

# The Graduate School at Polytechnic Institute of New York University

## THEN:

History Made | 1962-1969 design and engineering of the [Lunar Excursion Module](#) for the NASA Apollo 11 Mission, Thomas Joseph Kelly, Class of '58 | 1944 discovery of polymers used in everyday materials such as [plastics](#), nylon, and rubber, Dr. Herman F. Mark, graduate school faculty | 1874 the steel bridge construction and co-engineering of the [Panama Canal](#) lock system, Henry Goldmark, Class of 1874 | 1944 the discovery of [penicillin](#) and a process of mass-production, John McKeen and Dr. Jasper Kane, Class of '26 and Class of '28 | 1974 to 1981 invention of the main VCR and [Cancerxide](#) components, Jerry Lemelson, Class of '47 and '49 | 1959 invention of the [zoom lens](#), Dr. Leonard Bergstein, Class of '59, graduate school faculty | 1960 to 1977 invention of the [defibrillator](#) and pacemakers, Barouh Berkovits, Class of '56, graduate school faculty | 1945 development of [radar](#) and [microwave](#) technology, Dr. Ernst Weber, graduate school faculty | 1960 invention of non-stick [Teflon](#) coated pots and pans, John Gilbert, Class of '53 | 1967 discovery of an enzyme that resulted in [light beer](#), Dr. Joseph Owades, Class of '50 | 1970 invention of the handheld laser [bar code](#) scanner, Shelly Harrison and Dr. Jerome Swartz, Class of '66, '71 and '63, '69 | 1973 invention of the touch screen [AT&T](#), Richard Orford, Class of '62 | 1986 development and design of the [NASDAQ Automated Quote System](#) and trading floors, CATT: The Center for Advanced Technology in Telecommunications at NYU-Poly | 1998 calculation of over [8 billion digits of pi](#) with mzero, a supercomputer, Dr. Gregory and Dr. David Chudnovsky, graduate school faculty, Class of '47

specialist on the space shuttle [Discovery STS-114](#) and became the first NYU-Poly graduate in space, Dr. Charles Camarda, Class of '74 | 2008 breakthrough [drug delivery research](#) conducted on highly innovative carriers for the targeted therapy of cancer, Dr. Stavroula Sofou, graduate school faculty | 2009 leading paper entitled [Queuing Network Models for Multi-Channel P2P Live Streaming Systems](#) receives [Infocom's Best Paper award](#), Dr. Di Wu, Dr. Yong Liu and Dr. Keith W. Ross, graduate school faculty

## NOW:

History In  
The Making |  
2007 bioengineering  
of a [fuel-latent plastic](#)  
that can be converted into  
bio-diesel, Dr. Richard Gross,  
graduate school faculty | 2009  
development of new field tests for  
[detecting](#) deadly microorganisms  
such as [B. anthracis](#), Dr. Kalle  
Levon, graduate school faculty  
| 2009 breakthrough research  
in [steganography](#) (the prac-  
tice of hiding one piece of  
information within another  
in the field of cyberspace  
security), Dr. Nasir Memon,  
graduate school faculty |  
2007 development of a  
new class of [composite  
materials](#) that are function-  
ally graded, Dr. Maurizio  
Porfiri and Dr. Nikhil Gupta,  
graduate school faculty |  
2009 alumna named chief  
executive officer of Xerox  
Corporation and the [14th  
Most Powerful Woman](#) in  
America by Fortune Mag-  
azine, Ursula Burns, Class  
of '80 | 2007 groundbreak-  
ing book published entitled  
[The Black Swan: The Impact  
of the Highly Improbable](#), Dr.  
Nassim N. Taleb, graduate  
school faculty | 2007 develop-  
ment of a networking invention  
for boosting the [signal strength](#)  
in cell phones using the collective  
power of surrounding wireless de-  
vices, Dr. Elza Erkip, graduate school  
faculty | 2005 alumnus flew as a NASA mission

