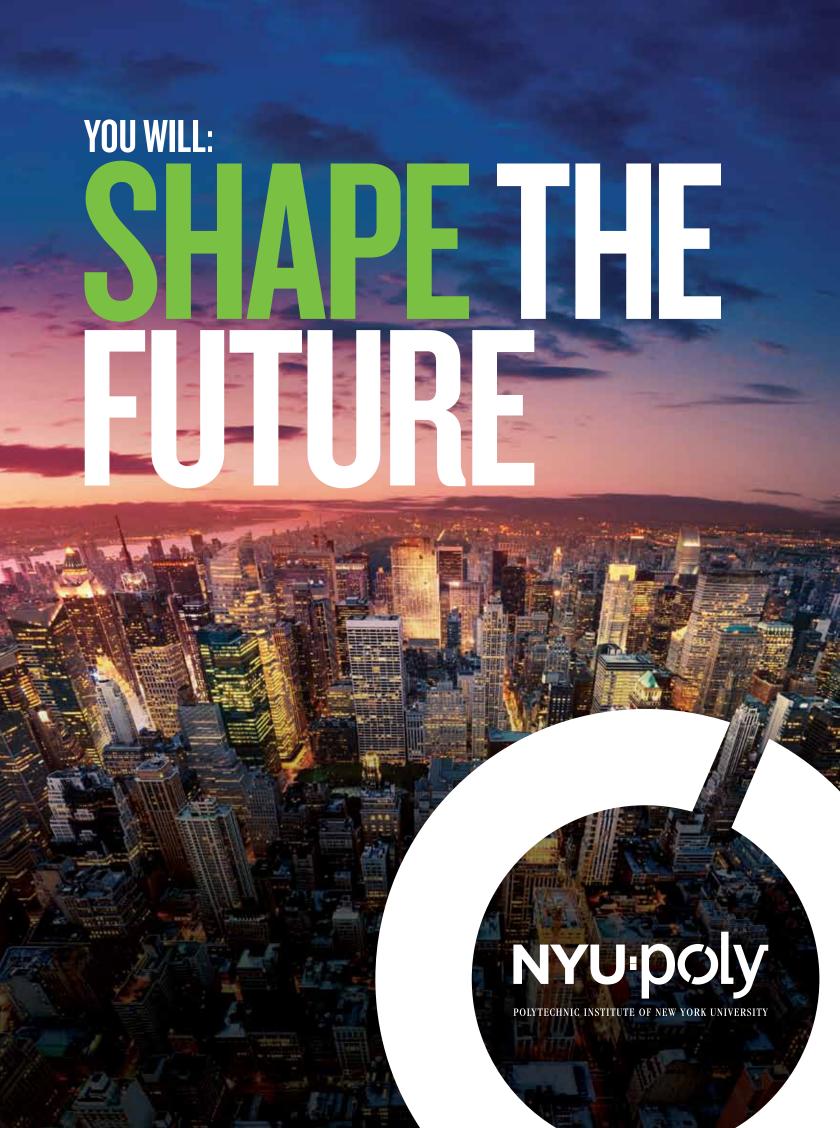
POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY







ENGINEER A CURE
FEED THE WORLD
CHANGE THE CODE
GROW NEW ENERGY
BUILD A SOLUTION
DECODE THE UNIVERSE
RESTART THE GAME

WHAT WILL YOU DO?

Based in New York City, NYU-Poly is a place for passionate thinkers with big ideas. We empower you to make those ideas actionable, from the classroom to the lab and beyond.



YOU WILL:

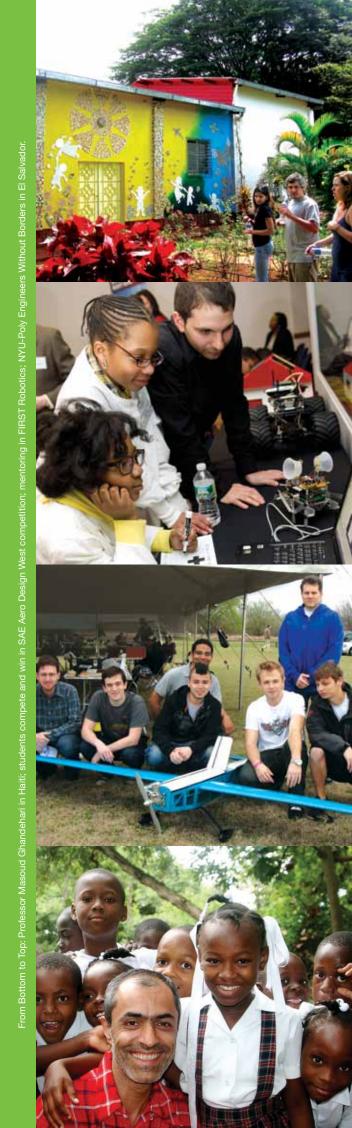
NYU-Poly students don't just make innovations—they make a difference. Encouraged to think beyond the problems of today to the solutions of tomorrow, their ideas transform lives and create new industries. Join us. Acquire the knowledge and hands-on research experience you need—and dare to change the world.

INNOVATION WITH PURPOSE

We use our power for good. Programs like **Sustainable Urban Environments** craft careers based on social responsibility, while virtually all majors offer opportunities to help humankind. From designing fuel-efficient vehicles in mechanical engineering to performing cancer research in chemical engineering, our students make an impact. On top of that, NYU-Poly students and faculty volunteer for good causes from Brooklyn to Haiti to Africa:

- Urban Assembly Institute
- Orphans International Worldwide
- Resurge Internationa
- Engineers without Borders
- FIRST Robotics
- mHealth (Mobile Health)

■ NYU-Poly Time Warner Cable Inno/Vention finalists (left to right) Myo Nyi, Matthew Moore, Justin Lin and Kuang Oo Han are turning biomass and oceanic salt into energy, reducing dependency on fossil fuels and bringing power to places with limited access to electricity.



