



## WHY STUDY FINANCIAL ENGINEERING?

More and more Wall Street, money-management and insurance firms are hiring graduates with an MS in financial engineering. Not surprisingly these jobs pay well and have up-side potential. Of course, getting one of these jobs is quite competitive. Which is why getting an edge in this competition by studying financial engineering and getting an MS in the field can be a good investment. If you like and you are good at mathematical subjects your career may be in financial engineering.

## WHO WILL BE ADMITTED?

Before being admitted, applicants will be required to take an entrance examination and have a personal interview with the director of financial engineering program. Most admitted students will have studied a quantitative subject in college such as finance, mathematics, or another area of engineering, computer science or physics. Some applicants will have programming experience and may currently be programmers working on Wall Street.

## WHY STUDY FINANCIAL ENGINEERING AT NJIT?

NJIT is about 50 minutes from the Wall Street Financial District in lower Manhattan by Newark Light Rail and Path. New York is the premier global financial center with a population of about 25 million within commuting distance of the city. NJIT is a technological university that can provide a program in financial engineering for those who want to advance their careers with an increase in their knowledge of finance, particularly financial engineering. Mechanical, electrical, chemical, civil engineering, actuarial and mathematics students already at NJIT who are attracted to the higher level of compensation on Wall Street can also benefit from a Financial Engineering degree. In the metropolitan area, a program located in Newark is particularly convenient for people currently working, studying or living in New Jersey.

## WHAT WILL I LEARN?

You will learn how to price and control the risk of equity, fixed-income, commodity, foreign - exchange and credit derivatives. You will learn how to apply statistical techniques to financial time-series. You will gain experience writing code for financial applications in Mathematica, Matlab and C++, and you will complete a project suggested to you by people already working at a financial firm. This project will be, along with your resume and MS degree, your calling card when you interview with hiring managers.

## WHO TEACHES THE COURSES?

You will be taught by full-time faculty at NJIT, who have real-world experience at a Wall Street or other financial firm, by mathematicians and computer scientists at NJIT and by adjunct faculty who currently work on Wall Street or in another area of finance.

## CAN I STUDY PART-TIME?

Students may elect at any time to study part-time.

## IS FINANCIAL AID AVAILABLE?

Financial aid is extremely limited. However, if you are a full-time student, and you are doing well in your courses, NJIT will try to place you in a summer internship at a financial firm.

## CAPSTONE PROJECT

A core part of the MS degree in financial engineering at NJIT is the capstone project. Each student will choose a project after consulting with practitioners on Wall Street. The completed project will be used as a "calling card" when graduates contact hiring managers.

## NJIT AT A GLANCE

- New Jersey's Science and Technology University, founded in 1881.
- Enrollment of just over 8,200 undergraduate and graduate students in six schools allows small-college intimacy with big university resources.
- 45-acre campus with a recently-completed \$83-million construction program featuring a new Campus Center.
- A U.S. News and World Report "Top National University" and a Princeton Review "Best College."
- Ranks 9th in the nation in diversity with students from more than 100 countries.
- 13:1 student-faculty ratio.

## FOR FURTHER INFORMATION

Please contact by email:  
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## TO APPLY

Office of University Admissions  
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800-925-NJIT  
www.njit.edu/admissions/graduate/howtoapply