# NYU·poly

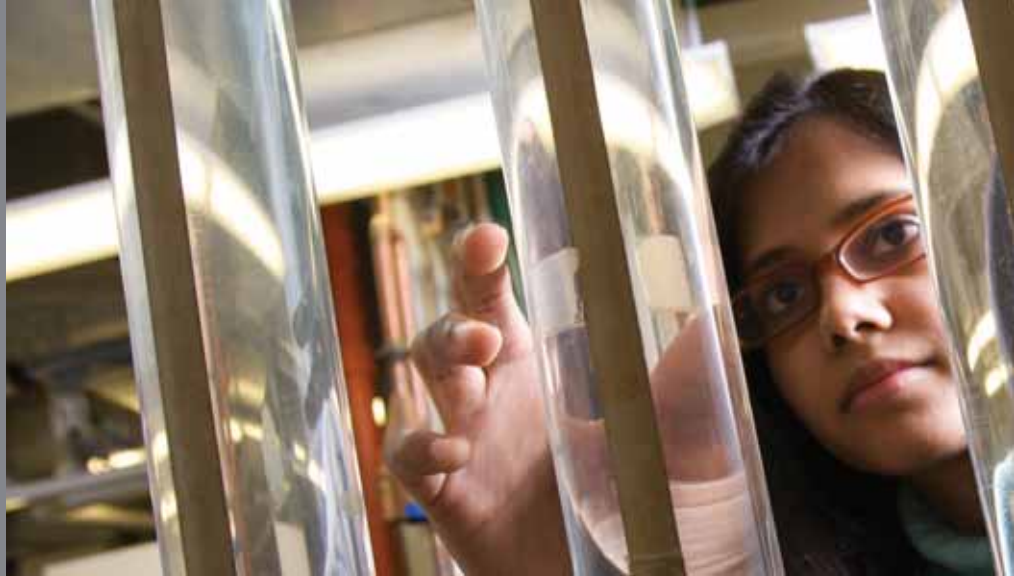
POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY



NEW YORK UNIVERSITY

Leading invention, innovation  
and entrepreneurship





## NEW YORK UNIVERSITY

Founded in 1831, New York University is now one of the largest private universities in the United States. More than 40,000 students attend 14 schools and colleges at 5 major centers in Manhattan and in more than 25 countries around the world. Today, students come from every state in the union and from 133 foreign countries.

In July 2008, New York University and Polytechnic University affiliated to form the Polytechnic Institute of NYU—the New York area’s most comprehensive school of engineering, applied science, and technology management.

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## POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY

The Polytechnic Institute of New York University was founded in 1854. As the second-oldest independent technological institute in the United States, it has brought many world-changing innovations into existence through “the Power of PolyThinking.” Some examples include the mass production of penicillin, the lock system of the Panama Canal, and the NASA Lunar Module. Today, the drive to innovate lives on through pioneering research in areas like green energy, virus detection, and cyber security. The creative force that pervades NYU-Poly has attracted and nurtured generations of inventive students. The Institute is a gathering place for passionate thinkers imbued with curiosity, energy, and creativity who converge to produce a unique power that continues to change the world with an innovative and influential force.

At NYU-Poly, a diverse group of innovative thinkers comes together to share ideas and work in an interdisciplinary environment. Here you will meet and collaborate with “PolyThinkers” from around the globe. As a prospective graduate student, we encourage you to discover everything this world-class institute has to offer, including a dynamic faculty, challenging academic programs, and cutting-edge research initiatives. In the following pages you’ll learn why NYU-Poly is an educational experience like no other and how studying here will enable you to meet the demands of the modern world while building a brighter future.



Dr. Maurizio Porfiri (right) is working with graduate students to understand the collective behavior of animal groups using robotics.





### **OUR APPROACH: i2e INVENTION, INNOVATION, & ENTREPRENEURSHIP**

i2e represents our fundamentally new way of approaching academics and research. At the Polytechnic Institute of New York University, we arm our people with the tools, resources, and inspiration necessary to turn their ideas into applications, products, and services that take flight as faculty- and student-owned companies. At NYU-Poly, we pursue ideas with impact. Our faculty is transforming their research into advanced solutions with strong commercial viability—often leading to technology licensing agreements and startup ventures.

Creative thinking starts in the classroom and continues in our labs and business incubators. Our project-based coursework encourages you to put down the textbook and get your hands dirty. Our action-learning approach not only challenges you to find a novel solution to a problem, it pushes your vision and gives you a taste for invention and innovation. Take part in the “creative renaissance” that’s happening at the Graduate School at NYU-Poly and help solve the challenges of today.

# Academic Offerings

## INNOVATE AND EDUCATE

A graduate education at NYU-Poly combines classroom interaction, professional expertise, and personal enrichment. Our curriculum enables you to transition seamlessly from your graduate program into some of the most demanding industries by exposing you to the latest technologies, research facilities, and business methods. At NYU-Poly, you can pursue an intensive degree program, while achieving success in an ongoing career.

## FORWARD-THINKERS WELCOME

Our curriculum is built on a foundation of invention, innovation, and entrepreneurship—i<sup>2</sup>e. This approach to education fosters a progressive environment and inspires students and faculty to make lasting contributions in the areas of technology, science, and business. NYU-Poly not only prepares you for challenges in your chosen industry, it stimulates the kind of critical analysis and creative thinking you need to achieve your career goals.

