The Mathematics in Finance Department offers a dual degree with the NYU Stern School of Business. Mathematics in Finance MS/Master of Business Administration.

See Mathematics in Finance for admission requirements and instructions specific to this program.

Admissions

All applicants to the Graduate School of Arts and Science (GSAS) are required to submit the general application requirements (https://gsas.nyu.edu/nyu-as/gsas/admissions/arc.html), which include:

- Academic Transcripts (https://gsas.nyu.edu/nyu-as/gsas/admissions/arc/academic-transcripts.html)
- Test Scores (https://gsas.nyu.edu/nyu-as/gsas/admissions/arc/test-scores.html) (if required)
- Applicant Statements (https://gsas.nyu.edu/nyu-as/gsas/admissions/arc/statements.html)
- Résumé or Curriculum Vitae
- Letters of Recommendation (https://gsas.nyu.edu/nyu-as/gsas/admissions/arc/letters-of-recommendation.html), and
- A non-refundable application fee (https://gsas.nyu.edu/admissions/arc.html#fee).

Upon successful completion of the program, graduates will have acquired:

1. Development of computer software skills, including facility with a high-level language such as Python, and the ability to work with financial databases.
2. Development of mathematical skills, including the tools from probability, statistics, and scientific computing that are most useful in quantitative finance.

3. Development of a broad understanding of financial markets and the many investment instruments they encompass.

4. Development of familiarity with widely-used financial models for pricing, hedging, risk-management, asset allocation, and other applications of quantitative finance. This includes understanding the models’ hypotheses and limitations.

5. Acquisition of specialized skills associated with selected quantitative career paths; examples of such skills include algorithmic trading, statistical arbitrage, and financial machine learning.

6. Acquisition of "soft skills" that are crucial for placement and career advancement, including the ability to network effectively, the ability to interview well, and the ability to work well as part of a team.

**Policies**

**NYU Policies**

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

**Graduate School of Arts and Science Policies**

Academic Policies for the Graduate School of Arts and Science can be found on the Academic Policies page (https://bulletins.nyu.edu/graduate/arts-science/academic-policies/).