



# COLLEGE ADMISSIONS COLLABORATIVE HIGHLIGHTING ENGINEERING AND TECHNOLOGY



*CACHET*



# BOSTON UNIVERSITY

BOSTON  
UNIVERSITY

- **Urban teaching and research university** in the heart of Boston – a hub for leading engineering, biomedical, and health-related organizations
- Member of the prestigious **Association of American Universities (AAU)**
- Named 1 of 53 “**International Powerhouse Universities**” for strength of its medical and health-related research



**\$400 MILLION**  
**IN RESEARCH FUNDING**  
**AWARDED ANNUALLY**



**#39**  
**RANK AMONG GLOBAL**  
**UNIVERSITIES**  
*U.S. NEWS & WORLD REPORT*



**10**  
**UNDERGRADUATE**  
**SCHOOLS AND COLLEGES**



*Boston University*



# VAST OPPORTUNITIES IN STEM FIELDS

BOSTON  
UNIVERSITY

- The College of Arts & Sciences
- College of Engineering
- College of Health & Rehabilitation Sciences: Sargent College



**#6**  
**WHERE BU GRADUATES  
RANK IN THE WORLD FOR  
EMPLOYABILITY**  
*TIMES HIGHER EDUCATION*



**41**  
**STEM MAJORS**

**\$20  
MILLION**  
**INVESTMENT IN  
INNOVATE@BU**



**CUTTING-EDGE RESEARCH  
FACILITIES, SUCH AS THE  
NEW KILACHAND CENTER  
FOR INTEGRATED LIFE  
SCIENCES & ENGINEERING**

**\$1 MILLION**  
**IN ANNUAL FUNDING FOR THE  
UNDERGRADUATE RESEARCH  
OPPORTUNITIES PROGRAM (UROP)**

**2,326  
LABORATORIES**



*Boston University*



- Educating “Societal Engineers,” students dedicated to using their professional skills to improve society’s quality of life.
- **250+ paid student research positions** alongside impressive faculty
- **Ranked #8 in mid-career salary for graduates** (*Payscale*)
- **Dedicated study abroad programs** in Germany, France, Spain, Australia

## MAJORS

- Biomedical Engineering
- Computer Engineering
- Electrical Engineering
- Mechanical Engineering

## CONCENTRATIONS

- Aerospace
- Energy Technologies
- Manufacturing Engineering
- Materials Science & Engineering
- Nanotechnology
- Photonics
- Systems Engineering
- Technology Innovation



ENG students working in the Engineering Product Innovation Center (EPIC)



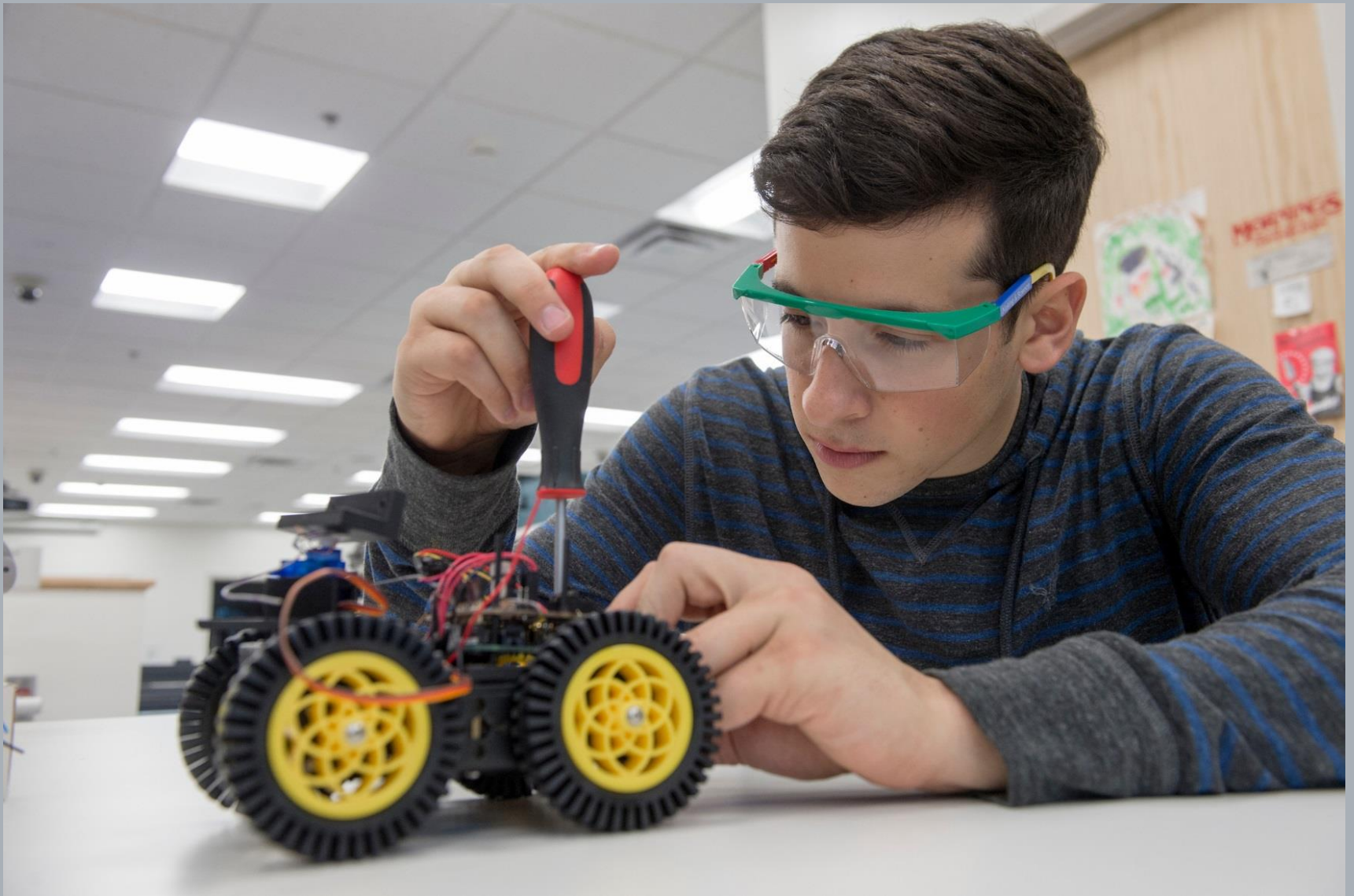
*Bucknell University*





*Bucknell University*





*Bucknell University*

# Undergraduate Research



More than 60% of first year students participate in our signature Summer Undergraduate Research Fellowships (SURF) program. They benefit from having a faculty mentor for the summer term and a \$8,350 stipend award.

**Caltech**

*California Institute of Technology*

# Academic Perspectives

## The Core Curriculum: An interdisciplinary foundation for your undergraduate career

Discipline	Terms
Biology	1
Chemistry	2
Humanities & Social Sciences	12
Introductory Lab	2

Discipline	Terms
Mathematics	3
Physical Education	3
Physics	3
Science Communication	1

Also required: Freshman "Menu" Course (*Astronomy, Geology, Environmental Science and Engineering, Information and Logic, or Energy Science*)

Students choose Caltech because they benefit from a 3:1 student-to-faculty ratio and an interdisciplinary core curriculum.

**Caltech**

*California Institute of Technology*



# The Residential Experience



Students choose from among 8 residential communities, 18 NCAA Varsity sports, and more than 100 clubs and organizations. Your residential community becomes your hub for your academic and your social lives.

**Caltech**

*California Institute of Technology*

# The Value of A Caltech Education

**We are committed to making a Caltech education accessible to all admitted students.**

- Need blind admissions process for all U.S. Citizens and permanent residents.
- Need sensitive admissions process for international citizens.
- We meet **100% of the demonstrated need** of all admitted students.



caltech.edu

**Caltech**

*California Institute of Technology*





*Carnegie Mellon University*





*Carnegie Mellon University*





*Carnegie Mellon University*





# think[box]

The largest open-access makerspace of any college in the U.S., our think[box] is seven floors of innovation inspiration—from art and design to finance and legal services to design prototyping and manufacturing. And it's open to everyone.



*Case Western Reserve University*



# Health Education Campus

Case Western Reserve University and Cleveland Clinic are building the future of health care with a 485,000-square-foot campus opening this spring. Students from our medical, nursing and dental schools will learn together in a state-of-the-art space full of cutting-edge technologies and collaborative space.




*Rendering courtesy of Foster + Partners*



*Case Western Reserve University*



# HoloLens



Case Western Reserve was the first university in the world to work with Microsoft HoloLens before the technology was released to the public. Our initial and ongoing project involves creating a full anatomy curriculum viewed entirely through its mixed-reality platform; other projects have included offering access to some of Europe's most precious art and making holograms part of a contemporary dance performance.