## OUR FACULTY

The NYU-Poly faculty are world-class educators, renowned researchers, accomplished inventors, distinguished authors, and inspirational supporters of the innovation process. They will develop your abilities to their fullest potential and help you to effectively accelerate your career. Our faculty continue to make timely contributions to the world including: Prof. Richard Gross's work with eco-friendly fuels; Prof. Stephen Arnold's research into medical bio-sensors; and Prof. Nasir Memon's groundbreaking work in cyber security. In the field of quantitative finance, Profs. Charles Tapiero and Nassim Taleb have contributed significantly to finance and risk engineering theory and practice. Profs. Keith Ross and Thorsten Suel have blazed trails in peer-to-peer networking and search engines, respectively. But not only will you experience enlightening classroom lessons, you will also participate in interactive learning such as industry-specific research, distinguished lecture series and symposia, and unique project work.

## FLEXIBILITY

Flexibility is a key component to an NYU-Poly graduate education, and we have made significant efforts to offer learning that fits into a busy lifestyle. We offer evening and weekend course schedules at four conveniently located New York campuses. Electronic resources make most course materials available online, including our vast library databases. In addition, we offer high-quality NYU-ePoly online courses, making classes available wherever and whenever you choose.

Visit us at [www.poly.edu/academics](http://www.poly.edu/academics) to learn more.



Dr. Jonathan Chao is working on extensive research in the areas of terabit switches/routers, network security, and quality of service control in high-speed networks.

# Graduate Degree Programs

## CHEMICAL + BIOMOLECULAR ENGINEERING

MS, Chemical Engineering  
PhD, Chemical Engineering

## CHEMICAL + BIOLOGICAL SCIENCES

MS, Biomedical Engineering  
MS, Biotechnology  
MS, Biotechnology & Entrepreneurship  
MS, Chemistry  
PhD, Materials Chemistry

## CIVIL ENGINEERING

MS, Civil Engineering  
MS, Construction Management  
MS, Environmental Engineering  
MS, Environmental Science  
MS, Transportation Management  
MS, Transportation Planning & Engineering  
MS, Urban Systems Engineering and Management  
PhD, Civil Engineering  
PhD, Transportation Planning and Engineering

## COMPUTER SCIENCE + ENGINEERING

MS, Computer Science  
MS, Cyber Security  
MS, Information Systems Engineering (Westchester)  
MS, Telecommunication Networks  
PhD, Computer Science

## ELECTRICAL + COMPUTER ENGINEERING

MS, Computer Engineering  
MS, Electrical Engineering  
MS, Electrophysics  
MS, Systems Engineering  
MS, Telecommunication Networks  
ME, Interdisciplinary Studies in Engineering (Wireless Engineering)  
PhD, Electrical Engineering

## FINANCE + RISK ENGINEERING

MS, Financial Engineering

Financial Engineering Tracks:  
– Computational Finance  
– Financial Information Services and Technology  
– Financial Markets and Corporate Finance  
– Actuarial Science

## HUMANITIES + SOCIAL SCIENCES

MS, Environment-Behavior Studies  
MS, History of Science & Technology  
MS, Integrated Digital Media

## MATHEMATICS

MS, Mathematics  
PhD, Mathematics

## MECHANICAL + AEROSPACE ENGINEERING

MS, Mechanical Engineering  
PhD, Mechanical Engineering

## PHYSICS

MS, Physics  
PhD, Physics

## TECHNOLOGY MANAGEMENT

MS, Information Management  
MS, Management  
MS, Management of Technology  
MS, Accelerated Management of Technology  
MS, Organizational Behavior  
PhD, Technology Management

## INTERDISCIPLINARY DEGREES

MS, Bioinformatics  
MS, Industrial Engineering  
MS, Manufacturing Engineering  
ME, Interdisciplinary Studies in Engineering  
PhD, Biomedical Engineering

## ONLINE PROGRAMS

MS, Bioinformatics  
MS, Electrical Engineering  
MS, Telecommunication Networks  
MS, Manufacturing Engineering

To learn more about our certificate programs, visit [www.poly.edu/graduate](http://www.poly.edu/graduate).





## JIN KIM MONTCLARE

PhD, Yale University

By any standard, Jin Kim Montclare is a rising star in the field of protein engineering. Her research spans from fabricating proteins capable of: self-assembling into ordered materials for sensing and scaffolding for small molecules or cells; performing catalytic reactions for use in polymer and synthetic chemistry; and serving as therapeutics to treat disorders. In 2006, Dr. Montclare was a recipient of the Wechsler Award for Excellence. In 2007, she received a \$300,000 Young Investigator grant from The Air Force Office of Scientific Research for her work with protein materials. In addition to research, Dr. Montclare has been involved in out-reach to inspire young girls to pursue careers in science and was granted a Dreyfus Award in 2008.







