



NYU-POLY

AGENDA

- **About NYU-Poly: History**
- **About NYU-Poly: Present-Day**
- **Academic Programs**
- **Cost of Study, Scholarships & Financial Aid**
- **Career Development & Placement Outcomes**
- **Key resources for Graduate Students**
- **Application Process**
- **Closing**



NYU-POLY: A HISTORY OF INNOVATION



NEW YORK UNIVERSITY

nyu·poly
POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY

Leading invention, innovation
and entrepreneurship

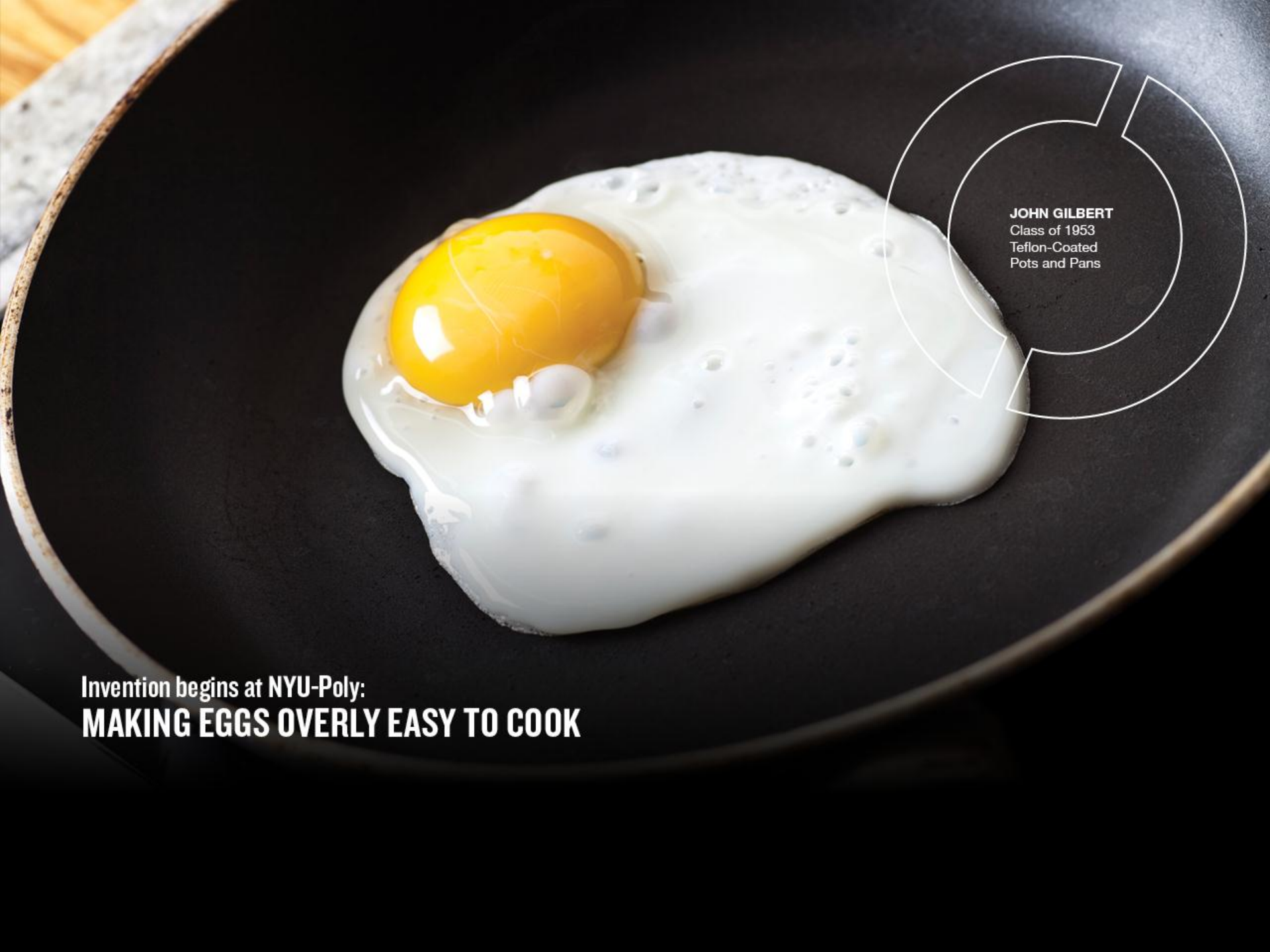




THOMAS JOSEPH KELLY
Class of 1958
Lunar Module



Innovation begins at NYU-Poly:
MAKING ONE GIANT LEAP FOR MANKIND

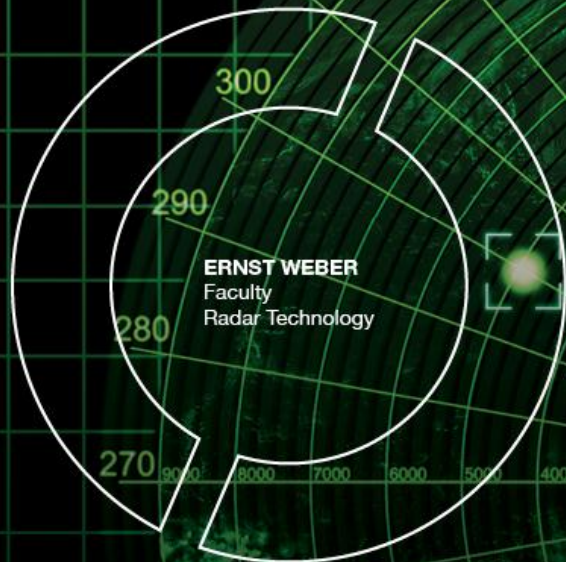


JOHN GILBERT
Class of 1953
Teflon-Coated
Pots and Pans

Invention begins at NYU-Poly:
MAKING EGGS OVERLY EASY TO COOK

AUTOTUNE
DISP 3
ANT 1 MAIN
32*13.424 M
84*27.299 M
31*29.053 M
71*12.059 M

RNG 3.12 MM
DRG 314.5 T
CSE 308.5 T BT
SPD 19.5 KT BT



Invention begins at NYU-Poly:
PUTTING RADAR ON THE RADAR



ERNST WEBER
Faculty
Microwave Technology

Invention begins at NYU-Poly:
MAKING WAVES IN THE KITCHEN



BAROUH V. BERKOVITS

Faculty
Class of 1956
Pacemaker and
DC Defibrillator

Invention begins at NYU-Poly:
KEEPING THE WORLD'S HEART BEATING




JASPER H. KANE
AND JOHN MCKEEN
Class of 1928
Class of 1926
Mass Production of Penicillin

Innovation begins at NYU-Poly:
WORKING MIRACLES TO PRODUCE THE MIRACLE DRUG



GORDON GOULD
Faculty
LASER

Innovation begins at NYU-Poly:
ENLIGHTENING THE WORLD BY UNLEASHING THE POWER OF LIGHT