*Case Western Reserve University*





# Academic Programs

MASTERS	AS*	PHD	MAJOR	Programs
●	●			Advanced Manufacturing
	●			Aerospace Studies (Air Force ROTC)
				Applied Mathematics & Statistics
●	●	●		Computational & Applied Math Emphasis
●	●	●		Statistics Emphasis
●				Applied Physics
	●			Biochemistry
	●			Biology
	●			Biomechanical Engineering
	●			Biomedical Engineering
	●			Biophysics
	●			Business & Entrepreneurship
		●		Chemical Engineering
		●		Biological Engineering Track
		●		Process Engineering Track
●	●	●		Chemistry
		●		Biochemistry Track
		●		Environmental Chemistry Track
	●	●		Civil Engineering
●				Civil & Environmental Engineering

MASTERS	AS*	PHD	MAJOR	Programs
		●		Engineering Physics
	●			Entrepreneurship
	●			Environment & Sustainability Studies
	●			Environmental Chemistry
●	●	●		Environmental Engineering
	●			Explosive Engineering
	●			Explosive Processing of Materials
●				Geochemistry
	●	●		Geological Engineering
●		●		Environmental, Engineering Geology & Geotechnics & Groundwater Engineering Emphasis
●		●		Minerals & Petroleum Exploration Engineering Emphasis
●				Geology
●	●	●		Geophysical Engineering
●				Geophysics
	●			Global Politics & Society
●				Hydrology
	●			Leadership in Social Responsibility
●				Materials Science
	●	●		Mathematical Sciences

MASTERS	AS*	PHD	MAJOR	Programs
●	●	●		Computer Science
		●		Business Specialty
	●	●		Computer Engineering Specialty
	●	●		Data Science Specialty
		●		Research Honors Specialty
	●	●		Robotics & Intelligent Systems Specialty
	●			Culture, Creativity & Communication
	●			Digital Systems
	●	●		Economics
●	●	●		Electrical Engineering
		●		Antennas & Wireless Communications Emphasis
	●	●		Energy Systems & Power Electronics Emphasis
	●	●		Information & Systems Sciences Emphasis
		●		Integrated Circuits & Electronics Emphasis
	●	●		Energy
●				Engineering & Technology Management
				Engineering
		●		Community Development Specialty
		●		Corporate Sustainability Specialty
		●		Energy Studies Specialty
		●		Individualized Specialty
		●		Music, Audio Engineering & Recording Arts Specialty
		●		Robotics & Automation Specialty
		●		Water Security Specialty
	●			Engineering for Community Development

MASTERS	AS*	PHD	MAJOR	Programs
	●			McBride Honors in Public Affairs
●	●	●		Mechanical Engineering
●	●	●		Metallurgical & Materials Engineering
	●			Midstream Engineering
	●			Military Science (Army ROTC)
●				Mineral & Energy Economics
●				Mineral Exploration
●				Mining & Earth Systems Engineering
	●	●		Mining Engineering
●				Mining Engineering & Management
	●			Music, Audio Engineering & Recording Arts
	●			Music Technology
●				Natural Resources & Energy Policy
●				Nuclear Engineering
	●			Operations Research
	●			Petroleum Data Analytics
●	●	●		Petroleum Engineering
	●	●		Physics
	●			Polymer Chemistry
●				Quantitative Biosciences & Engineering
	●			Space & Planetary Science & Engineering
●				Space Resources
●	●	●		Structural Engineering
●	●	●		Underground Construction & Tunneling
	●			Water Sustainability



# Admissions & Financial Aid

## Rolling Admissions

November 1: Priority Deadline

## Application Requirements

- Online Application
- Official High School Transcript
- Official or Self-Reported ACT/SAT Score

## Fall 2018 GPA/Test Scores

(middle 50%)

ACT Composite: 29-33

SAT Composite: 1330-1480

Unweighted GPA: 3.75-4.00

2018-19

## Cost to attend Mines



Colorado



Out-of-state

Tuition	\$16,650	\$36,270
Room & Board	\$13,169	\$13,169
Fees	\$2,314	\$2,314
Books & Supplies	\$1,500	\$1,500
Personal Expenses	\$1,870	\$1,870
Total Cost	<b>\$35,503</b>	<b>\$55,123</b>

## Merit Scholarships

- No additional application required
- Submit new transcripts or test scores until March 1

**\$2,500-\$5,000/year:** CO resident scholarships\*

**\$9,000-\$14,000/year:** Non-CO resident scholarships\*



COLORADO SCHOOL OF MINES  
EARTH • ENERGY • ENVIRONMENT

*Colorado School of Mines*



*Columbia University*



# Columbia College and Columbia Engineering

- 6,000 students: 4,500 Columbia College; 1,500 Columbia Engineering
- ~100 programs of study, from Astronomy to Materials Science
- Over 50% of undergraduates major in science or engineering
- 17 areas of study in engineering and applied sciences
- 22 majors in all branches of the biological, natural and physical sciences
- 6:1 student to faculty ratio; in the physical sciences, 3:1
- Over 20 faculty members in the National Academy of Engineering
- Over 200 research institutes, centers and world-class laboratories
- \$1 billion in annual research expenditures
- 600 different patents, generating \$1.75 billion in gross revenue



*Columbia University*



*Columbia University*





**THE COOPER UNION | NYC**

ARCHITECTURE | ART | ENGINEERING



*The Cooper Union*





*The Cooper Union*





*The Cooper Union*



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## ANY STUDY...

Departments & Schools

### 14 Undergraduate Majors

- Biological Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Science
- Electrical & Computer Engineering
- Engineering Physics
- Environmental Engineering
- Information Science, Systems, & Technology
- Materials Science & Engineering
- Mechanical Engineering
- Operations Research & Information Engineering
- Science of Earth Systems
- Independent Major

*Cornell University*



# ***Dartmouth College, Thayer School of Engineering***



THAYER SCHOOL OF **ENGINEERING** AT DARTMOUTH

*Dartmouth College*

# engineering at Dartmouth: one of the nations' oldest programs

1867: Founded – this our 150<sup>th</sup> Anniversary year  
Established as a “Professional School” *liberal arts* education first



Thayer

## **DISTINCTLY DIFFERENT** – *no engineering departments*

Founded as a school of civil engineering; EE, ME later added  
Transformation in 1958 to an AB plus BS (BE) program

- Dartmouth unique: full exposure to liberal arts
- Earn two degrees: AB and BE, 4 or 5 years
- Emphasis on team-based design and innovation from start



Fletcher



Classes of '94 and '95

## **Points of Distinction**

*No entry barriers.* Try a design course! Declare major as sophomore

*No departments.* Interdisciplinary with *concentrations*

**ONLY** one *requiring* AB prior to BE: “Liberal Engineering”



Cummings Hall, 1940s



THAYER SCHOOL OF **ENGINEERING** AT DARTMOUTH

*Dartmouth College*



## *Dartmouth College, Thayer School of Engineering*

- unique integration of ENGINEERING + LIBERAL ARTS:
  - “**LIBERAL ENGINEERING**” – only one to require AB before BE
  - how can you harness technology to address the world’s problems – if you don’t first understand the world?
- one of **LARGEST MAJORS ON CAMPUS**
- **EXPERIENTIAL LEARNING**: model of INTERDISCIPLINARY PROJECT BASED **DESIGN** – open to **ALL** (ie, not just engineers!)
- diverse students, national leader in reaching **GENDER PARITY**
- focus on **ENTREPRENEURSHIP** (1/3 faculty); recognized by NAE in 2014 with largest educational prize in the country for INNOVATION IN ENGINEERING EDUCATION



THAYER SCHOOL OF **ENGINEERING** AT DARTMOUTH

*Dartmouth College*

# Drexel University

A comprehensive research university and experiential learning leader in Philadelphia, Pennsylvania.