### KEITH W. ROSS

PhD, University of Michigan

Dr. Ross, the Leonard J. Shustek Chair in Computer Science, and a Professor and Department Head in the Department of Computer Science and Engineering, is an international expert in peer-to-peer networking and video streaming. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), recipient of the Infocom 2009 Best Paper Award, and recipient of Best Paper in Multimedia Communications 2006-2007 awarded by IEEE Communications Society.



### KATHERINE ISBISTER

PhD, Stanford University

Dr. Isbister is an Associate Professor of Digital Media jointly appointed in the Department of Humanities and Social Sciences and the Department of Computer Science and Engineering. Her research interests include emotion and gesture in games, supple interactions with human computer interfaces, design of game characters, and game usability. She is also the director of the Game Innovation Lab at NYU-Poly. Isbister has written two books on game design, one of which was nominated for a Game Developer Frontline Award. Dr. Isbister has also been named a Young Innovator by the MIT Technology Review.



### MEL HORWITCH

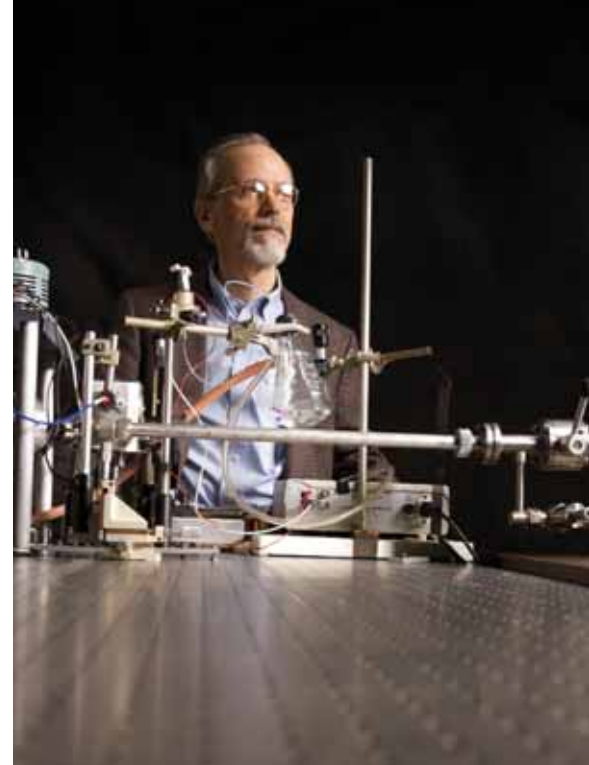
DBA, Harvard Business School

Dr. Horwitch is a recognized expert in digital-based and content innovation and a Professor of Management in the Department of Technology Management at NYU-Poly. Dr. Horwitch is a founding Director of the Institute for Technology and Enterprise and has written extensively on innovation and technology strategy, particularly with reference to such knowledge-intensive sectors as services, information technology, and telecommunications. Professor Horwitch has produced numerous publications, articles, and web-based multimedia cases.

## BRUCE GARETZ

PhD, Massachusetts Institute of Technology

Dr. Garetz is the Department Head of Chemical and Biological Sciences and a Professor of Physical Chemistry at NYU-Poly. Professor Garetz's research has led to a new crystallization technique for the on-demand production of single crystals. Garetz and his team published research in which they observed that lasers could cause supersaturated urea solutions to crystallize—a technique called nonphotochemical laser-induced nucleation (NPLIN). Throughout his career, Garetz has received numerous awards including the Alfred P. Sloan Research Fellowship.