► "Intense instruction that inspires you to invent, with classmates that share your passion for building new things—that's why I chose NYU-Poly."

- Billy Gordon EE/NE '12

YOU WILL:

DISCOVER THE POWER OF i²e

i²e stands for **invention**, **innovation** and **entrepreneurship**—the core principles behind everything we do at NYU-Poly. More than a philosophy, i²e is an attitude—a way of life. We'll help you put classroom learning into action with real-world research, competitions and projects that reflect your interests and develop your creativity. You'll transform from a thinker to a doer, as you lay the groundwork for a lifetime of success.







INVENTION CREATE WITHOUT LIMITS.

Turn your great ideas into reality at NYU-Poly. We'll provide you with the research facilities, lab experience and faculty support you need to take your most ambitious concepts from possibility to actuality.

INNOVATION IMPROVE OUR SOCIETY.

Get creative, reshaping existing technology alongside internationally respected instructors who have already done it. Make things work in novel ways by thinking beyond what is and discover what might be.

ENTREPRENEURSHIP LEAD THE FUTURE.

Make your ideas work for you.

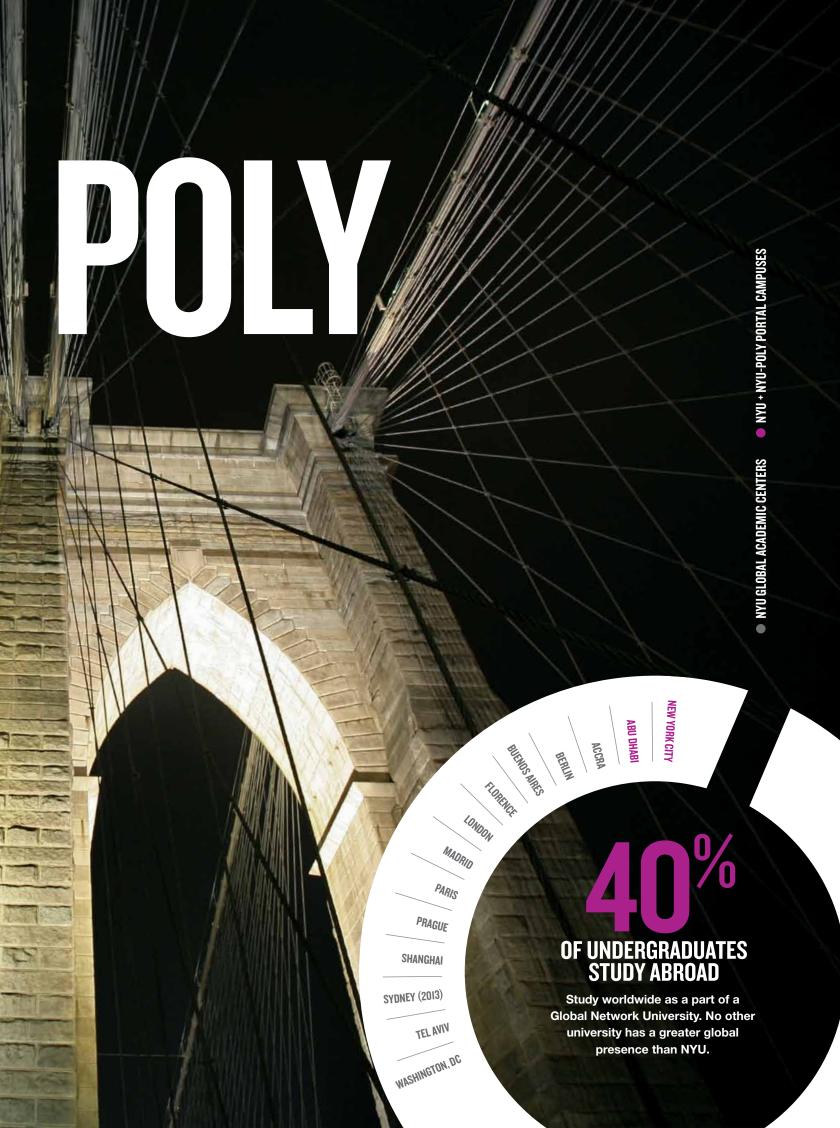
Our emphasis on entrepreneurship gives you the knowledge to potentially turn ideas into an enterprise. Through working with our incubators and applying for patents, we'll teach you how to get down to business. Literally.