CHARLES J. CAMARDA
AE, Class of 1974
NASA Astronaut

Innovation begins at NYU-Poly:
CREATING A NEW DIMENSION IN SPACE EXPLORATION

NYU-POLY: BROOKLYNNOVATION



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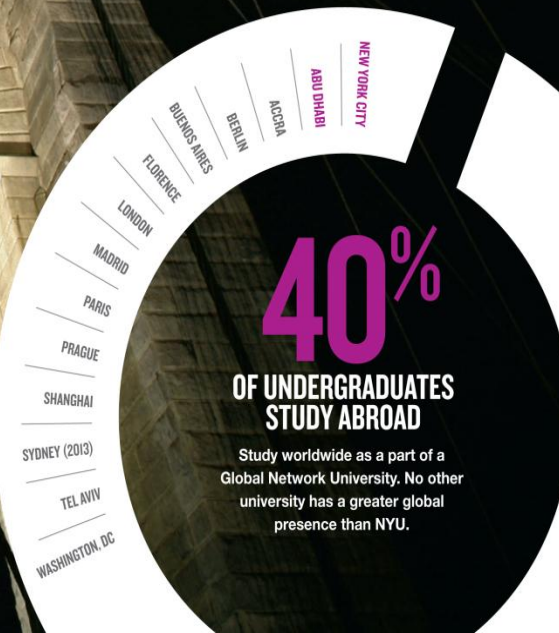
NYU-Poly, the second-oldest school dedicated to the study of engineering, science and technology in America, has merged to become an affiliate of New York University, the largest private learning institution in the country. What this powerful affiliation means for you is this: **access.** From the incredible facilities of NYU to the worldwide network of Poly alumni, virtually every resource is open to you.

- 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

ACCESS. TO EVERYTHING.

NYU + POLY

● NYU GLOBAL ACADEMIC CENTERS ● NYU + NYU-POLY PORTAL CAMPUSES



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 61 different countries for an experience and education unmatched anywhere.

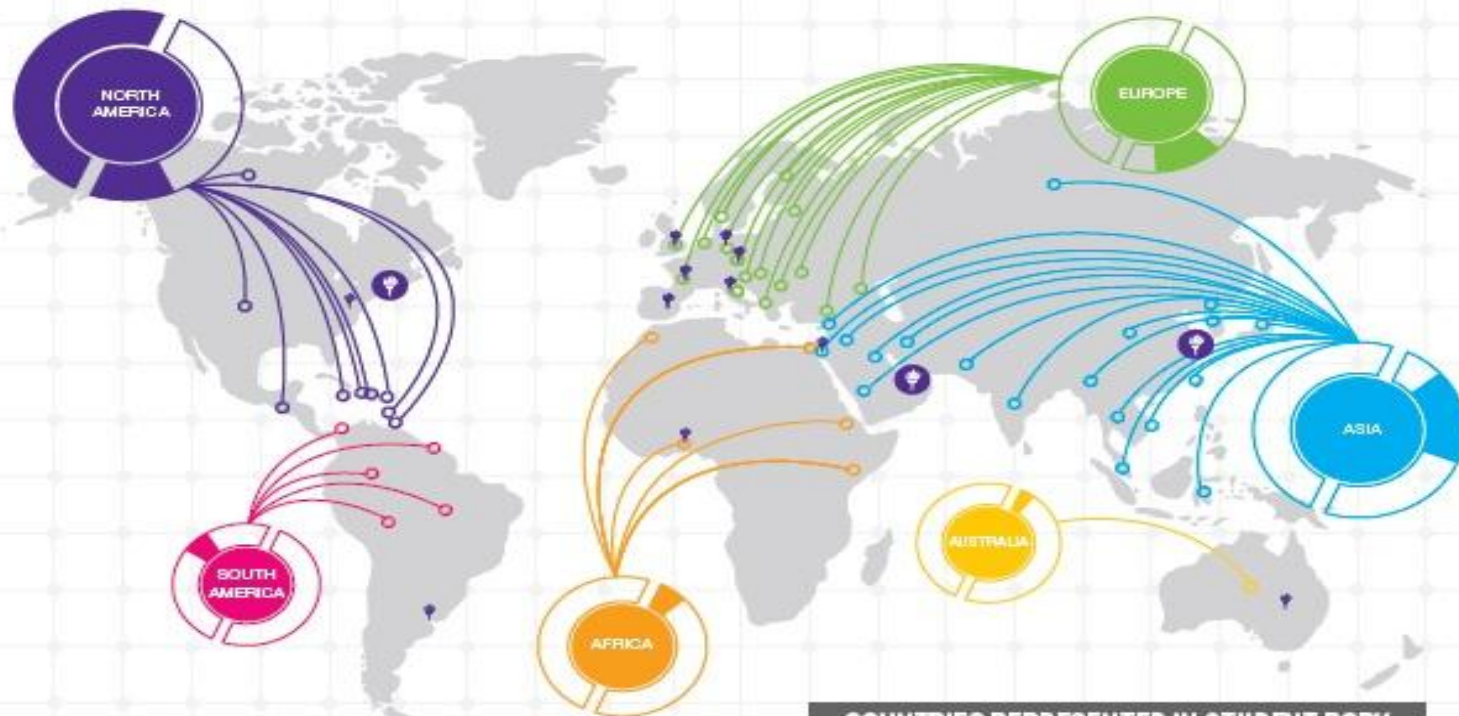
GRADUATE ENROLLMENT

2,581



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 intercession programs and exchange partner universities.