## HELEN LI

PhD, Purdue University

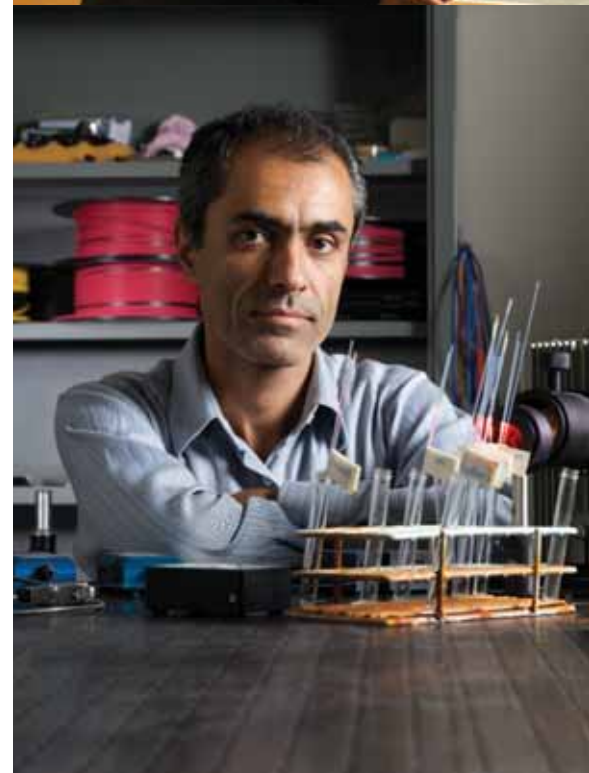
Dr. Li is an Assistant Professor in the Department of Electrical and Computer Engineering. Her research interests include low-power architecture/circuit/device co-optimization for nanoscale computing and storage systems, 3D integration technology and design, and design for new devices. Dr. Li holds 42 patents and has 41 U.S. patents pending. She has co-authored two books and a number of journal articles.



## MASOUD GHANDEHARI

PhD, Northwestern University

Dr. Ghandehari is an Associate Professor in the Department of Civil and Environmental Engineering. He engages students from across diverse disciplines and applies his expertise to guide them toward solving challenges involving the aging of roads, bridges, gas, electric, and water infrastructure. Dr. Ghandehari specializes in the development of health monitoring and condition assessment tools for the evaluation and characterization of the internal chemical states of the materials in service. His intensive research in this area aims to help improve future design through understanding the effects of natural trends and rates of aging and enhance infrastructure performance by optimizing repair and replacement strategies and schedules.





### **NASSIM NICHOLAS TALEB**

PhD, University of Paris

Nassim Nicolas Taleb (left), the Distinguished Professor of Risk Engineering, is an honored world leader on many issues that relate to market defaults. He is also the author of the best seller *The Black Swan: The Impact of the Highly Improbable* (2007), in addition to his acclaimed books, *Fooled by Randomness: The Hidden Role of Chance in Life* (2001, 2005) and *Markets and Dynamic Hedging*. Selected Honors include: Power 30 Wall Street Journal / Smart Money (2007), Frost & Sullivan Visionary of the Year (2008), and Derivatives Strategy Hall of Fame (2000).

### **CHARLES TAPIERO**

PhD, New York University

Charles Tapiero (right) is the Topfer Chair and Distinguished Professor of Financial Engineering & Technology Management and the Chair of the Department of Finance & Risk Engineering. Professor Tapiero is a recognized leader in risk engineering and in insurance-finance. He has published 13 books and over 350 papers on a broad range of issues spanning risk finance management, stochastic modeling, and applied stochastic control in risk engineering, insurance, technology, and other areas.





## WANTED: INSPIRING MINDS

Our graduate students don't just make innovations; they make a difference. Through our strong relationships with charities and service organizations, you can use your creativity to help and inspire others. NYU-Poly graduate students are proud to apply their knowledge and give back to the community through organizations such as NYC Service, Habitat for Humanity, and New York Cares. Not only does it provide the satisfaction of helping someone in need, it also prepares you for unique industry challenges.

## A COMPETITIVE ADVANTAGE

The spirit of competition is alive and well at NYU-Poly. We encourage you to put yourself to the test and hone your skills by participating in our multi-faceted competitions. These opportunities—such as NYU-Poly's Time-Warner Inno/Vention Competition and the NYU Stern School's Business Plan Competition—provide a platform for recognition within the NYU and larger business communities. We believe that a competitive environment brings out the best in our students, and many of our winners have gone on to launch their ideas as new products and startup companies.

## INNOVATION WITH A CONSCIENCE

NYU-Poly and the NYU Reynolds Program in Social Entrepreneurship present "Social Entrepreneurship in the 21st Century." In this annual speaker series, you'll be informed, enlightened, and inspired by some of today's most influential social entrepreneurs, including John Mackey, Chairman and CEO of Whole Foods; Craig Newmark, Founder of Craigslist; and Peter Thum, Co-founder of Ethos Water. Now in its third year, the series features social entrepreneurs and related leaders who have launched extraordinary programs, which address the most pressing challenges of the 21st century. The philosophies of the speakers reflect Reynolds' belief that social entrepreneurship is a meta-profession, drawing on cross-disciplinary knowledge and practice.

