



**STEVENS**

INSTITUTE OF TECHNOLOGY®

1870

**GRADUATE  
EDUCATION**

# WELCOME TO STEVENS INSTITUTE OF TECHNOLOGY

Our entrepreneurial mindset, a collaborative culture, the passion for change: A Stevens graduate education is transformative.

Here you'll learn at the intersection of **technology and humanity**, where next-generation research is an agent for human progress.

Strong connections between **academia and industry** shape every aspect of your graduate experience.

A powerful pipeline from **research to entrepreneurship** gives you opportunities to bridge innovation and commercialization.

And you'll be **minutes away from New York City**, in the heart of one of the world's most influential corporate and technology centers.

Achieve an exceptional outcome at Stevens Institute of Technology, The Innovation University.



*Our state-of-the-art campus in vibrant Hoboken, New Jersey, is minutes away from New York City.*

50+ 20+

MASTER'S DEGREE PROGRAMS

PH.D. PROGRAMS

TOP 100

BEST NATIONAL UNIVERSITIES

*U.S. News & World Report*

# TECHNOLOGY HUMANITY

INSPIRED BY **HUMANITY**,  
POWERED BY **TECHNOLOGY**®

Stevens Institute of Technology was founded *by innovators for innovators*. Since 1870, we've educated leaders and thinkers who understand that groundbreaking technology is only as valuable as the impact it can have on human lives.

Today Stevens operates at the leading edge in areas including fintech, AI, biomedical and environmental engineering, data science and cybersecurity. Collaborative, project-based learning helps you build critical management

skills, as well as in-demand expertise and a powerful network to achieve your career goals. Technology — and the promise it holds for the future — fuels our research, our academics, our campus and our culture.

LEARN  
MORE







*Students explore the frontiers of health and medicine, developing the next medications, therapies, and diagnostic systems to help make our lives longer, healthier and more comfortable.*

# TECHNOLOGY HUMANITY

## THRIVE IN A COLLABORATIVE CULTURE

Whether your graduate experience includes industry projects or sponsored research, you'll work together with world-renowned faculty and peers who share similar professional passions and career interests.

## SOLVE REAL-WORLD PROBLEMS

Our innovative research in areas such as coastal resilience, alternative energy and healthcare — combined with Stevens' entrepreneurial mindset — is helping to solve today's most pressing global

challenges. At our state-of-the-art research facilities and government-sponsored National Centers of Excellence, you'll be able to join research teams that improve our world.

## PARTNER ON TECH-DRIVEN SOLUTIONS

Stevens is known for our interdisciplinary approach — in fact, our School of Engineering and Science was designed to facilitate it. Here, you'll work with peers in a variety of fields, building a network you'll tap into again and again as your career progresses.

*Student researchers at work as part of Stevens Institute for Artificial Intelligence.*

## INNOVATING FOR TOMORROW

Stevens is at the forefront of innovations that improve our world. Key areas include:

**Creating next-generation fintech solutions** At the Center for Research toward Advancing Financial Technologies (CRAFT), we work with academic and industry partners to develop solutions in areas such as decentralized finance, fairness and equity in lending, AI-enabled finance and quantum finance.

**Engineering environmental breakthroughs** We're working to develop sustainable energy production and conservation — from new battery technologies to catalysts for biofuels and plant-derived plastics.

**Protecting personal data** We're harnessing the power of specialized coprocessors that monitor and enforce security on mobile devices and servers.

**Advancing quantum research and development** With funding from the U.S. Department of Defense, we're researching quantum and artificial intelligence technologies to improve autonomous driving, climate monitoring and data processing.

**Leading biomedical and healthcare innovation** We're conducting groundbreaking research on tissue engineering, medical devices and drug discoveries.





# ACADEMIA INDUSTRY

## TRANSFORMATIVE PARTNERSHIPS

Connections to industry are part of the Stevens DNA. Our strong ties to companies across every major sector — from healthcare to technology to finance — enrich all aspects of graduate study, ensuring you leave with the leadership skills and knowledge needed to secure your professional success. And industry-sponsored research projects provide you with up-to-date expertise that transfers easily to the workplace.

*Stevens received funding from the Public Service Enterprise Group (PSEG) Foundation to enable the creation of the Stevens Center for Sustainability.*







NO. 25 MOST  
INNOVATIVE SCHOOLS

*U.S. News & World Report*

TOP 50 BEST ONLINE  
GRADUATE PROGRAMS

*U.S. News & World Report*

# ACADEMIA / INDUSTRY

## WORK WITH TOP-TIER FACULTY

You'll be mentored by world-renowned experts and rising stars. These close faculty relationships often lead to valuable connections: Stevens students regularly secure internships with Wall Street and Fortune 500 companies.

## COLLABORATE WITH INDUSTRY

Through research initiatives and capstone projects, you'll gain valuable and marketable professional experience.

## BENEFIT FROM AN UP-TO-THE-MINUTE PROGRAM

We tap our industry partners to help shape coursework, ensuring that our dynamic and evolving curriculum delivers exceptional expertise for today's and tomorrow's economy.