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.

NYU GLOBAL ACADEMIC CENTERS

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

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

NYU PORTAL CAMPUSES

Abu Dhabi
New York City

Shanghai, China

COUNTRIES REPRESENTED IN STUDENT BODY

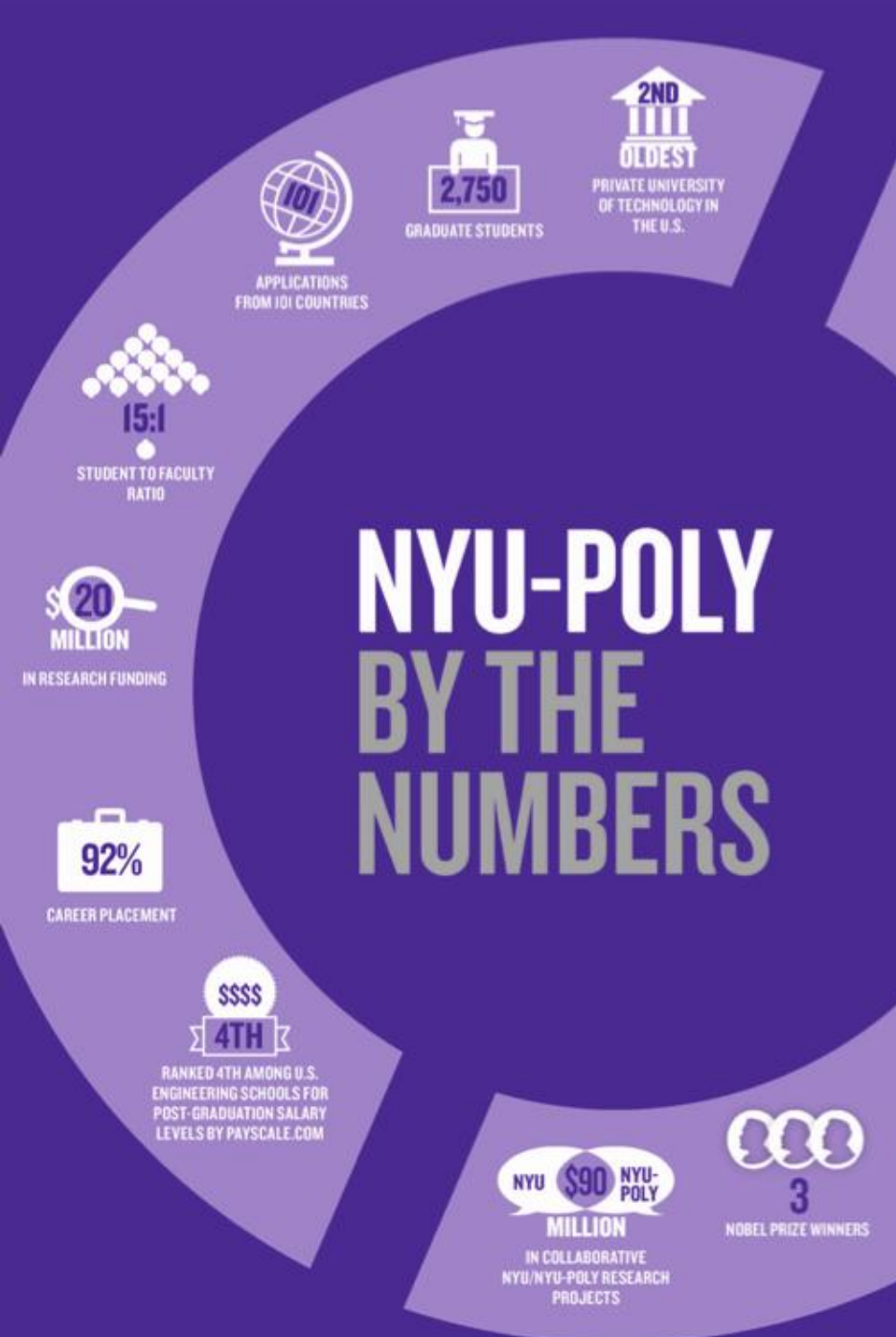
■ Antigua & Barbuda	■ Ethiopia	■ Malaysia	■ France
■ Canada	■ Ghana	■ Myanmar	■ Georgia
■ Dominican Republic	■ Kenya	■ Pakistan	■ Germany
■ Grenada	■ Morocco	■ Republic of Korea	■ Hungary
■ Guatemala	■ China	■ Russian Federation	■ Italy
■ Haiti	■ India	■ Saudi Arabia	■ Lithuania
■ Jamaica	■ Indonesia	■ Taiwan	■ Netherlands
■ Trinidad & Tobago	■ Iran	■ Thailand	■ Romania
■ United States	■ Israel	■ Vietnam	■ Serbia
■ Bolivia	■ Japan	■ Albania	■ Turkey
■ Brazil	■ Jordan	■ Austria	■ U.K.
■ Colombia	■ Korea	■ Czech Republic	■ Australia
■ Guyana	■ Kuwait	■ Denmark	
■ Egypt	■ Lebanon	■ Finland	