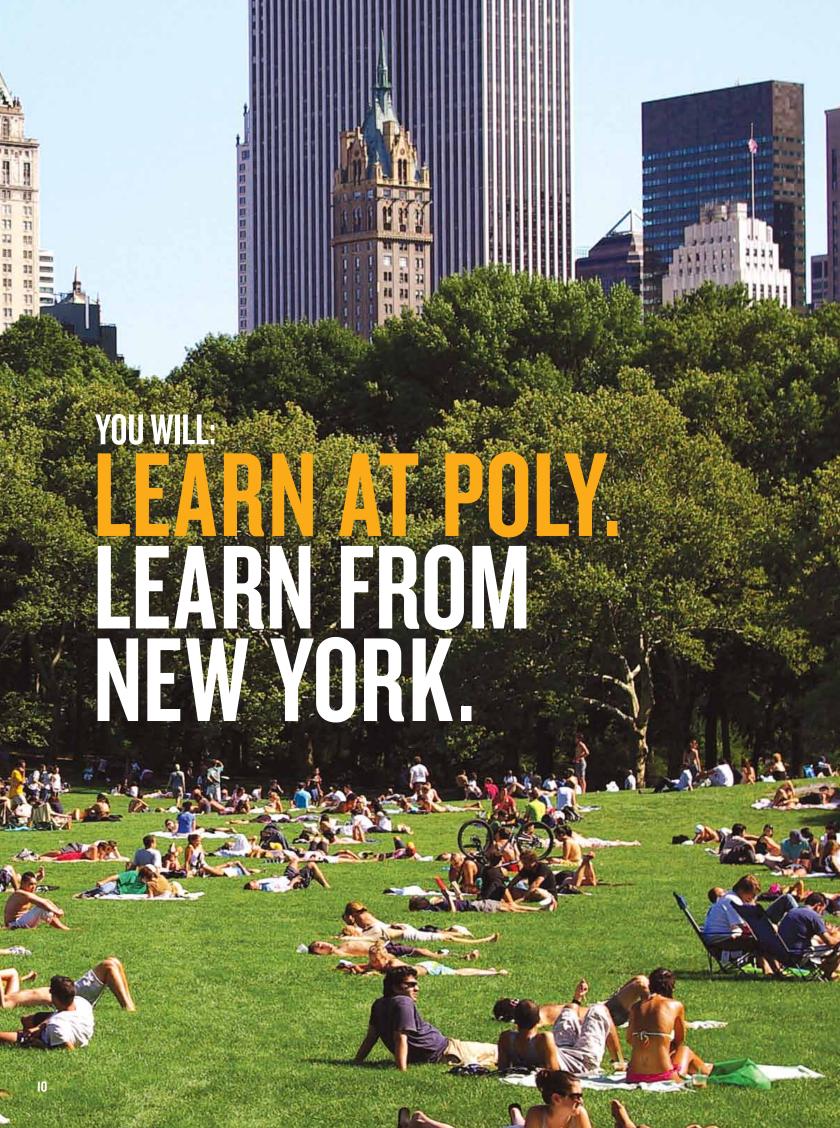
Electrical engineering major Billy Gordon, pictured here with his solar-powered LED flower built of repurposed waste material, has already been featured in *Popular Science*, *Make* Magazine and PCMagazine.com for his out-of-the-box ideas. NYU-Poly, the second-oldest school dedicated to the study of engineering, science and technology in America, has merged to become an affiliate of New York University, the largest private learning institution in the country. What this powerful affiliation means for you is this: access. From the incredible facilities of NYU to the worldwide network of Poly alumni, virtually every resource is open to you.

ACCESS. TO EVERYTHING.

- A global network of 42,000 alumni that includes Fortune 500 CEOs, successful entrepreneurs and university presidents
- Powerful partnerships with NYU's entrepreneurship programs
- \$17 million in funding for research and innovation
- Dozens of laboratory spaces with modern equipment
- World-renowned instruction with a 15:1 student:faculty ratio
- Association with two powerful, prestigious universities





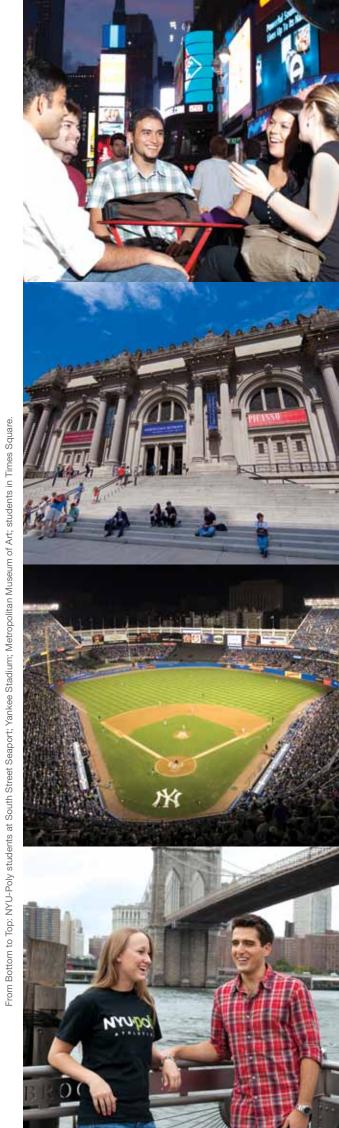


From the Great Lawn to Times Square, food to culture and sports to the arts, New York City has it all—plus endless opportunity as a global business hub. Living here means furthering your career, from incredible internships to valuable networking contacts. Make it here and you can make it anywhere.

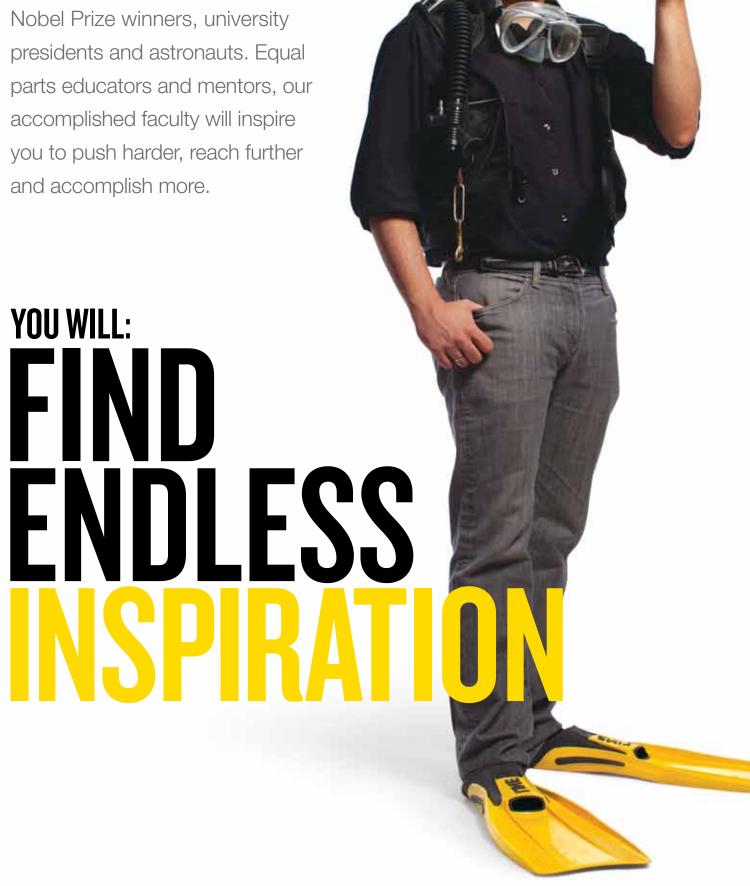
DO ANYTHING. DO EVERYTHING.