**24,000+**

Students

**15,000+**

Full-Time Undergraduates

**11:1**

Student to Faculty Ratio

**19**

Median Class Size

*Drexel University*



# PHILADELPHIA

Sixth largest city in the United States



**350+** Student Organizations

**14** Colleges & Schools

**200+** Degree Programs

**3** Philadelphia Campuses

*Drexel University*

**Drexel's cooperative education program is one of the largest of its kind**

**Explore a potential career while enhancing the classroom dynamic**



**1,624** Domestic and  
International  
Co-op Employers

**98.2%**  
Co-op Employment

Co-ops in  
**30** **47**  
States Countries

*Drexel University*





*Florida Institute of Technology*





*Florida Institute of Technology*





*Florida Institute of Technology*



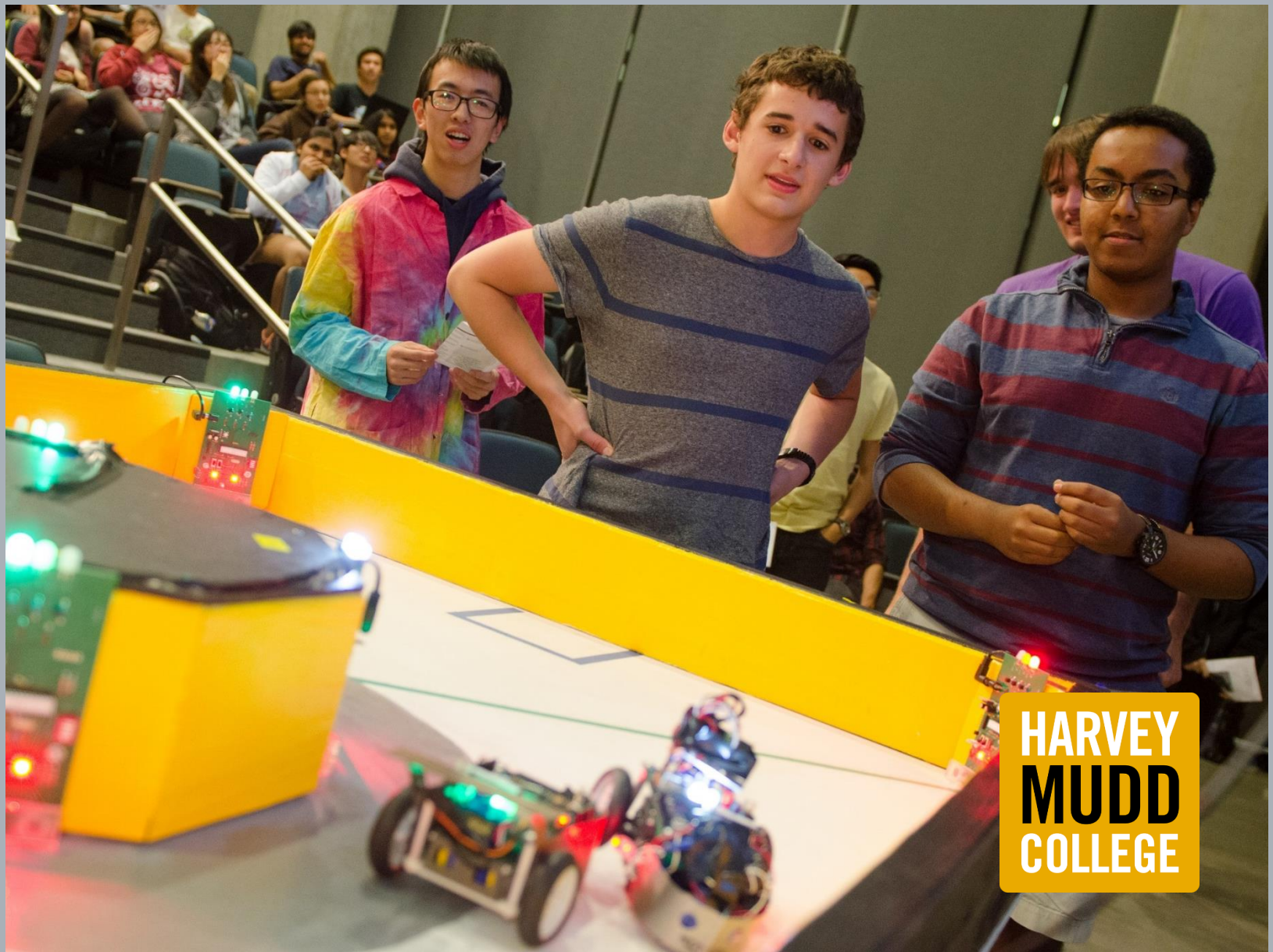


*Harvey Mudd College*





*Harvey Mudd College*



*Harvey Mudd College*



# ILLINOIS TECH

Chicago's Innovation University



Alumnus Martin Cooper  
Invented the  
Cell Phone



More than 98%  
of our students  
receive some form  
of financial aid.



86% of classes have  
fewer than 40 students



Division III

17 Varsity Athletics  
Programs

*Illinois Institute of Technology*



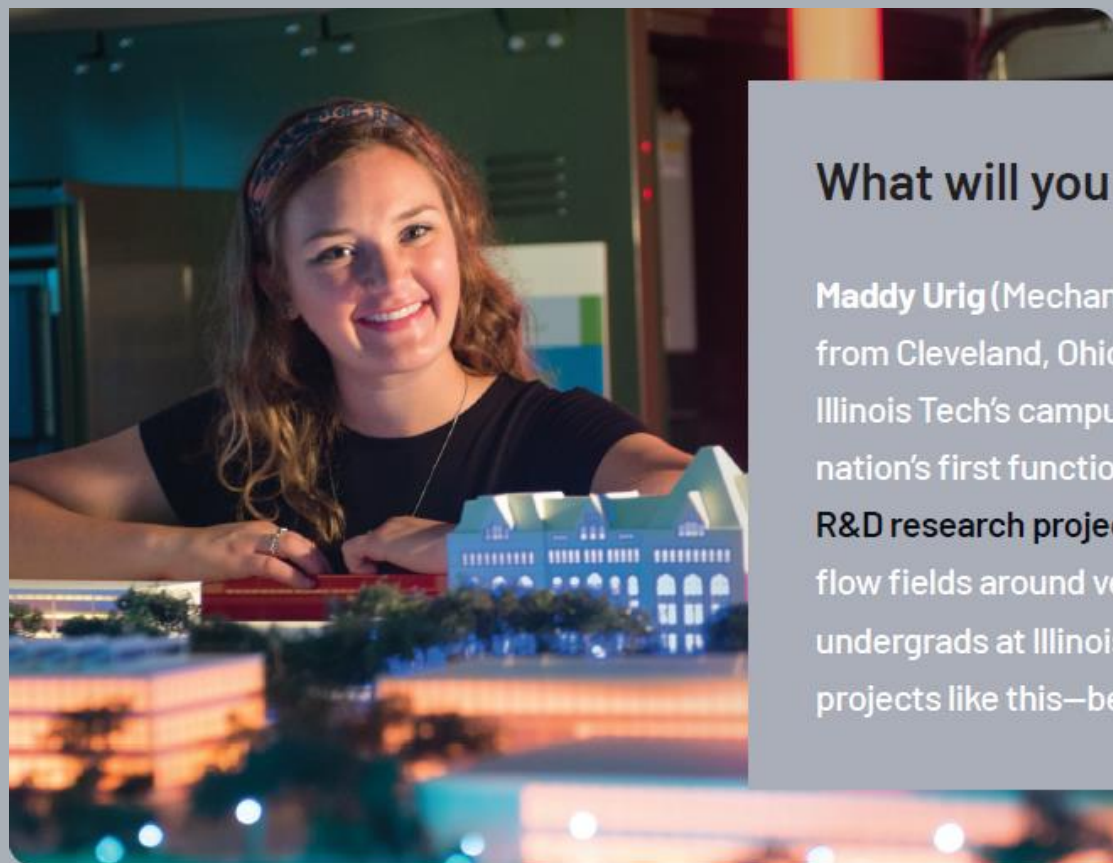
**NEW Kaplan Institute**—Opens Fall 2018

**Special programming for:**

- Creativity
- Innovation
- IPRO Program
- Idea Shop

*Illinois Institute of Technology*





## What will you do at **Illinois Tech**?

**Maddy Urig** (Mechanical Engineering 3rd Year), from Cleveland, Ohio, checks out a scale model of Illinois Tech's campus—all of which makes up the nation's first functional microgrid. Her **Armour R&D research project** focused on manipulating flow fields around vertical-axis wind turbines. All undergrads at Illinois Tech have access to research projects like this—beginning in their very first year.

# ILLINOIS TECH



**admissions.iit.edu**

*Illinois Institute of Technology*

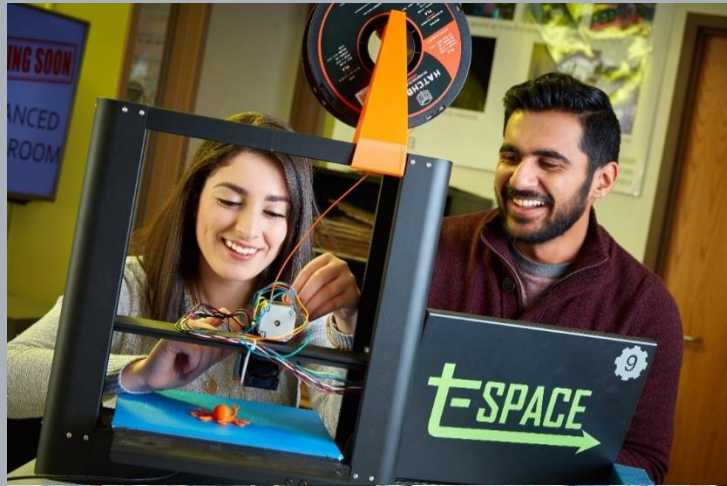
# Kettering

UNIVERSITY



*Kettering University*





*Kettering University*

# Kettering

UNIVERSITY

- › 2,300 students total
- › STEM and Business Focus
- › 13 Undergraduate Majors
- › 12 Graduate Programs
- › 14:1 student/faculty ratio
- › Average class size is 20 students
- › Fixed-rate Tuition Guarantee
- › Our Co-op Program:
  - › Is required
  - › Is paid
  - › Starts in the first year
  - › Includes 500+ employer partners
  - › Students graduate with 2.5 years of professional experience
- › 98% graduates employed/in graduate school within 6 months

*Kettering University*





# LAFAYETTE COLLEGE

One of the Best  
Undergraduate  
Engineering Programs by  
U.S. News  
and World Report



**900** Students  
in the  
Engineering Division



**38%** Female  
in Engineering Division



**9th** among colleges in  
the U.S. employing women in  
engineering tenure-track positions

*Lafayette College*



A photograph of two men in a laboratory or workshop setting. The man on the left is wearing a light blue button-down shirt and a patterned tie, smiling at the camera while working on a small electronic device. The man on the right is wearing a black polo shirt with a logo, also smiling. They are surrounded by shelves filled with various electronic components and equipment. A computer monitor is visible on the left.

LAFAYETTE  
COLLEGE

**6th** for placing graduates in CEO  
through director positions in companies  
with more than \$1 million in revenue.

**20% to 25%**  
of graduates seek advanced  
degrees at top schools

**97%** of Lafayette  
engineering graduates are employed,  
continuing their education,  
in internships, or in volunteer work  
six months after graduation

*Lafayette College*



Since 1866, Lafayette has “set the goal of educating not just the engineer, but the whole person, who is able to meet the challenges of a world in which, scientific, technological, and human needs have steadily become more complex.”



150 YEARS  
LAFAYETTE ENGINEERING

*Lafayette College*

A photograph of a modern, multi-story building at dusk. The building features large glass windows and a dark, metallic facade. The interior lights are on, and the building is surrounded by trees and a grassy area. The sky is a mix of blue and orange from the setting or rising sun. The text "Lawrence Technological University" is overlaid in the top right corner.

Lawrence Technological University

Possible is  
everything.