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32 & 57

US News & World Report
Rankings

10

Forbes: “Colleges That Will
Make You Rich”

7

Forbes: “Best Colleges For
Women In STEM”

5

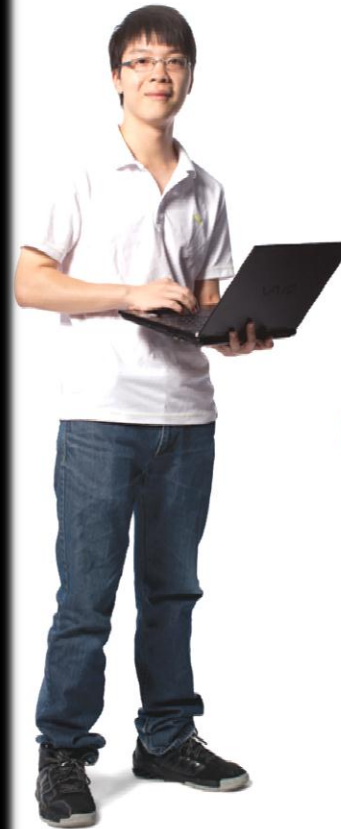
US News and World Report:
“Campus Ethnic Diversity”

4

Payscale.com: Top Engineering
Colleges 2012-2013

Student Profile

- **Total: 4,652**
 - **Undergraduate: 2,071**
 - **Average SAT of 1320**
 - **Graduate and Professional: 2,581**
 - **Average GRE 312 (161Q & 151V)**
- **Students from more than 60 countries**
- **Average class size: 35 students**
- **Student-to-faculty ratio: 15:1**
- **Minimum GPA required: 3.0**
- **Selectivity: 42%**