- Work or intern for internationally recognized companies and build real-world experience.
- Get cultured at the MoMA, Metropolitan Museum of Art, the Museum of Natural History, or Broadway and Lincoln Center.
- Enjoy world-class shopping on Fifth Avenue, or discover great finds in SoHo.
- Participate in dozens of festivals, like the San Gennaro Festival, Puerto Rican Day Parade,
 Fashion Week or the Thanksgiving Day Parade.

The city's energy is vibrant, and so are its urban oases. Spectacular design and interesting crowds make green spaces like Central Park hubs of outdoor activity.



Learn from pioneers in the world of science and technology. Our faculty and alumni include



ROLE MODELS

Jonathan Chao (top right), head of the Electrical and Computer Engineering department, is creating an implantable device that will stop epileptic seizures before they even begin.

Richard Gross (center right), of the Laboratory of Biocatalysis and Bioprocessing, is fostering sustainability by turning yeast into bio-based plastics, which in turn can be used as fuel—potentially replacing petroleum.

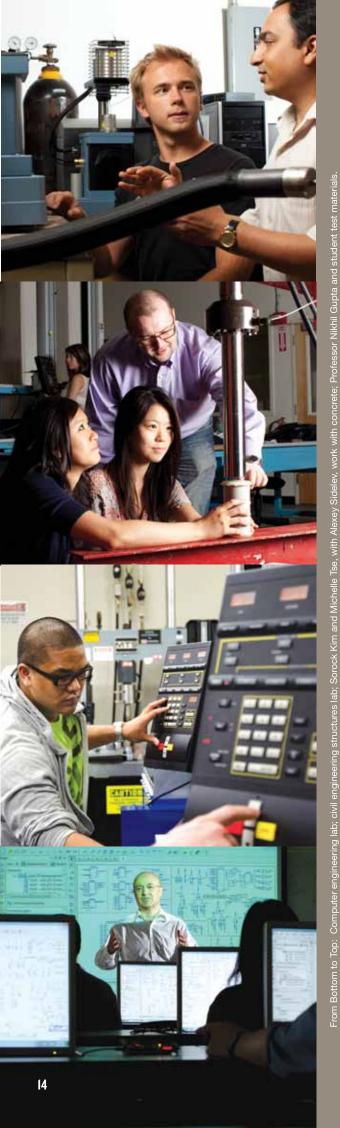
Jin Kim Montclare (bottom right), professor and director of the NYU-Poly Protein Engineering and Molecular Design Lab, mentors undergraduates as they genetically engineer protein polymers to change the face of healthcare.

A WEALTH OF RESOURCES

NYU-Poly's campus and facilities are part of its unique appeal. Dozens of modern laboratories, a robust library system integrated with that of NYU, new meeting spaces and \$17 million in research funding are only the beginning of what makes the NYU-Poly experience unparalleled.

■ One of Popular Science's "Brilliant 10" and a frequent feature in science media, Maurizio Porfiri enlists students to help design robotic fish that can lead other fish out of danger.





UNDERGRADUATE PROGRAMS

BS Biomolecular Science

• Concentration: Biomedical, Biotechnology, Chemistry

BS Business and Technology Management

 Concentration: Technology Innovation and Strategy, Technology and Innovation in Finance

BS Chemical and Biomolecular Engineering

BS Civil Engineering

BS Computer Engineering

BS Computer Science

BS Computer Science and Electrical Engineering

• Dual Degree

BS Construction Management

BS Electrical Engineering

BS Integrated Digital Media

BS Mathematics

BS Mechanical Engineering

• Concentration: Aerospace Engineering

BS Physics

• Concentration: Nuclear Science and Engineering

BS Physics and Mathematics

BS Science and Technology Studies

BS Sustainable Urban Environments

SPECIALIZATIONS:

BS/MS Programs

Chemistry

Nuclear Engineering

Pre-Health

- Pre-Med
- Pre-Med Early Assurance Program

Pre-Law

Minor in Business at NYU



MAKE THEORIES CONCRETE

Find your future. That's what NYU-Poly helps you do. Starting with Freshman Engineering and our unique Freshman Forum for Innovation and Technology, we'll expose you to exciting real-world fields and guide you in the right direction. Ignite your passion through your major. Broaden your views of science and technology with hands-on experience in modern, well-equipped labs. Be inspired to think like an innovator. Then, turn even the most abstract ideas into concrete solutions.

▶ Sorock Kim, one of Professor Masoud Ghandehari's undergraduate civil engineers, is working toward ecofriendly construction, designing lighter concrete that absorbs rather than emits heat, and using fiber optics to monitor its formation.

HSTORYOF INNO/VENTION

A tradition of invention, innovation and entrepreneurship plus brilliant students, alumni and faculty—that's what keeps NYU-Poly among the top names in science, technology and engineering. Since 1854, we've been providing solutions, helping this world run a little smoother.

NYU:poly

POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY



James Wood '79 develops machinery to produce steel cables for the Brooklyn Bridge.



Professor Samuel Sheldon takes one of the very first successful X-ray photos.



Robert G. Brown '68 invents the modern "French" telephone, the first to combine mouthpiece and receiver in one handset.



Edward R. Knowles '71 graduates and goes on to design searchlights for the Navy and invent the storage battery.

