

COLUMBIA UNIVERSITY

MASTERS PROGRAM IN MATHEMATICS OF FINANCE



COLUMBIA UNIVERSITY INVITES QUALIFIED APPLICANTS TO ITS MASTERS PROGRAM IN MATHEMATICS OF FINANCE.

Co-sponsored by the Department of Mathematics and the Department of Statistics.

The curriculum consists of ten courses: six required courses and four electives chosen from suitable courses in Statistics, Economics or Business. The program concentrates on the advanced quantitative methods required for modern finance and draws on the diverse strengths of Columbia in stochastic processes, numerical methods and application to finance.

Full-time students can fulfill all requirements in two semesters; students may also enroll part time. All required courses are offered in the evening.

The program attracts students with degrees in mathematics, physics, engineering, or computer science; in addition, some students with backgrounds in business or economics are accepted into the program if they have a solid mathematics foundation and excellent credentials. Financial firms such as Goldman Sachs, Morgan Stanley, Citigroup, J.P.Morgan Chase, Bank of America, UBS, Credit Suisse, Barclays Capital, D.E.Shaw, McKinsey & Co, Deloitte & Touche and many others have recruited graduates of the program. The recent starting salaries have been between \$45,000 and \$150,000 per year depending on experience and the position held. The program sponsors numerous recruiting events and has the advantage of being in New York City. Students in the program can also rely on the help of a strong alumni network.

There is no financial aid offered by Columbia University for students in Mathematics of Finance. Many students, however, receive scholarship aid from their employers or national or governmental agencies. Full-time tuition in 2008-2009 is \$17,516 per semester and the length of the program is 2 semesters full time or 2 years part time. Applications are available online at <http://www.columbia.edu/cu/gsas/pages/pstudents/admissions/apply/>

The application deadline is May 31, 2009, with most answers given in June 2009. Applications should include: transcripts of previous academic records, three letters of recommendation (from professors, employers, or both), a statement of academic purpose and a one-page resume. Test scores such as the GRE or GMAT are recommended but not required. TOEFL scores are required for international students; for details see <http://www.columbia.edu/cu/gsas/pages/pstudents/admissions/information/international.html>

WE RECOMMEND that entering students have taken courses in elementary Calculus, Linear Algebra, Elementary Differential Equations, Probability, and Statistics. If possible, students should have exposure to advanced calculus and mathematical analysis and some facility with a programming language such as C/C++.

ADDITIONAL INFORMATION: <http://www.math.columbia.edu/programs/main/mafin>