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

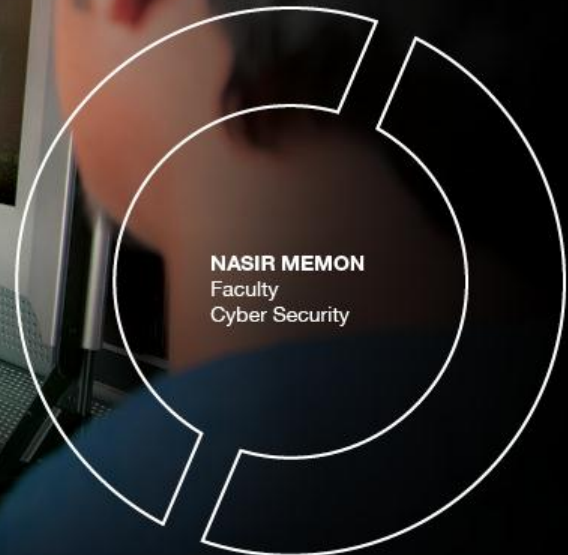
Coming into college, Ara already knew what he wanted. "When I was in high school, I took classes at two colleges, where things were presented vastly differently. It's more real here, more applicable to life," he says. The faculty investment is another added benefit to NYU-Poly. "Professor Memon—who's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





MAURIZIO PORFIRI
Faculty
Biomimetic Robot Fish

Innovation begins at NYU-Poly:
LEARNING ABOUT MARINE LIFE WITH ARTIFICIAL LIFE




NASIR MEMON
Faculty
Cyber Security

Innovation begins at NYU-Poly:
ENSURING SECURITY IN CYBER SPACE



R. LUKE DUBOIS
Faculty
Digital Media

Innovation begins at NYU-Poly:
STRIKING A HARMONY BETWEEN SOUND AND TECHNOLOGY


A portrait of Katherine Isbister, a woman with long brown hair and glasses, looking slightly to the right. To her left is a stylized, pixelated orange character with a yellow outline, set against a light blue background. To her right is a large white circular graphic with a stylized 'C' shape inside, set against a black background.

Innovation begins at NYU-Poly:

GIVING VIDEO GAME CHARACTERS MORE CHARACTER

KATHERINE ISBISTER

Faculty
Emotion and Gesture
in Games



NASSIM NICHOLAS TALEB

Faculty
Finance and
Risk Engineering

CHARLES TAPIERO

Faculty
Finance and
Risk Engineering

Innovation begins at NYU-Poly:
MAKING BUSINESS LESS RISKY

A man with glasses and a striped shirt sits in front of a large screen displaying a complex network diagram. The diagram features various social media and technology icons (WordPress, Google, Facebook, LinkedIn, Qik, etc.) connected by arrows, with some nodes labeled 'API' and '<e>'.

KEITH ROSS
Faculty
New Media

Entrepreneurship begins at NYU-Poly:
CREATING MODELS THAT TURN SOCIAL MEDIA INTO BIG BUSINESS



Innovation begins at NYU-Poly:
ROBOTS PLYING THE GOWANUS CANAL TO MEASURE PH LEVELS

ACADEMIC PROGRAMS



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Graduate Programs

Applied Physics

Applied Physics MS, PhD

Chemical and Biomolecular Engineering

Biomedical Engineering MS, PhD

Biotechnology MS

Biotechnology and Entrepreneurship MS

Chemistry MS

Chemical Engineering MS, PhD

Materials Chemistry PhD

Civil and Urban Engineering

Civil Engineering MS, PhD

Construction Management MS

Environmental Engineering MS

Transportation Management MS

Transportation Planning and Engineering MS, PhD

Urban Systems Engineering and Management MS

Computer Science and Engineering

Computer Science MS, PhD

Cybersecurity MS

Finance and Risk Engineering

Financial Engineering MS

Electrical and Computer Engineering

Computer Engineering MS

Electrical Engineering MS, PhD

System Engineering MS

Mathematics

Mathematics MS, PhD

Mechanical and Aerospace Engineering

Mechanical Engineering MS, PhD

Technology Management and Innovation

Management MS

Management of Technology MS

Organizational Behavior MS

Technology Management PhD

Industrial Engineering MS

Manufacturing Engineering MS

Technology, Culture and Society

Integrated Digital Media MS

Interdisciplinary Degrees

Bioinformatics MS

FUNDING & FELLOWSHIPS



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Estimated Cost of Attendance

- **Tuition = \$ 1,363 per credit***
 - A 30 MS program tuition = \$40,890*
 - Executive Program: \$13,650/semester flat tuition fee
- **Other Important Costs:**
 - University Fees = vary by credit load
 - Health Insurance = \$375 per semester
 - Cost of living = variable

*Pending NYU and NYU-Poly Board Approvals.