## SOWING ENTREPRENEURIAL SEEDS

NYU-Poly supports entrepreneurship through two flagship business incubators. The Brooklyn Enterprise on Science and Technology (BEST) and our NYC-sponsored center at 160 Varick Street provide an environment to stimulate the growth of science, technology, and green energy startups. Their mission also includes the expansion of New York City's existing industry base and attracting high-tech industry in order to create jobs and economic development. Our centers seek to foster entrepreneurial activities by providing low cost facilities, educational opportunities, and an array of technological and business services to new and emerging companies. Entrepreneurs and startups receive hands-on management assistance, access to financing, and business and technical support. These incubators also provide shared office services, access to equipment, flexible leases, and expandable space—all under one roof. By helping companies survive the challenging startup period, NYU-Poly gives the entrepreneurial spirit a chance to take root and grow.



The Jacobs Academic Building is at the heart of our Brooklyn MetroTech Campus.



## CAREER DEVELOPMENT

The Graduate School at NYU-Poly prepares you for vertical and lateral career mobility. You can develop deep technical knowledge through specialization or branch out through interdisciplinary fields such as technology management. Many of our students choose to do both, becoming what is known affectionately as a "T-shaped individual"—someone who is an expert in their chosen field but is also conversant with a wide breadth of knowledge across business and technology.

Whichever path you choose, you will develop radically new insights in your area of specialty, translating into new career opportunities and/or advancement in your current profession.



## OUR ALUMNI NETWORK

As an NYU-Poly student, you will tap into our vast network of more than 30,000 alumni worldwide. They are leaders and high-ranking professionals in today's most influential companies and organizations—including Fortune 500 CEOs, successful entrepreneurs, and university presidents. Our alumni network will give you a superior advantage in the job market, as well as connect you to an extensive list of professional contacts over the course of your entire career.



### Images (from top to bottom):

- 1 Staff and students enjoy an evening of fun at the monthly Graduate Student Social Event at the nearby Union Street Cafe in Park Slope, Brooklyn.
- 2 Raman Viswanathan is part of a team headed by Professor Richard Gross that's working on recycling plastic into an eco-friendly biodiesel. Raman regularly plays guitar in the lab while monitoring his experiments.
- 3 Students enjoy the sun and air in the Common area of MetroTech Center at the Brooklyn Campus.
- 4 The NYU-Poly business incubator at 160 Varick Street provides vast opportunities for graduate students to work with startup businesses or maybe even launch a startup of their own.



## The NYU-Poly Advantage

At NYU-Poly, you are part of something much bigger than an institute of higher learning—you are a global citizen. Wherever you call home, you will find NYU-Poly to be a welcoming environment that draws a diverse array of students from all corners of the earth—from Brazil to India to China and beyond. *U.S. News & World Report* ranks NYU-Poly #4 in America for student diversity. This mosaic of unique personalities will be your classmates, friends, and lifelong professional contacts. You may, in fact, find yourselves starting a global business together.

Our graduates and faculty have left indelible marks on global technology, science, and engineering—from Eugene Kleiner whose company, Fairchild Semiconductor, set off Silicon Valley's high-tech boom to Paul Soros whose firm encouraged global trade by engineering ports in 90 countries, to Jerome Lemelson, the second most prolific inventor of the 20th century, who held more than 550 patents.

Today, our master's and doctoral students are breaking new ground in some of the most significant areas of biomedical research, sustainable environments, technology management, risk and financial engineering, and a host of other fields that dominate our rapidly changing, technology-centered society. Students apply what they learn, and develop the skills and qualities—both needed and expected in this increasingly integrated, global climate—to make a real difference in the world around them.

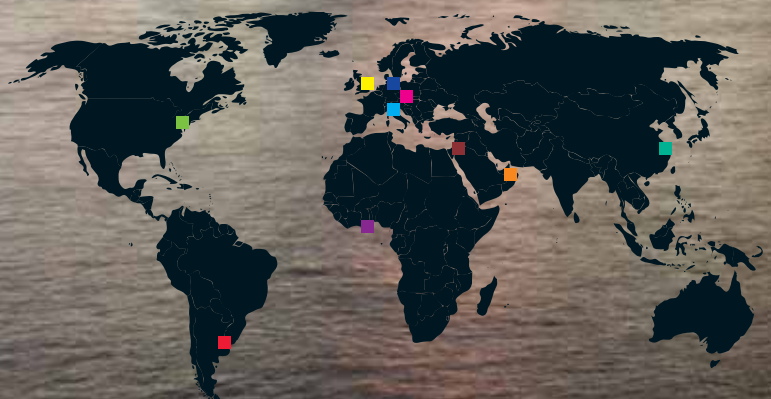
NYU-Poly is a global community. We provide you with a supportive and enlightening environment, while connecting you to a vast array of international, professional opportunities. As a student in a global network university with a portal campus in Abu Dhabi and 10 international academic centers, you'll find opportunities on five continents—Africa, Asia, Europe, North America, and South America.