ARCHITECTURE AND DESIGN

ARTS AND SCIENCES

BUSINESS AND INFORMATION TECHNOLOGY

ENGINEERING

*Lawrence Technological University*





*Lawrence Technological University*



*Lawrence Technological University*





*Lehigh University*

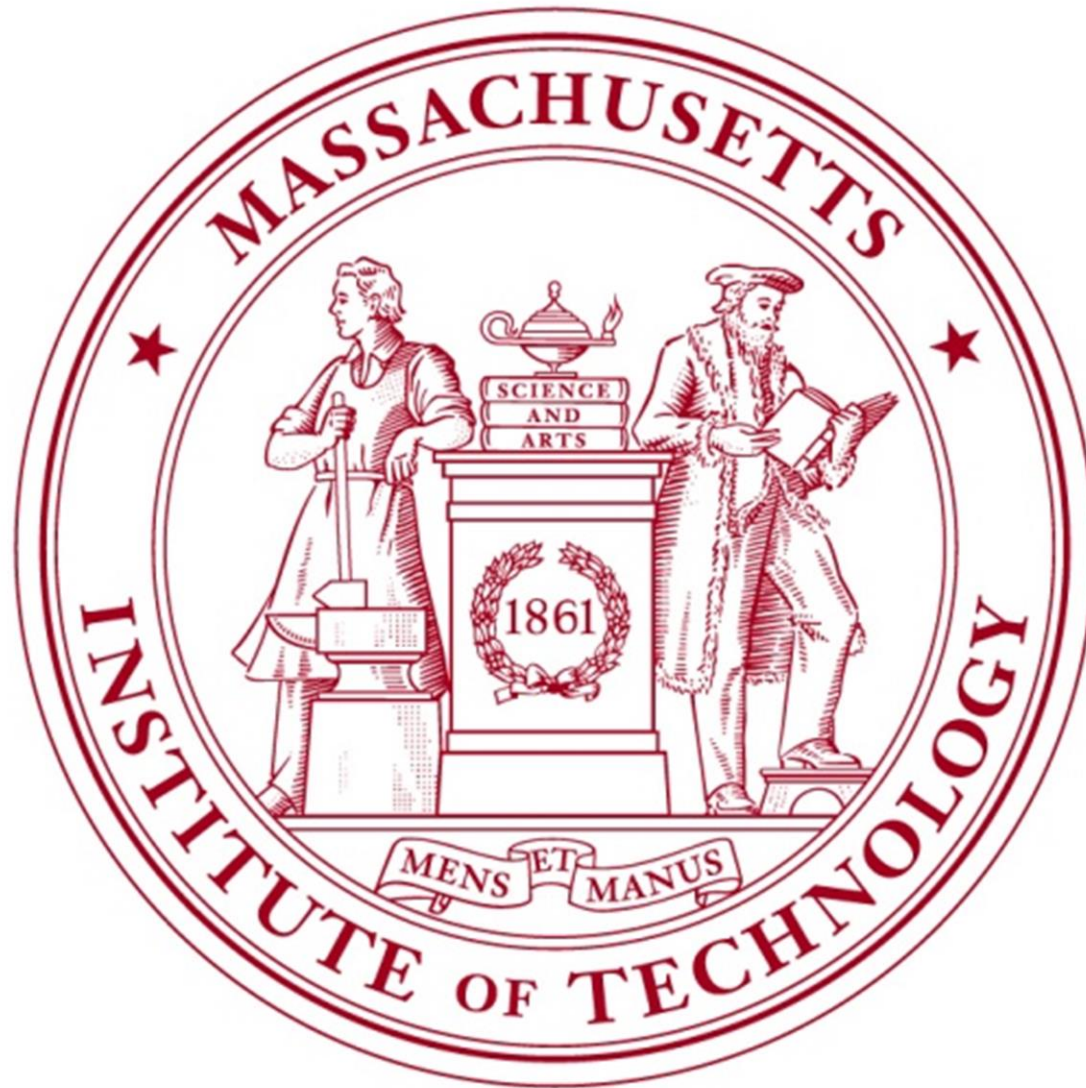


*Lehigh University*





*Lehigh University*



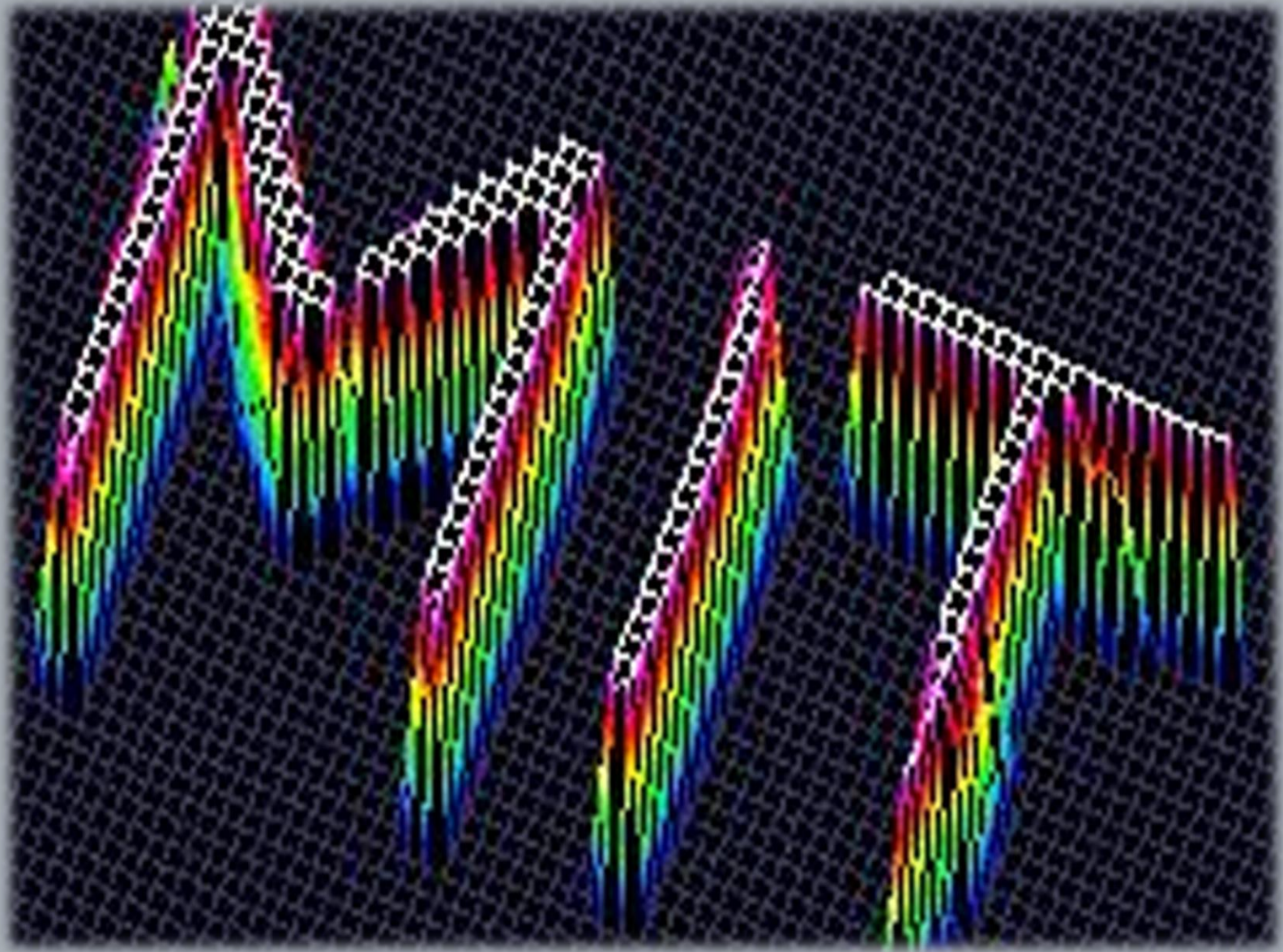
*Massachusetts Institute of Technology*





*Massachusetts Institute of Technology*





*Massachusetts Institute of Technology*



# TANDON SCHOOL OF ENGINEERING



## 160-YEAR HISTORY

From Brooklyn  
Collegiate and  
Polytechnic  
Institute to NYU  
Tandon School  
of Engineering

*New York University*



# UNRIVALED FACULTY

**Since 1854, our professors  
have been changing the world  
with their contributions to  
scientific innovation**

*New York University*



# RESEARCH

The image is a collage. The top left shows a man with a beard and glasses working on a laptop in a lab setting with various machines. The top right shows a man in a white shirt smiling and talking to a woman in an orange sweater. The bottom left shows a man in a dark shirt working on a laptop. The background is a light gray.

**World-renowned  
research centers,  
institutes, state-of-  
the-art facilities,  
and innovation labs**

*New York University*



Fort Lauderdale, Florida

A PRIVATE, SELECTIVE, RESEARCH UNIVERSITY



*Nova Southeastern University*



# STEM Opportunities

## College of Engineering and Computing

## College of Natural Sciences and Oceanography

## College of Health Care Sciences

## College of Osteopathic Medicine

## College of Psychology

## Research

- Anti-Cancer Therapies
- Coral Reef Restoration
- Stem Cell Treatments
- Wild DNA Forensics
- Cybersecurity
- NSU's Center for Collaborative Research

## Special Programs

- 16 Dual Admission combined Bachelors/Advanced degree options
- Razor's Edge Research Scholars Program
- AIM High Medical Camp
- Behavioral Neuroscience Summer Training Program