Funding Opportunities (Innovation Fellowships)

**BUDGET
\$16M+**

- If awarded, scholarships range from \$3,000 to 100% funding
 - GRE & GPA driven

Funding Opportunities (Fellowships & Assistantships)

BUDGET
\$8M+

- **Teaching & Research Assistantships**
 - **Graduate Assistantships**



Funding Opportunities (Educational Partners)

**BUDGET
\$1M**

- **Corporate Discounts**
 - **10% - 25%**

Funding Opportunities (Other)

- Competitions (Inno/Vention, CSAW, others)
- Projects-based funding
- Savings / gift contributions
- Employer assistance
- Payment plans
- Private (3rd-Party) Scholarships
- Deferred Payment Plans
- Tax credits
- Loans

CAREER MANAGEMENT



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The Wasserman Center for Career Development

- **One-on-one career advising**
 - **Career Exploration**
 - **Resume and Cover Letter Review**
 - **Job Search Strategy Development**
- **Career-related events**
 - **Resume, Cover Letter, and Job Search Seminars**
 - **Career Fairs**
 - **Practice Interviews**
 - **Job Skills Training**
- **Recruitment and job listings (CareerNet)**



Skill-based Program for Incubator Knowledge and Employment (SPIKE)

- **Designed for entrepreneurial students**
- **Explore how a start up works**
- **Be tested under real-world problems and challenge your skills and abilities as an entrepreneur**
- **Positions include front-End Developer, UX/UI Developer, Mobile Developer, Marketing Intern, Biz Dev Intern, Social Media Intern, Renewable Energy Product Development Intern, and more**

Google

IBM

HSBC

citi

SIEMENS

CREDIT SUISSE

SAIC
From Science to Solutions

CISCO

intel

verizon business

NYSE Euronext

ups

QUALCOMM

SanDisk
microSDHC

U.S. AIR FORCE



US Army Corps
of Engineers

Goldman
Sachs



MOTOROLA

MTA

NORTHROP GRUMMAN

conEdison



at&t

InterDigital

The New York Times
Expect the World

BAE SYSTEMS

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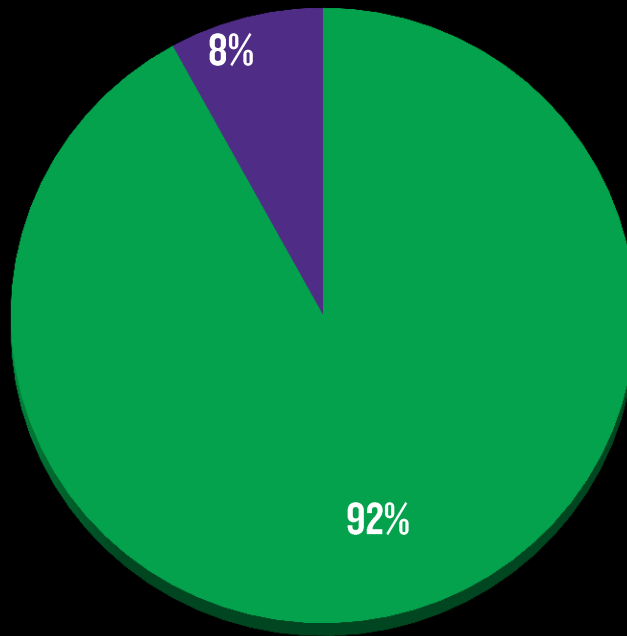
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Graduate Placement Rates (domestic + international students)