*We are in the midst of a new revolution that will have an impact around the world. Our students span the globe from India to China to Turkey. Invention, innovation, and entrepreneurship are clearly the keys to success for young people in the 21st century.*

—Jerry M. Hultin, *President*  
Polytechnic Institute of  
New York University

### GLOBAL SITES

- NYU in Abu Dhabi
- NYU in Accra, Ghana
- NYU in Berlin
- NYU in Buenos Aires
- NYU in Florence
- NYU in London
- NYU in Prague
- NYU in Shanghai
- NYU in Tel Aviv





Think Global. Study Local.

### **BROOKLYN METROTECH CAMPUS**

MetroTech Center in downtown Brooklyn is home to NYU-Poly's main campus. It is one of the largest urban university-corporate parks in the world and the largest in the United States.

### **MANHATTAN GRADUATE CENTER**

NYU-Poly maintains a strong presence at the New York Information Technology Center in Manhattan, where it offers the Management of Technology, Information Management, and Financial Engineering Programs.

### **LONG ISLAND GRADUATE CENTER**

Located in Melville, Long Island's center of commerce, NYU-Poly's Long Island Graduate Center serves as an important resource for the region's engineering, science, business and technology communities.

### **WESTCHESTER GRADUATE CENTER**

NYU-Poly's Westchester Graduate Center has served the Hudson Valley area for more than 25 years and is the area's premier center for graduate and continuing technical and managerial education.

### **NEW YORK UNIVERSITY**

As a part of New York University, our students have the opportunity to take select courses at other NYU campuses, including the main campus in Greenwich Village. Students often participate in cross-campus activities and also have access to expanded resources, like the NYU Bobst Library, which is one of the largest academic libraries in the United States.

### **NYU-ePOLY ONLINE**

NYU-ePoly offers renowned online courses in 14 areas. Fulfilling a degree in this way complements the busy schedules of many motivated professionals. Learn more at [www.poly.edu/epoly](http://www.poly.edu/epoly).







1

POOL TICKERS	FH - FHLMC (non gold)	SBA - Small Bus Ad
GN - GNMA I	FG - FHLMC (gold)	CAN - Canadian
G2 - GNMA II	FN - FNMA	

GENERIC TICKERS	FNMA	FHLMC GOLD
<b>GNMA I</b>	FNCL 30-yr fixed	FGLMC 30-yr fixed
GNSF 30-yr fixed	FNCI 15-yr fixed	FGCI 15-yr fixed
GNJO 15-yr fixed	FNCX 30/7 balloon	FGFB 30/5 balloon
GNMHB Mobile Home B	FNCT 20-yr fixed	FGSB 30/7 balloon
GNMHD Mobile Home D	FNCN 10-yr fixed	FGTW 20-yr fixed
GNGP Grad Payment	FNGL FHA/VA guar	FGIDH0 10-yr 10/20 Amort
<b>GNMA II</b>	FNCF COFI ARM	FGIDH1 15-yr 10/15 Amort
30-yr fixed	FNCZ 40-yr fixed	FGIDH2 10-yr 10/10 Amort
	FNTONP 7-10yr 10	<b>FHLMC 75-day</b>
		FHLMC 30-yr fixed

2



3



4

## GRADUATE EDUCATION AS AN INVESTMENT

Many professionals are finding that their undergraduate degree isn't providing them with the skills necessary to thrive in this challenging economic climate. A graduate degree from NYU-Poly will enable you to pursue exclusive research initiatives, while gaining the expertise you need to become a highly sought after professional.

An education in engineering, science, or technology management will not only enable you to pioneer research on a global scale, but it will also increase your earning potential. PayScale ranks NYU-Poly #7 among national engineering schools for mid-career salary potential and #15 overall. Visit [www.poly.edu/gradapply](http://www.poly.edu/gradapply) to learn more.

At NYU-Poly, we will ensure that you will have the means to afford the benefits of a graduate degree. Our graduate student funding options include:

- Scholarships
- Fellowships
- Need-based tuition awards
- Federal and private loans
- A range of flexible payment plans

## GRADUATE SCHOLARSHIPS, FELLOWSHIPS, AND NEED-BASED AWARDS

NYU-Poly will determine your eligibility for Fellowships, Graduate Center Merit-based Scholarships, and Need-based Awards based on your academic achievements. The assessment of scholarships is rooted in your GPA, standardized exam results, and academic credentials such as thesis papers or projects. Most graduate scholarships are distributed as tuition scholarships to help you support the overall cost of graduate programs.