**17**   
NCAA Division II  
athletic teams

Diverse student body from  
**100+**  
countries 

  
**4,500** undergraduate  
students


  
**17** student average  
class size

  
**235** research projects  
currently underway with  
**\$96** million  
in external funding


  
**50+**  
undergraduate degree  
programs

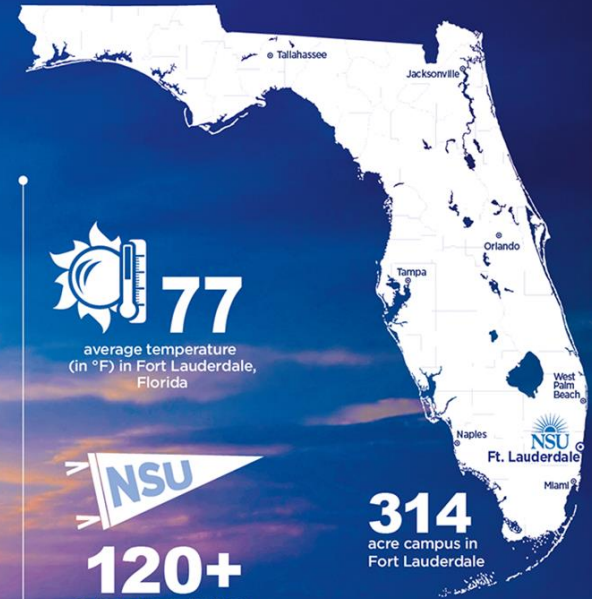
  
**7,000**  
approximate  
number of degrees  
conferred annually

  
**99%**  
of campus students join  
activities, clubs and  
organizations

  
**77**  
average temperature  
(in °F) in Fort Lauderdale,  
Florida

  
**120+**  
clubs and organizations

  
**42%**  
of students from outside the  
state of Florida



**314**  
acre campus in  
Fort Lauderdale

*Nova Southeastern University*





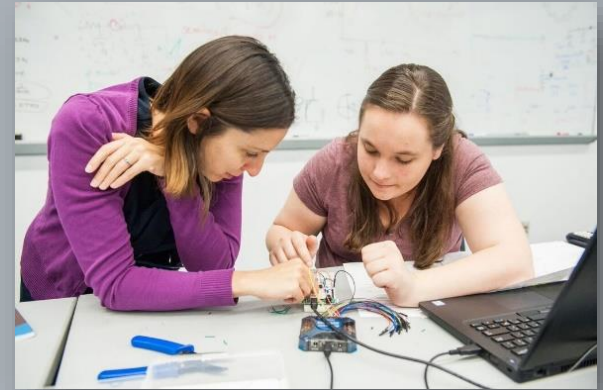
...preparing exemplary engineering innovators who recognize needs, design solutions and engage in creative enterprises for the good of the world.

*Olin College of Engineering*



# Olin by the Numbers

- 350 undergraduate students
- 50% female identified
- 8:1 student/faculty ratio
- Olin Merit Scholarship awarded to every enrolling student, valued at more than \$100,000
- Meet 100% of demonstrated need for US Citizens and Permanent Residents



*Olin College of Engineering*





## Princeton Review

- Best Classroom Experience #2
- Professors Get High Marks #3
- LGBTQ-Friendly #3
- Students Study The Most #4
- Happiest Students #14

U.S. News #3 Best Undergraduate Engineering Programs, non-doctoral



*Olin College of Engineering*



*Rensselaer Polytechnic Institute*



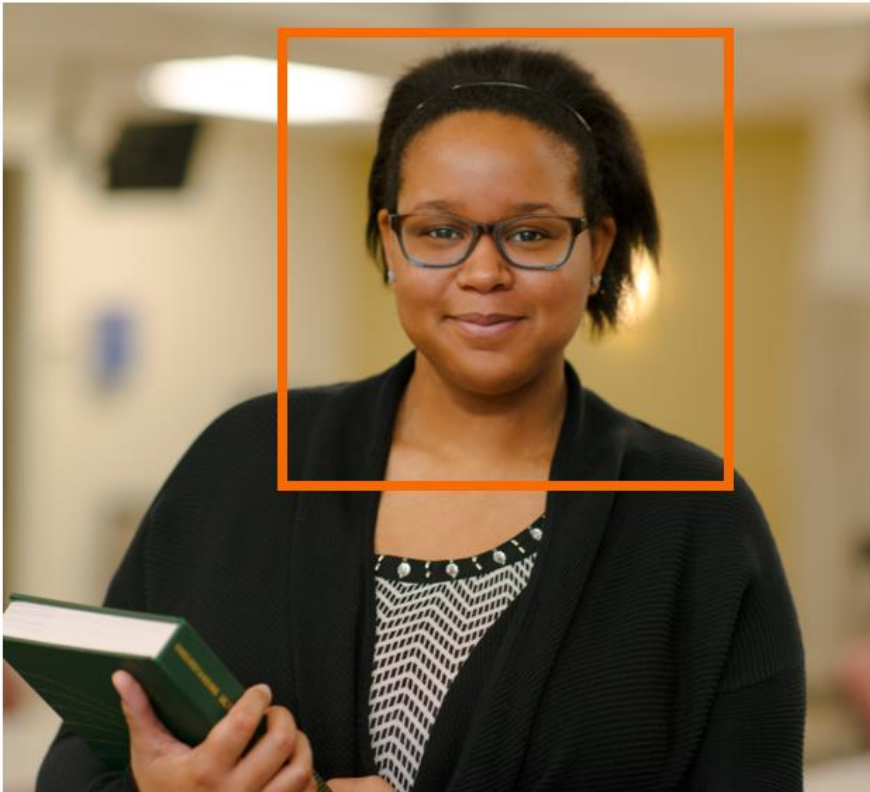


*Rensselaer Polytechnic Institute*



*Rensselaer Polytechnic Institute*





## First, an introduction.

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We're RIT. A university  
of curious minds  
motivated by the thrill of  
discovery and  
determined to move the  
world forward. Together,  
we make the ordinary  
**extraordinary.**

*Rochester Institute of Technology*



## Advancing beyond the expected.

Known for world-class engineering and computing, acclaimed art and design, and business and humanities programs that encourage entrepreneurial thinking and innovation, we're always on to something **amazing**.

**3<sup>rd</sup>**

Largest producer of  
STEM degrees among all  
private universities in the  
nation

**4<sup>th</sup>**

Oldest and one of the  
world's largest co-  
operative education  
programs

**95%**

Consistently, 95 percent  
of graduates enter the  
workforce or graduate  
study annually

*Rochester Institute of Technology*



**Proud to host one of the world's largest and oldest cooperative education programs.**

**Co-op is relevant, real-world, and remarkable experience.**

**100%**

Of our programs offer experiential learning programs, such as co-ops, internships, research, or clinical rotations

**4,500**

Students complete more than 6,200 co-ops each year

**3,400+**

Employment partners host RIT co-op students each year

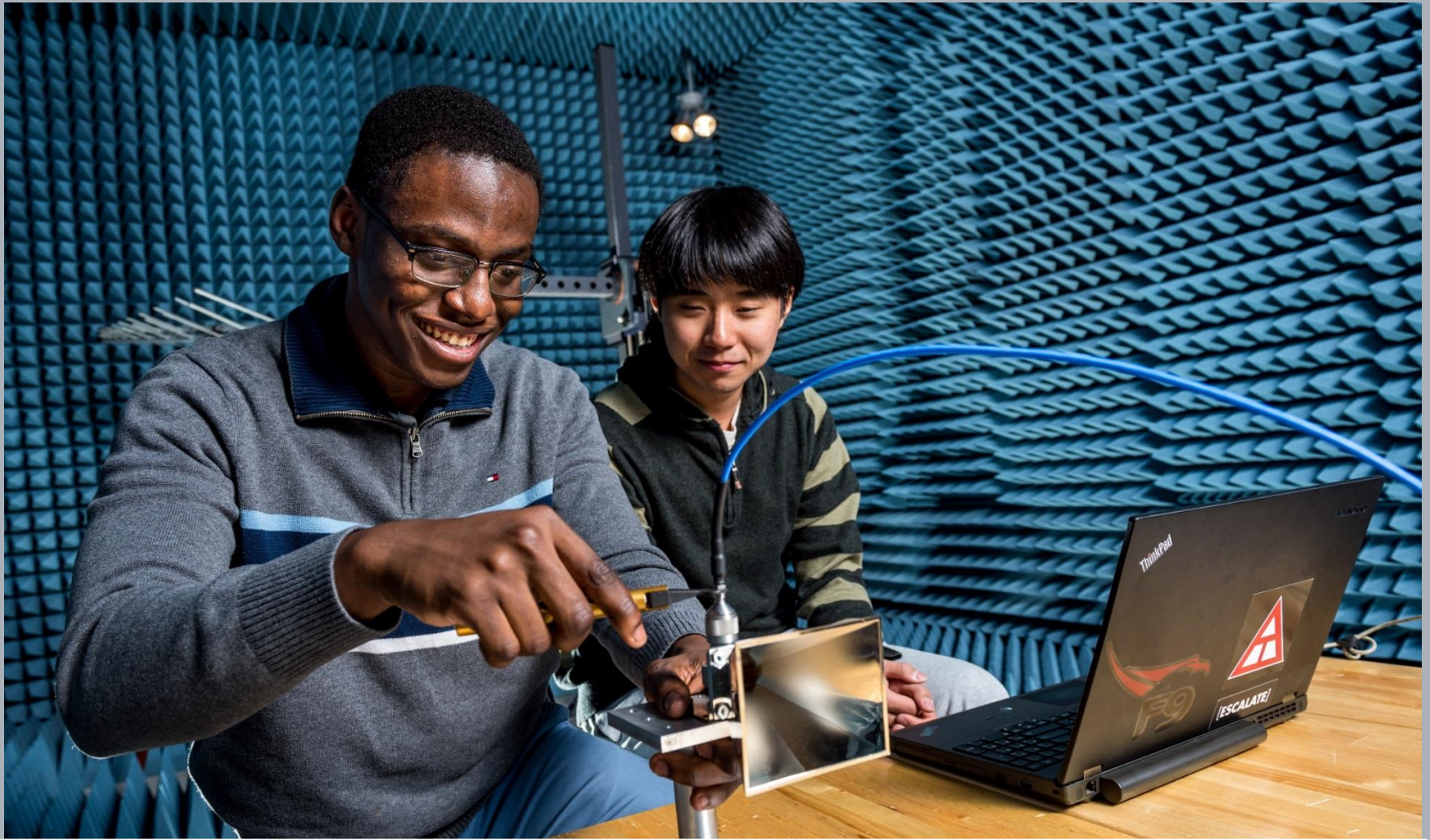
**92 %**

Of employers said they would hire their co-op for a full-time position

**\$105m**

Co-op students annually generate \$105 million in earnings

*Rochester Institute of Technology*



**ROSE-HULMAN**  
INSTITUTE OF TECHNOLOGY

*Rose-Hulman Institute of Technology*





**ROSE-HULMAN**  
INSTITUTE OF TECHNOLOGY

*Rose-Hulman Institute of Technology*





**ROSE-HULMAN**  
INSTITUTE OF TECHNOLOGY

*Rose-Hulman Institute of Technology*



Richard Weeks Hall  
of Engineering



*Rutgers University – New Brunswick*

# *Rutgers School of Engineering*

*Est. 1864:* Among the oldest engineering programs in the U.S.