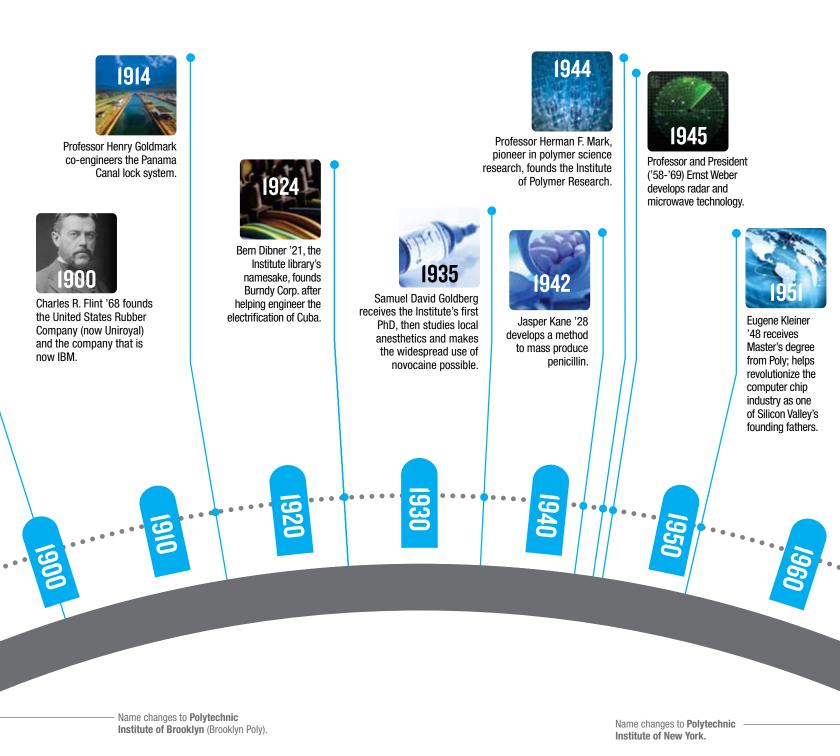


Decorated naval engineer George W. Melville '61 helps found the National Geographic Society.



Brooklyn Collegiate and Polytechnic Institute founded.

Brooklyn Collegiate and Polytechnic Institute founded.



INNO/VENTION THROUGH THE AGES





Handheld laser barcode scanner invented by Jerome Swartz '63 '68 and Shelley Harrison '66 '71.



Professor Richard Gross '86 bioengineers a fuellatent plastic that can be converted into biodiesel.



Construction of the MetroTech Center, pioneered by Poly President George Bugliarello, begins.



Martin L. Perl '48 Hon '96 awarded Nobel Prize in physics for co-discovering the tau lepton particle.



Professor Kalle Levon invents inexpensive transistorbased biosensor to quickly diagnose infections.



Professors Nikhil Gupta (NYU-Poly) and Paulo Coelho (NYU) collaborate on an initiative to design a biomaterial to improve body armor.

Name changes to **Polytechnic University** (name changed to reflect university status).

> Name changes to Polytechnic Institute of New York University (affiliation with NYU begins).

UNDERGRADUATE SUMMER RESEARCH PROGRAM

Immerse yourself in what you love, and get ahead while doing it. This 10-week program opens faculty labs to chosen students and provides an incredible experience, both professionally and personally.

- Work in a paid, full-time, in-lab position with a faculty mentor.
- Participate in weekly seminars presented by distinguished faculty.
- Present your work to your peers at special symposia.
- Attend special presentations on applying for graduate school.
- Receive professional résumé and statement of purpose critiques.
- Have your research published and presented at New Student Convocation and throughout the year at other events.

BE IMMERSED IN INSPIRATION

Just a few of our cutting-edge labs:

- Dynamical Systems Laboratory
- Information Systems and Internet Security (ISIS) Lab
- Brooklyn Experimental Media Center (BxmC)
- Protein Engineering and Molecular Design Lab
- Center of Innovation for Technology and Entertainment (CITE) Game Innovation Lab
- ➤ Daniella Patrick is helping astronauts get a grip.

 She's working with Professor Joo H. Kim to design a robotic hand that measures stiffness in their gloves—which inflate and hamper movement in space—testing them more realistically to restore range of motion.



YOU WILL:

CAUSE AN EFFECT

Brilliance knows no age limits at NYU-Poly. Unlike some universities, we welcome undergraduates in our laboratories. Add real research to your academic résumé in areas as diverse as chemical engineering, technology management and integrated digital media. Make a difference now as you prepare to enter your career, or move on to graduate study

MATHEMATICS

MECHANICAL AND AEROSPACE ENGINEERING

career, or move on to graduate study with unparalleled experience.

NEERING

DIVE INTO ANYTHING.

All students at NYU-Poly have the opportunity to do research in their field, or explore projects in related or interdisciplinary subjects.

YOU WILL:

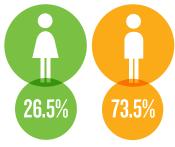
SHAPE THE WORLD

INTERNATIONAL STUDENT BODY

When we say that we're known around the world, we mean it. Over 4,400 students come to NYU-Poly from more than 60 different countries for an experience and education unmatched anywhere.

UNDERGRADUATE ENROLLMENT

1,729



GLOBAL NETWORK UNIVERSITY

Close your eyes and point anywhere on the map. Chances are, as an NYU-Poly student, you could study there. Our affiliation with NYU, a powerful Global Network University, means that you can choose from academic centers on five continents, summer and intersession programs and exchange partner universities.



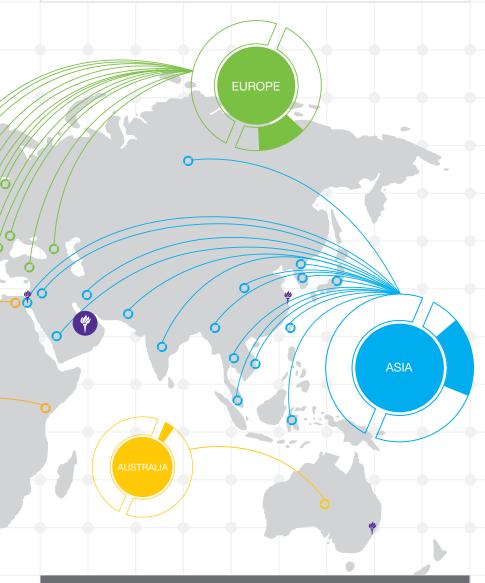
NYU GLOBAL ACADEMIC CENTERS

Accra, Ghana
Berlin, Germany
Buenos Aires, Argentina
Florence, Italy
London, England
Madrid, Spain

Paris, France
Prague, Czech Republic
Shanghai, China
Sydney, Australia (opening 2013)
Tel Aviv, Israel
Washington, DC, U.S. (opening 2012)

NYU PORTAL CAMPUSES

Abu Dhabi New York City Inspiration can be found everywhere. That's why we attract faculty and students from everywhere. You'll learn with classmates of all cultures and backgrounds, and learn from them, too.