## LOAN PROGRAMS

### Federal Stafford Loans

All eligible graduate students may apply for Federal Stafford Loans. Loan eligibility levels are \$18,500 annually, including a maximum of \$8,500 in the Subsidized Stafford Programs and the remainder in the Unsubsidized Program. To be eligible, you must: (1) be a U.S citizen or eligible non-citizen, (2) enroll for at least 6 credits per semester as a matriculated graduate student, (3) make satisfactory academic progress, and (4) demonstrate financial need. All applicants must complete a Free Application for Federal Student Aid (FAFSA) to determine need. All interest and principle payments are deferred as long as you are enrolled for at least 6 credits per semester. Repayment begins six months after graduating or withdrawal from school. Immediate repayment is required if the borrower is enrolled less than half the time.

### Alternative Loan Programs

In addition to the Stafford loan program, NYU-Poly also participates in various alternative loan programs to provide you with further support. The Institute has strong partnerships with Chase, Citibank, and Bank of America to offer a wide range of financial options to fit your every need.

For more information, contact the Financial Aid Office at 718.260.3300 (Brooklyn) or ask at the Administrative Office at any NYU-Poly location.

## PAYMENT PLANS

Student Financial Services will provide you with a variety of payment options. Some of the most frequently used arrangements are as follows:

### Traditional

Tuition payments can be made in the form of cash, check, money order, credit card, or wire transfer.

### Monthly

This interest-free payment plan is offered through Tuition Management Systems (TMS) and will distribute your total tuition bill in a number of monthly payments.

### Graduate Reimbursement

If your employer offers tuition reimbursement, your tuition payments can be deferred. All students participating in the deferment plan can setup a transaction where tuition bills are settled partially or in total.

### Third Party Sponsorship

NYU-Poly will accept authorization to bill a third party (e.g., company, government agency, or organization sponsoring a student). The authorization must be in writing and state that the third party will pay NYU-Poly directly.

### Images (from top to bottom):

- 1 Dr. Franziska Berger teaches a graduate class in Mathematics. Her research focuses on Discrete Mathematics and Optimization.
- 2 The Bloomberg Terminal is located in the Department of Finance and Risk Engineering.
- 3 Technology Management students work in groups at the Manhattan Graduate Center.
- 4 Students await their diplomas at NYU-Poly's Spring Commencement.



## HOW TO APPLY

You may apply online by visiting [www.poly.edu/gradapply](http://www.poly.edu/gradapply). Application materials and information about graduate admissions may also be obtained by contacting:

### Office of Graduate Admissions

Polytechnic Institute of New York University  
Six MetroTech Center, Brooklyn, NY 11201  
Tel: 718.260.3182, Fax: 718.260.3624  
[poly.edu/gradapply](http://poly.edu/gradapply) | [gradinfo@poly.edu](mailto:gradinfo@poly.edu)

### Application Fee

The fee for online and printed applications is \$75.

## ADMISSIONS REQUIREMENTS

To be eligible for admission as a graduate student, an applicant must first hold a bachelor's degree from an institution acceptable to NYU-Poly. Copies of published articles, scientific patents, professional reports, and other evidence of superior attainment and aptitude for graduate study and research are welcomed.

## GRE/GMAT REQUIREMENTS

In addition to the application form and fee, an applicant must have transcripts of any previous undergraduate and graduate records sent directly to the Office of Graduate Admissions. An application should be supported by letters of recommendation from persons qualified to comment on the applicant's aptitude for graduate study and research. The Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) is required for admission to some graduate programs.

## INTERNATIONAL APPLICANTS

To apply to NYU-Poly, international students must follow the general requirements for applicants in addition to the visa requirements on the web at: [www.poly.edu/admissions/graduate/international](http://www.poly.edu/admissions/graduate/international). If after reviewing our web site you find that you still have questions about applying, financial aid, academics, or any other aspect of our institution, we encourage you to contact the Office of Graduate Admissions. Our staff is available to assist you throughout your application process. You can also visit our online Office of International Students and Scholars for information about studying and living in the U.S. as an international student.

## DEADLINES & COST

Visit [www.poly.edu/admissions/graduate/requirements](http://www.poly.edu/admissions/graduate/requirements) for the most current information on admissions deadlines and cost estimates.

## TAKE THE NEXT STEP

Take the next step towards a graduate education at NYU-Poly by planning a visit to our campus, scheduling a meeting with a program director, or attending a lecture or graduate information session. Arrangements can be made by calling the Office of Graduate Admissions at 718.260.3182. If arrangements are made in advance, prospective students are welcome to have an interview with a member of the admissions staff during their visit.



Our admissions staff is here to help you get the facts you need to start your graduate education at NYU-Poly.

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