5,100 students

10 degree majors

175+ research centers

## *Rutgers Class of 2022 Profile*

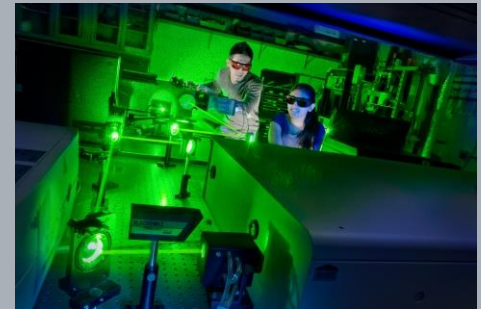
944 students

25% women

1 in 5 faculty members are women

1,000+ alumni are current CEOs, COOs, and Presidents

40+ student-lead engineering organizations



# *Rutgers University – New Brunswick*



# Rutgers School of Engineering

**#1**

Public university in the NJ/NY metro region for  
undergraduate engineering

*U.S. News & World Report*

**Top 50**

Undergraduate engineering programs

*U.S. News & World Report*

**Explore 10**

Students explore all majors before declaring

**5**

Nationally recognized research centers

**#17**

Rutgers ranking among public national  
universities

*U.S. News & World Report*

**\$7.5M**

Scholarships awarded to engineering  
undergraduates

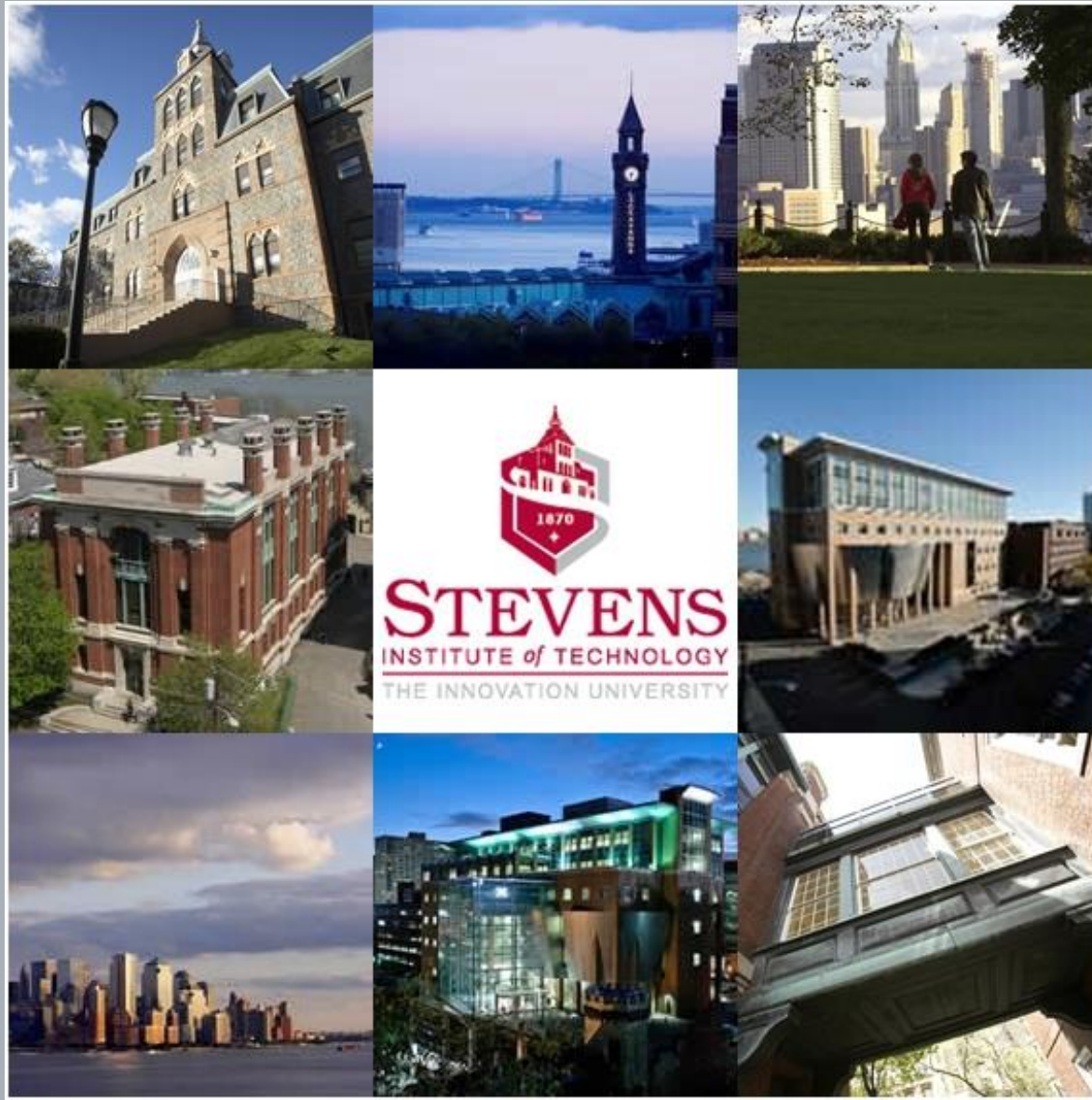
*(2018/2019)*

*Rutgers University – New Brunswick*

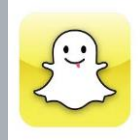


*Rutgers University – New Brunswick*





*Stevens Institute of Technology*



@FollowStevens

- Located in Hoboken, New Jersey; right across the river from Manhattan
- Founded in 1870
- 3,123 Undergraduate Students
- 10:1 Student to Faculty Ratio; Average Class Size: 25
- B.A., B.E., B.S., M.A., M.E., M.S., M.B.A, Ph.D.
- Majors in Business, Computer Science, Engineering, Humanities & the Arts, and Sciences



*Stevens Institute of Technology*





*Stevens Institute of Technology*



# Syracuse



*Syracuse University's  
College of Engineering and Computer Science*

*Syracuse University*



- Aerospace Engineering
- Bioengineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Mechanical Engineering



*Syracuse University's  
College of Engineering and Computer Science*

*Syracuse University*

# Syracuse Invent@SU Invention Accelerator

- Design and prototype a patentable device
- Pitch to industry leaders
- Innovate for six weeks at Syracuse University or in NYC
- Compete to win \$5,000
- Start a business in SU's entrepreneurial ecosystem
- Enter competitions



*Syracuse University's  
College of Engineering and Computer Science*

*Syracuse University*





### Trinity At A Glance:

- Location: Hartford, CT
- 2,117 undergraduates
- Average 18 students per class
- 9:1 student/faculty ratio
- 41 majors and 28 minors offered
- 137 student clubs/80+ Community Learning Partners
- 47 states/ 70 countries represented on campus
- ~70 – 80 total enrollment for all engineering majors

*Trinity College (CT)*



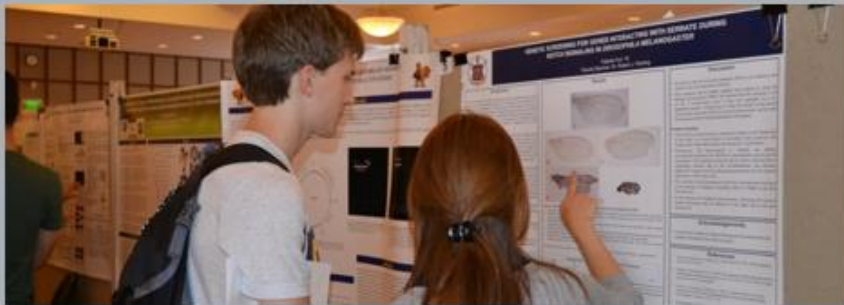
## 4 ABET accredited engineering programs:

- Biomedical
- Computer
- Electrical
- Mechanical



## Facilities/Lab Equipment: Roy Nutt Mathematics, Engineering & Computer Science Center

- Supersonic shock tube
- Subsonic wind tunnel
- VLSI chip design workstations
- Biomedical animal surgery and recording facilities
- SEM and TEM microscopes and more...