Average Salary: \$65,550

■ Found a job ■ Still looking for a job

STUDENT **RESOURCES**



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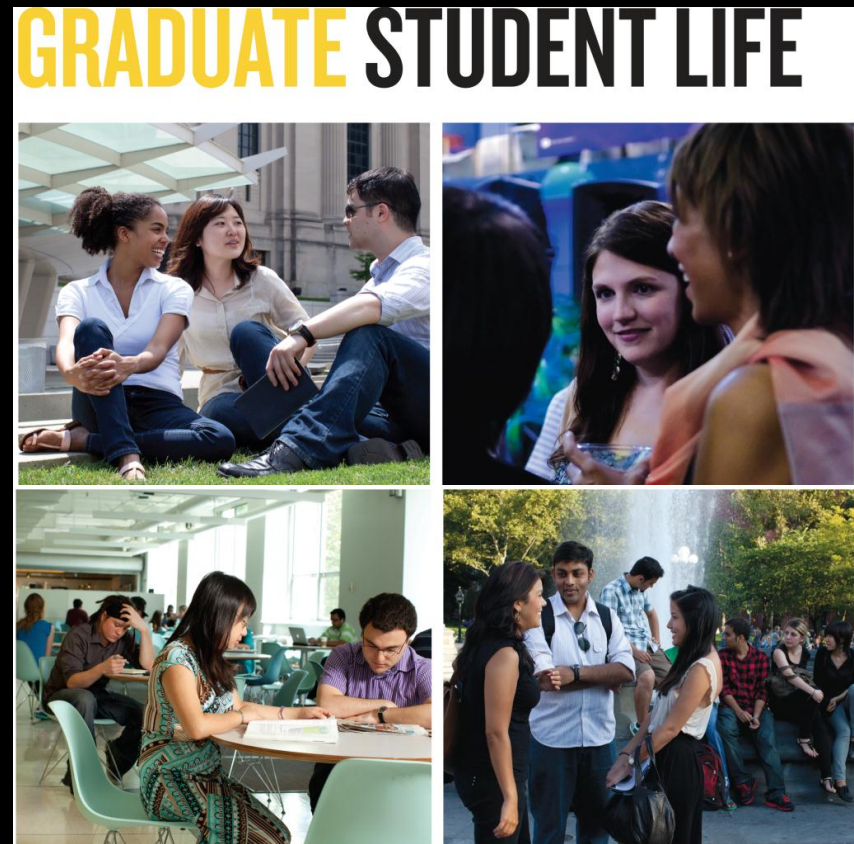
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Key Grad Student Resources

- **Graduate Student Life**
 - Peers and Student Clubs
 - Student Activities
 - Career Management
 - Business Incubators
 - Alumni Network
- **Academic Resources**
 - Library Network
 - Online Learning, Int'l Learning
 - Tutoring Centers



Housing

Where do graduate students live?

- **“On-campus” – Clark Street Residence**
 - 55 Clark Street, a <10-min walk
 - Lease by the semester
 - Live with other students
 - Amenities for students
- **“Off-campus” – area apartments**
 - Live with roommates
 - Save money
 - Live off of nearby train routes (especially 2,3,4,5,A,C,F,R)
 - Most common: Brooklyn, Queens, New Jersey
 - Resources: NYU Approved Landlords List, Craigslist-NYC, Padmapper, Streeteasy ...



ADMISSIONS REQUIREMENTS

Application Deadlines



Spring 2014:

- **November 1**
(international, full-time domestic, and all PhD applicants)

Fall 2014:

- **March 1**

Admissions Requirements



I. Application

- Online
- Fee: \$75 (Waived for info session attendees who fill out a card!)

Admissions Requirements



2. Transcripts

- From all previously attended institutions

3. Standardized Exams

- GRE (MOT will also accept GMAT)
- TOEFL / IELTS (international applicants only)

Admissions Requirements

4. Experience

- Resume or C.V.

5. Personal Statement

- One to two pages



Admissions Requirements



6. Letters of Recommendation

- Two letters (choose wisely)

7. Supporting Materials & Information

- Certificate of Finance (international applicants)
- Academic Papers (projects or research)
- Interview (required for PhD or by request)



NYU-POLY

Graduate Enrollment Management & Admissions

grad.poly.edu/china2013

gradinfo@poly.edu