, students will be able to analyze complex financial datasets, build and validate predictive and machine-learning models, value derivatives and fixed-income instruments, forecast and manage risk, and lead analytics-driven decisions across markets, corporate finance, and investments.

Program Overview

The Master of Science in Financial Analytics is a 37-credit program designed to be completed in one academic year, with coursework distributed across the Fall, Spring, and Summer terms.

Students complete 12 credits in the Fall, all of which are required core courses that establish the analytical and financial foundations of the program.

The Spring term consists of 12 credits, combining six credits of required coursework with six credits of electives chosen from a curated set of five advanced options, allowing students to begin tailoring their studies to their professional interests.

The Summer term comprises 13 credits, including seven credits of required coursework — anchored by the capstone project — and six elective credits selected from a focused list of four specialized offerings.

Study Plan

First Year

Fall	Credits	Spring	Credits	Summer	Credits
Fall Session 1-all required		Spring Session 1-all required		Summer Session 1-all required	
BUAG 605		3 FNAN 602		3 FNAN 651	1
FNAN 600		3 BUAG 610		3 FNAN 629	3
Fall Session 2-all required		Spring Session 2-all required		FNAN 625	3
BUAG 620		3 FNAN 660		3 Summer Session 2 - all required - Select 2 of the 4 electives	
FNAN 604		3 FNAN 617		3 BUAG 627	3
				FNAN 670	
				BUAG 636	3
				FNAN 650	
12		12		13	

Total Credits: 37