*Trinity College (CT)*



## Admissions and Financial Aid:

- Exclusively Common Application
- ED1 and ED2: Nov. 15/Jan. 1
- Regular – Jan. 15
- Test optional for all academic interest (international student requirement varies)
- Application fee waived for all first-generation students
- Meet 100% of financial need



*Trinity College (CT)*



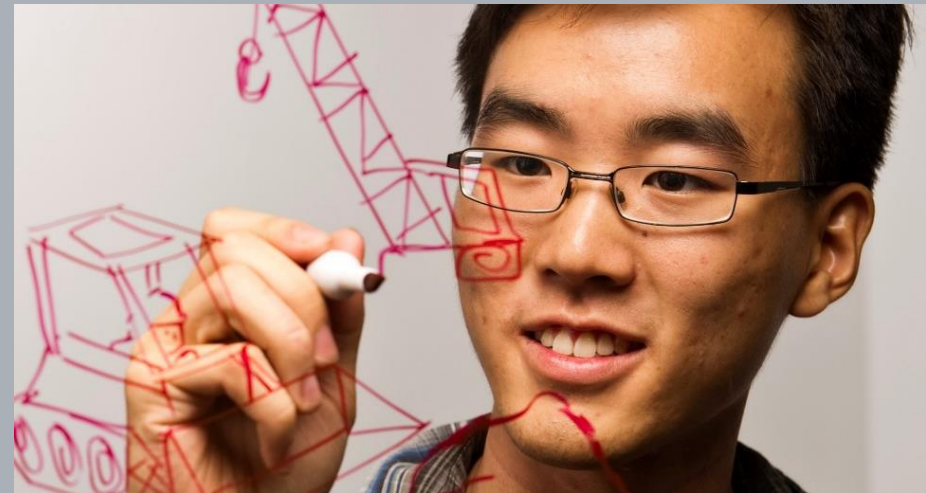
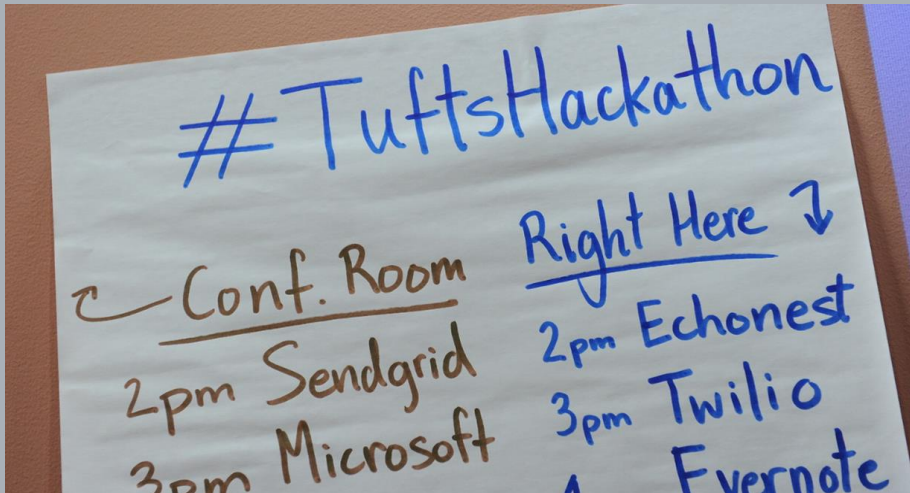
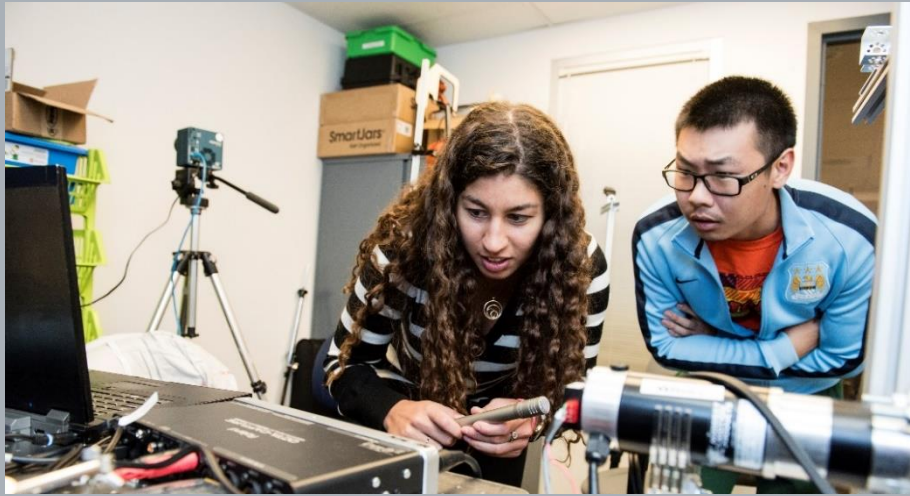
**Tufts**  
UNIVERSITY

*Tufts University*



- > Approximately 5400 Undergraduate Students
- > Approximately 880 Students in the School of Engineering
- > 8 ABET accredited engineering degrees
- > 80% of undergraduates participate in research or internship opportunities
- > Interdisciplinary programs and opportunities to major or minor across schools
- > 49% of the incoming class in the School of Engineering are women
- > 100% of financial need met for admitted students