44 COUNTRIES REPRESENTED IN UNDERGRADUATE ALONE

- Antigua & Barbuda
- Canada
- Dominican Republic
- Grenada
- Guatemala
- Jamaica
- Trinidad & Tobago
- United States
- Guyana
- Egypt
- Ghana
- Kenya Morocco

- China
- India
- Indonesia
- Iran
- Israel
- Japan
- Jordan
- Korea
- Malaysia
- Myanmar
- Pakistan
- Republic of Korea ■ Russian Federation

Saudi Arabia ■ Taiwan

■ Romania

■ Serbia

■ Turkey

Australia

■U.K.

- Thailand
- Vietnam
- Albania
- Austria
- Czech Republic
- France
- Georgia ■ Germany
- Hungary
- Lithuania
 - Netherlands

FAST FACTS

NOBEL PRIZE WINNERS

FOREIGN COUNTRIES REPRESENTED BY THE STUDENT BODY

OF GRADUATES ARE EMPLOYED UPON GRADUATION

RANKED AMONG ENGINEERING SCHOOLS IN THE U.S. FOR SALARY LEVELS BY PAYSCALE.COM



CONNECT CAREER GOALS TO POTENTIAL EMPLOYERS.

The Wasserman Center for Career Development at NYU will help match you to your ideal career. Available services include:

- A personal NYUeVita online portfolio to showcase your achievements
- Career fairs, seminars, workshops and planning courses
- Résumé services, including critiques and referrals
- Interview assistance
- Personal career guidance
- Job-search reference material

WORK IN NEW YORK CITY AND WORK FOR ANYONE.

Thousands of companies are headquartered here, and recruiting from NYU-Poly. Here are some of them:

Alliance Consulting Microsoft
AT&T Motorola

BAE Systems MTA
Barnes & Noble MTV

Bechtel Infrastructure NBA

Bovis Lend Lease Northrop Grumman

Colgate-Palmolive NY1 News
Computer Associates Oracle

Consolidated Edison Parsons Brinckerhoff

Department of Defense Pfizer, Inc.

Exxon Mobil Philips Labs

Gillette Pitney Bowes

Goldman Sachs Port Authority

Google Raytheon IBM SIAC

J.A. Jones Turner Construction

JPMorgan Chase UBS KeySpan UPS

Lockheed Martin U.S. National Security Agency

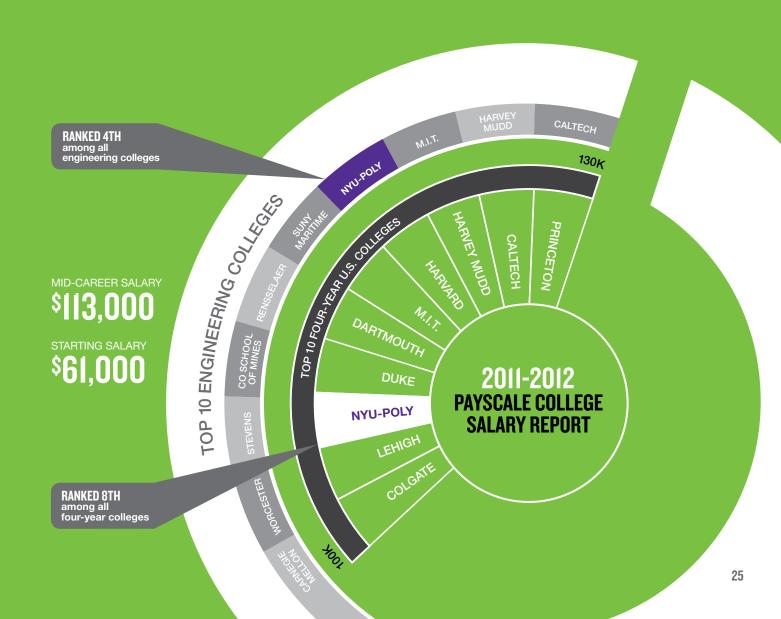
Lucent Technologies Verizon

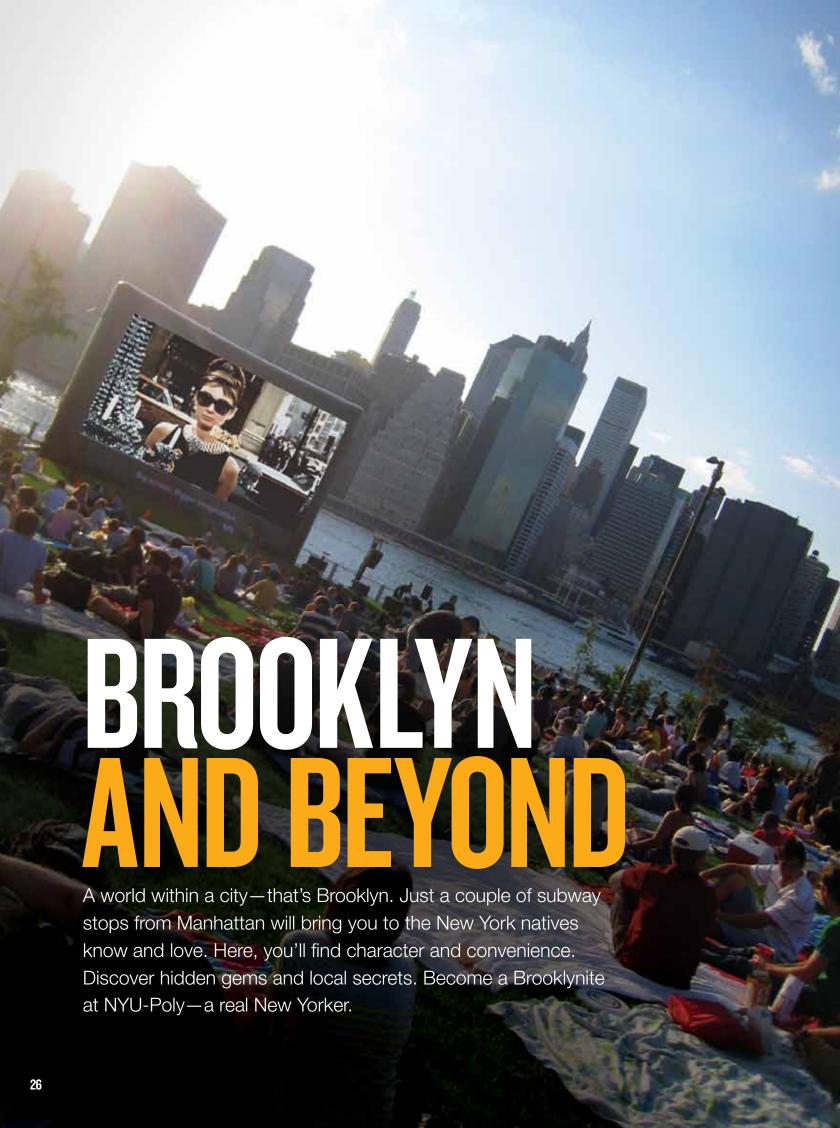
Merrill Lynch Yahoo

YOU WILL:

TAPINO YOUR EARNING POWER

Regardless of your industry or field, you'll find unlimited opportunities in New York City. Add to that the resources of the NYU Wasserman Center for Career Development and our extensive network of organizations and recruiters, and you'll find yourself living well doing what you love.





NYU-POLY RESIDENCES

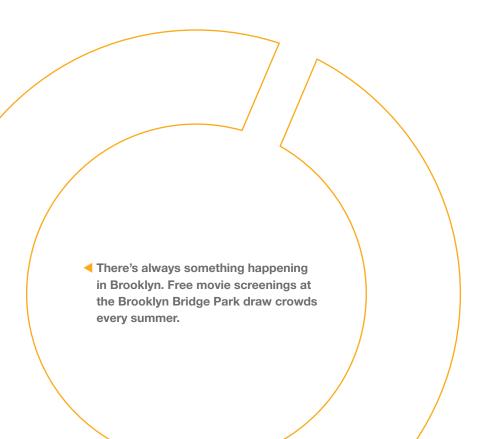
Life with all the amenities? You got it. Over 400 NYU-Poly students live in two-bedroom suites and apartments on our Brooklyn campus just steps away from their classes. Others live near MetroTech Center in dormitory housing, close to shopping and dining. You'll have high-speed Internet, wireless access, DirecTV®, utilities, meal plans, laundry machines and many other conveniences.

FOOD + FUN

Brooklyn is home to some amazing food. You'll find fine dining, casual bistros, funky food trucks and everything in between here. Every ethnicity is represented at its best, alongside Brooklyn exports like Nathan's Famous Hot Dogs, Peter Luger's steaks, Junior's cheesecake, and of course, the best bagels and pizza you've ever had.

SPORTS, CULTURE + MORE

Enjoy baseball season with the Brooklyn Cyclones. Welcome the New Jersey Nets as they become the Brooklyn Nets at their new stadium. Spend days discovering the art galleries of DUMBO and Williamsburg. Visit the 585-acre Prospect Park and Brooklyn Botanic Garden. Find live music almost everywhere. Do it all in Brooklyn.







CHI ZHENG

EE '13, China

For an international student, an American education at NYU-Poly offers the benefits of two prestigious names and experiential research. While Chi is working on logic encryption to protect against hardware attacks on computers, he's also immersed in a "supportive community that includes other students from my country, improving my English and building relationships."

RACHEL EFFENDY

Computer Science '13, Indonesia

Hands-on experience at school and incredible opportunities in the city made NYU-Poly the perfect fit for this student ambassador. "With such a large global network, the opportunities to work at the hottest companies in the world are here," Rachel says. This summer she realized her dream, traveling the world as an intern for Richemont, one of the largest brands of luxury goods today.

ARA MANGOYAN

CS/Math '13, Connecticut

Coming into college, Ara already knew what he wanted. "When I was in high school, I took classes at two colleges, where things were presented vastly differently. It's more real here, more applicable to life," he says. The faculty investment is another added benefit to NYU-Poly. "Professor Memon—who's a genius—encouraged me to apply for a scholarship that awarded me tuition and a stipend!"

NYU-Poly students are anything but average. Extraordinarily bright, they're inventors, innovators and entrepreneurs. They're here to make a difference, to create new technology, to improve the way we live or to start a business with a conscience. They come from 44 states and 60 countries, and bring with them their own ideas, inspirations and interests. And they leave with a trail of accomplishments that leads them

to incredible success.

TOP 10 COMPUTERWORLD "IT Schools to Watch" **FORBES** "Best Colleges For

Women In STEM"

FORBES "Colleges That Will

Make You Rich"

U.S. NEWS & **WORLD REPORT** "Campus Diversity"

A WELCOMING

At NYU-Poly, you'll be learning with a cross-section of the brightest minds in the world. Every walk of life can be found on our supportive campus.

THE FIGHTING BLUE JAYS

Call us well-rounded. As if it weren't enough to be one of the premier schools for engineering, technology, science and mathematics, we're also an NCAA Division III institution and Skyline Conference member with a proud tradition of scholar-athletes. As you'll find on our new athletics site, www.gonyupoly.com, The Fighting Blue Jays manifest as 18 competitive intercollegiate men's and women's teams, and as a variety of intramural and club sports. Plus, our Rogers Hall Gym and Jacobs Gymnasium Fitness Center are open to all students, with the latest workout equipment and aerobics and fitness classes.