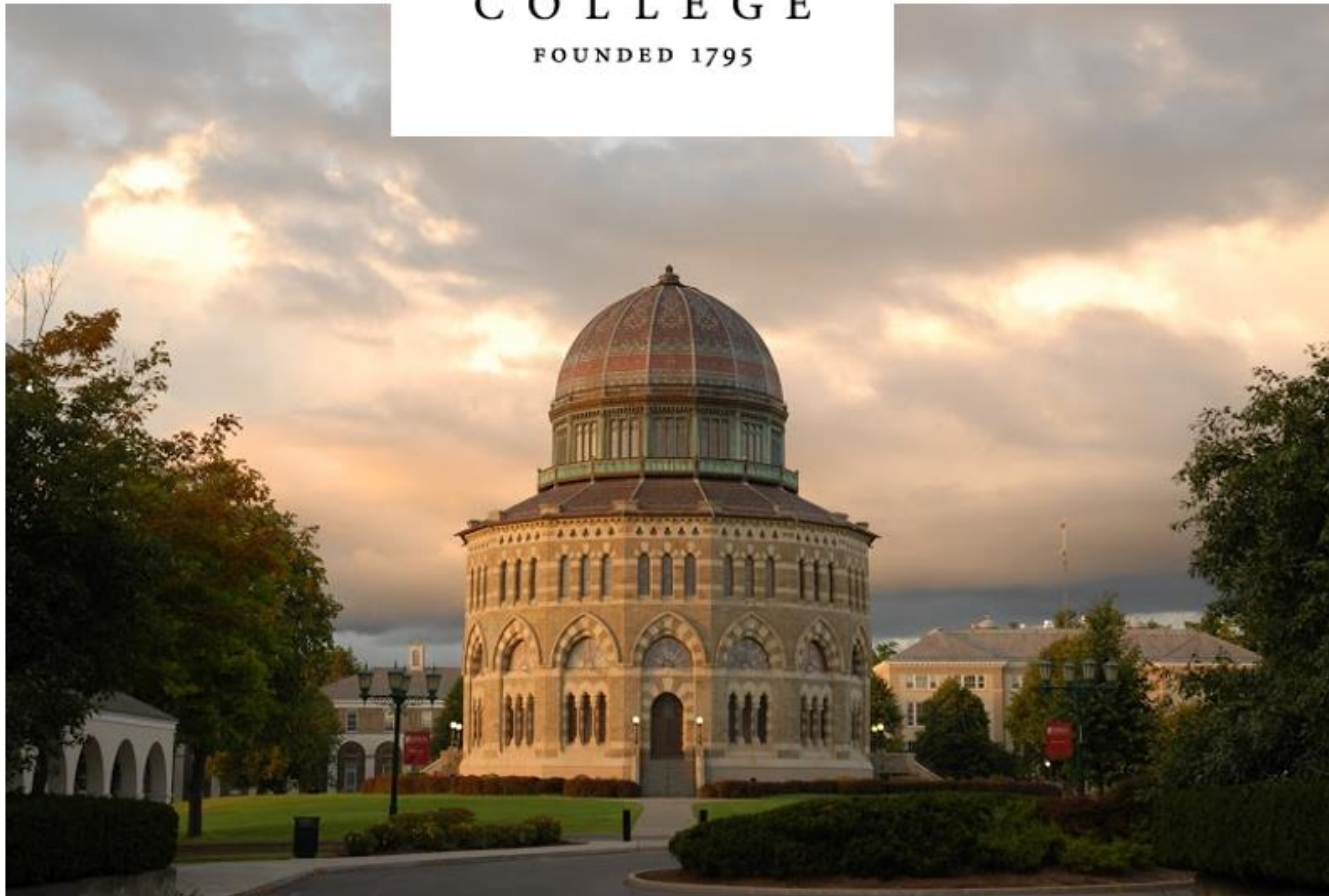




*Tufts University*

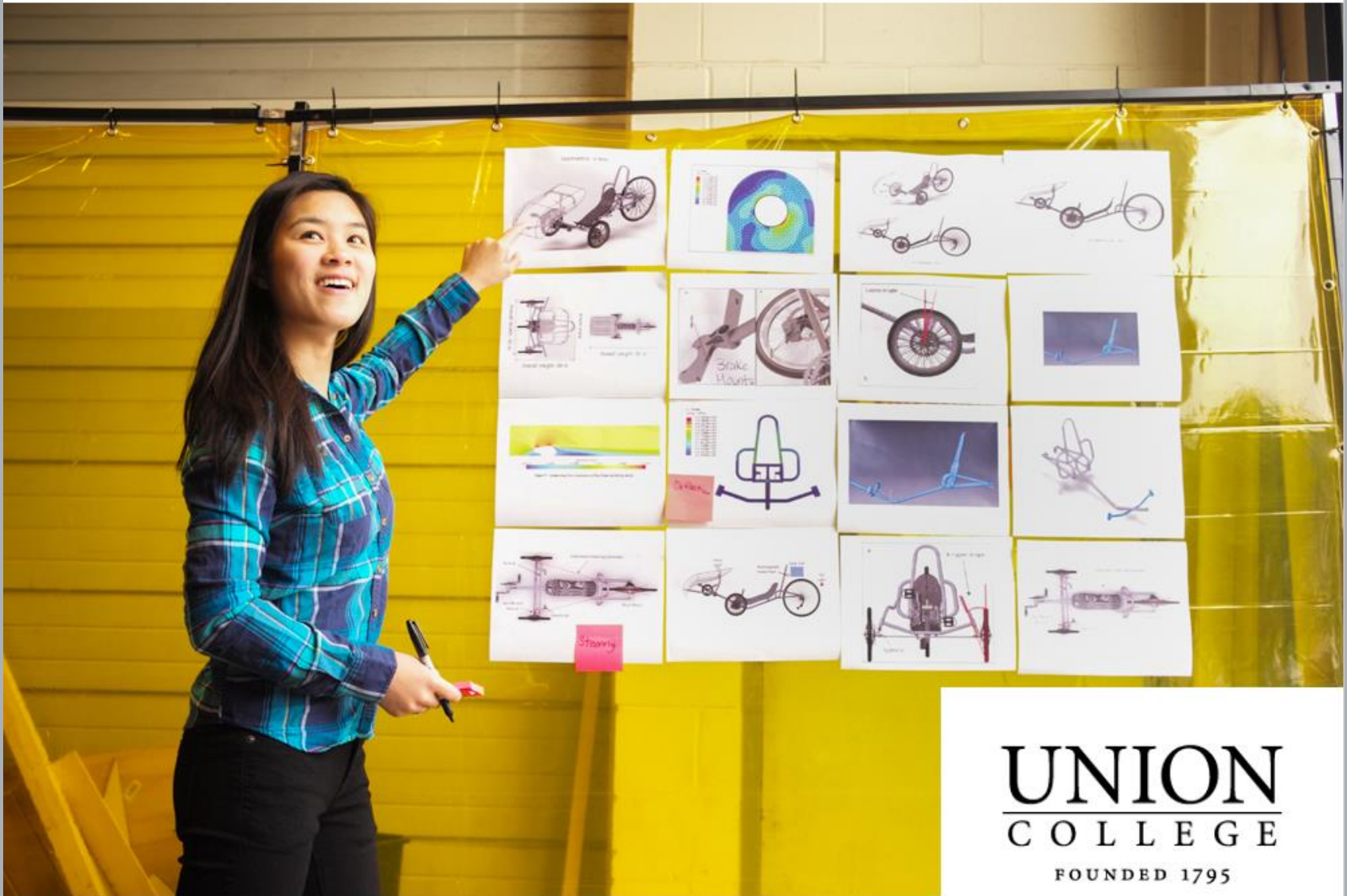


UNION  
COLLEGE  
FOUNDED 1795



LEADING LIBERAL ARTS COLLEGE  
WITH SCIENCE, ENGINEERING AND TECHNOLOGY

*Union College*



**UNION**  
**COLLEGE**  
FOUNDED 1795

*Union College*





UNION  
COLLEGE  
FOUNDED 1795

*Union College*





THE UNIVERSITY OF  
CHICAGO

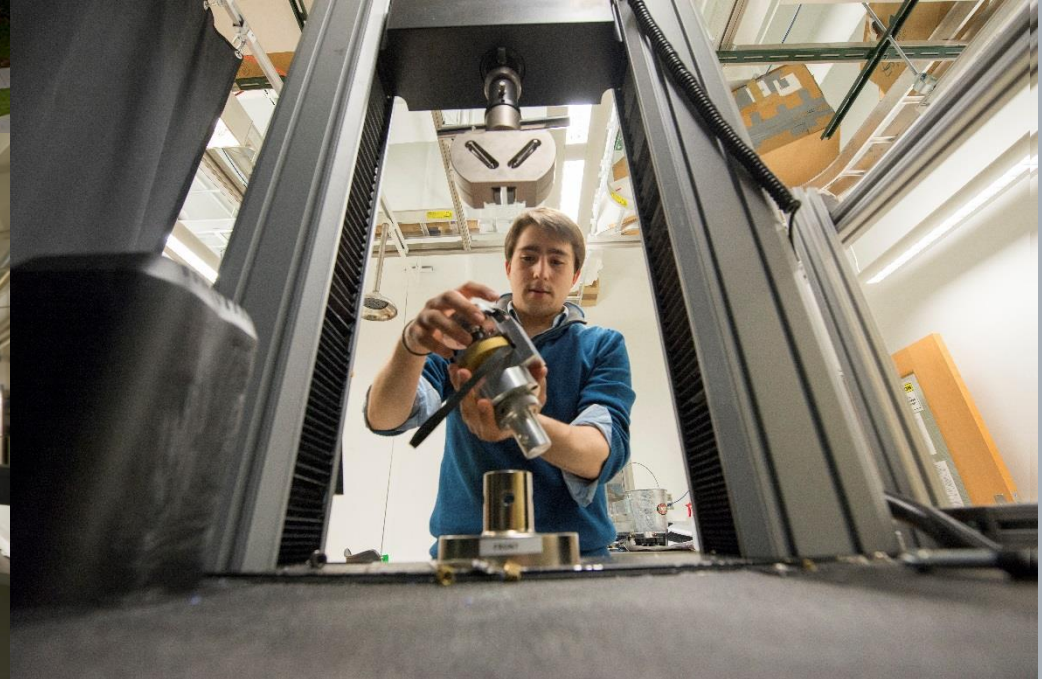


*University of Chicago*





THE UNIVERSITY OF  
CHICAGO



*University of Chicago*





*University of Chicago*





UNIVERSITY OF MIAMI  
COLLEGE of ENGINEERING



*University of Miami*



UNIVERSITY OF MIAMI  
COLLEGE of ENGINEERING



*University of Miami*





UNIVERSITY OF MIAMI  
COLLEGE of ENGINEERING



*University of Miami*

# University of Pennsylvania

Philadelphia, PA

- Need-blind Admissions
- Meets 100% of demonstrated financial need, through all-grant financial aid
- Common Application
- Early Decision
- Application Deadlines
  - Early – Nov. 1
  - Regular – Jan. 5
- Testing Requirements
  - SAT or ACT
  - Subject Tests recommended
- Interviews highly recommended

[www.admissions.upenn.edu](http://www.admissions.upenn.edu)

@PreviewingPenn



*University of Pennsylvania*





## Penn Engineering

1,650 undergraduates

14 majors

5 specialized joint or dual-degree programs

119 faculty members

15 major research centers and institutes

Applicants highly encouraged to have advanced calculus and physics



4

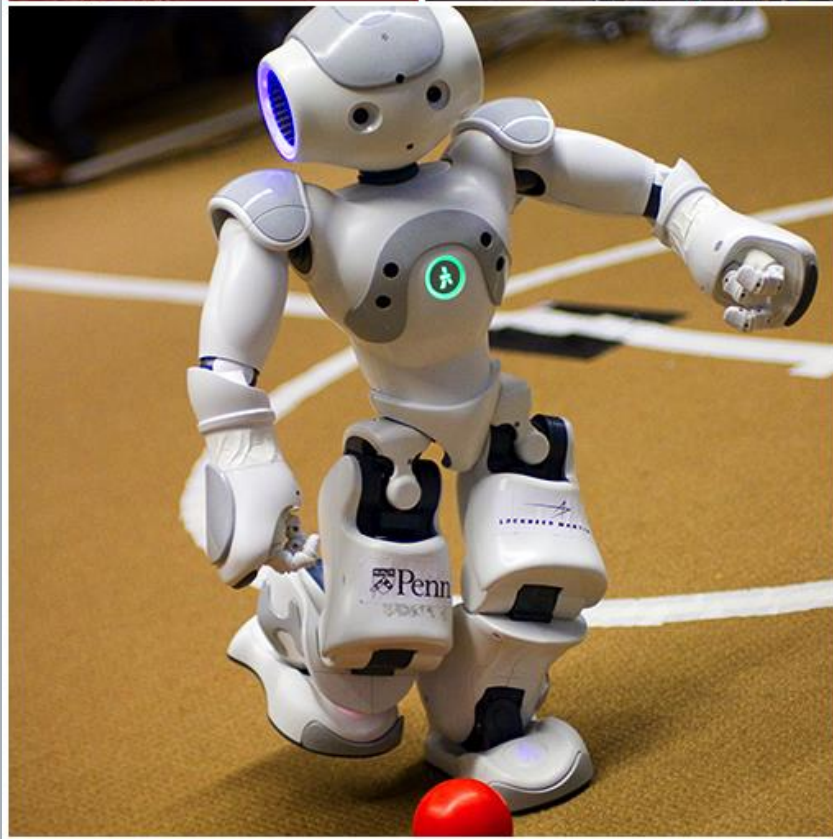
Undergraduate  
Schools



*University of Pennsylvania*



Penn's annual  
research budget:  
**\$901  
million**



UNIVERSITY of PENNSYLVANIA

*University of Pennsylvania*





*Wentworth Institute of Technology*



### Quick Facts

- Private co-educational institution founded in 1904
- 31-acre residential campus in Boston, MA
- 18 Bachelor's degree programs, 19 minors
- 7 Master's degree programs
- 4,457 students, 3,988 full-time undergraduate students
- Average class size: 21
- All undergraduate students complete two semesters of cooperative learning (co-op).
- 98% of surveyed graduates accepted a job or enrolled in a graduate degree program within six months of graduation (over the last four years)



*Wentworth Institute of Technology*





# The Five Factors of Career Success at Wentworth

- Focused Academics
- Cooperative Learning
- Innovation & Entrepreneurship
- Collaboration & Partnerships
- Ideal Location



*Wentworth Institute of Technology*





*Worcester Polytechnic Institute*



# Opened August 2018: Foisie Innovation Studio



*Worcester Polytechnic Institute*





*Worcester Polytechnic Institute*