MEN'S SPORTS

WOMEN'S SPORTS

Baseball Basketball Cross Country

Cross Country Golf
Golf Judo
Judo Soccer
Soccer Softball
Tennis Tennis
Volleyball Volleyball

WINNER'S CIRCLE

Skyline Conference Players of the Year:

Women's Volleyball

Meredith Shipman '11

Women's Basketball

Margaux Pickell '12

Women's Softball

Corine Fitzgibbons '13





OVERALL EXCELLENCE

NYU-Poly scholar-athletes shine both on and off the field. You'll find us consistently at the top of the list for All-Conference Players for academics, as well as Skyline Conference victories.

- Women's volleyball is a two-time defending champion.
- Women's softball is the 2010 season's champion.
- Men's tennis progressed to the championships this past year.
- Men's and women's soccer are Skyline semi-finalists.

FACILITIES

In addition to the recreational fitness facilities found at NYU-Poly, our students take pride in our well-appointed venues, such as:

- Jacobs Gymnasium, a recent addition which boasts a Skybox and seating for 400 spectators
- Fitness Center, conveniently located below the Jacobs Gymnasium
- Floyd Bennett Field, located on the grounds of Gateway National Park along the Atlantic Ocean shores
- Aviator Sports Complex, a state-of-the-art complex with two sprint turf fields and plenty of amenities
- USTA Tennis Center, a landmark facility
- St. Francis College Pool, which features open swim time for NYU-Poly students

Excelling in the classroom and on the field of play takes discipline and dedication, but the rewards are amazing.



APPLY NOW

Applying to NYU-Poly will be the easiest thing you do here. You can go online to www.poly.edu/apply to save your application as you go along; download to print it; or call the Office of Undergraduate Admissions for an application by mail.

FINANCIAL AID + SCHOLARSHIPS

Over 98 percent of NYU-Poly students receive financial aid. We offer merit-based scholarships, federal aid, work-study and loans to qualified undergraduates to help offset costs. Learn more about our financing and scholarship options at www.poly.edu/admissions.

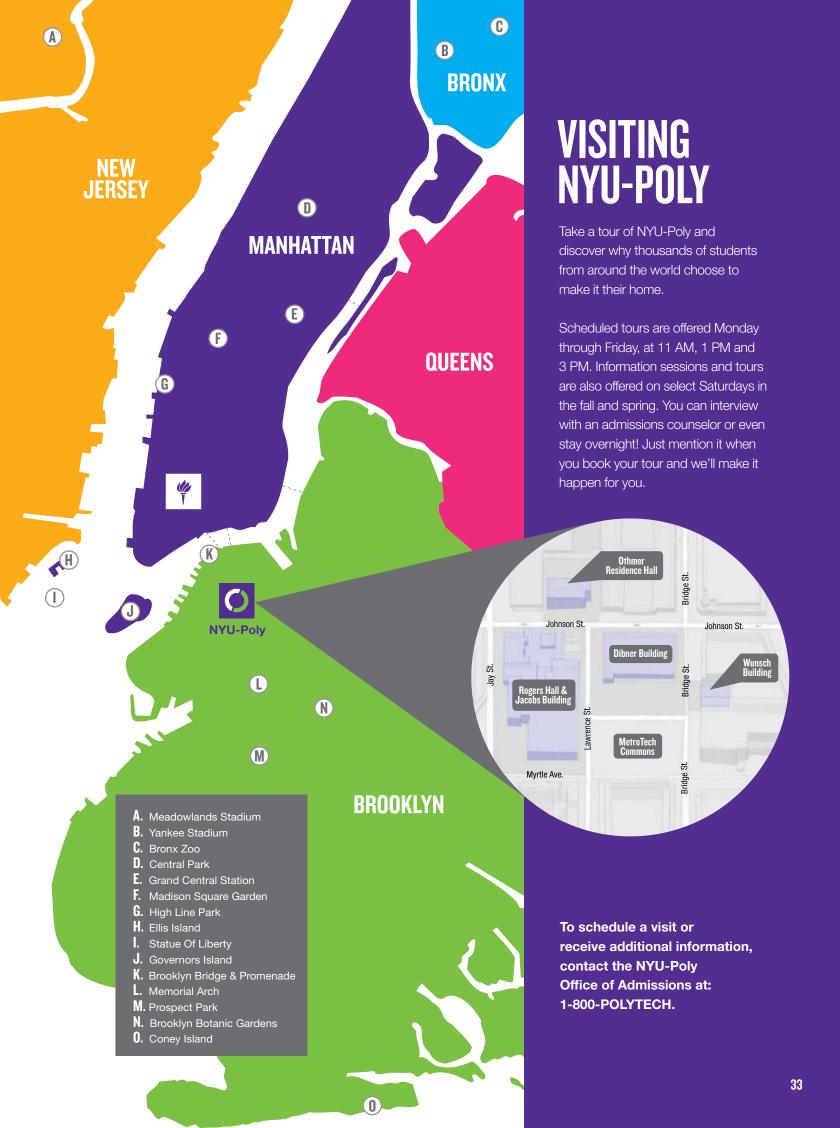
A COMPETITIVE ADVANTAGE

Put your ideas to the test at NYU-Poly. Challenges like our annual Time Warner Cable Inno/Vention Competition and the NYU Stern School's Business Plan Competition will give you a platform for recognition within the school and the community. Many winners have even gone on to launch their ideas as new products or start-up companies.

HONORS PROGRAM

Compete with the best of the best in the NYU-Poly Honors Program. Start with small, interdisciplinary seminars and build toward the senior Honors Thesis, a culmination of your independent research. All the while, take advantage of:

- Individual faculty mentors
- Special honors courses
- Student lounge and study area
- A strong peer-group community
- Opportunities for international study
- Significant scholarships
- Paid summer research positions





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Office of Undergraduate Admissions Tel: 1-800-POLYTECH uadmit@poly.edu www.poly.edu/admissions

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