*The Samuel C. Williams Library offers graduate students access to extensive databases, research support and more.*



## A CAREER GAME CHANGER

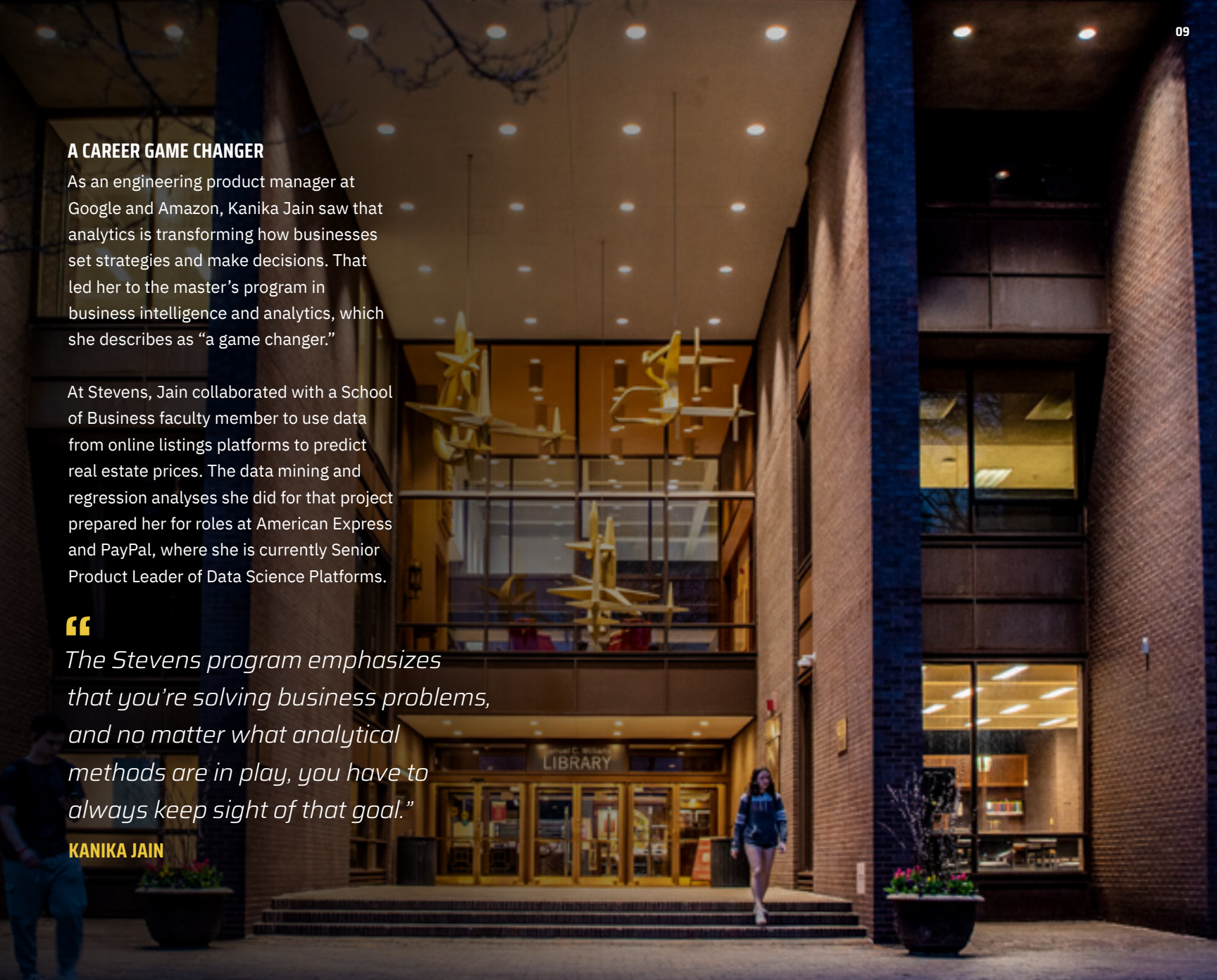
As an engineering product manager at Google and Amazon, Kanika Jain saw that analytics is transforming how businesses set strategies and make decisions. That led her to the master's program in business intelligence and analytics, which she describes as "a game changer."

At Stevens, Jain collaborated with a School of Business faculty member to use data from online listings platforms to predict real estate prices. The data mining and regression analyses she did for that project prepared her for roles at American Express and PayPal, where she is currently Senior Product Leader of Data Science Platforms.

“

*The Stevens program emphasizes that you're solving business problems, and no matter what analytical methods are in play, you have to always keep sight of that goal.”*

**KANIKA JAIN**





# THE SCHOOL OF BUSINESS

## TECH-POWERED PROGRAMS FOR A DIGITAL ECONOMY

Become a strategic thinker with the technical and analytic expertise necessary to lead teams, challenge established processes and identify new opportunities.

14 MASTER'S PROGRAMS

3 DOCTORAL DEGREES

26 GRADUATE CERTIFICATES

9 ONLINE PROGRAMS

- All programs are STEM-designated and accredited by the Association to Advance Collegiate Schools of Business International.
- Boost your job opportunities through our powerful business school alumni network and strong ties to leading companies.
- Collaborate with students on real-world projects, including an industry capstone project, as you gain marketable experience and sharpen leadership skills.
- Hanlon Financial Systems Center offers access to state-of-the-art financial analytics labs.
- 96.5% of all business graduates were employed within six months of graduation.

## RECRUITER'S RANK STEVENS IN TOP 5

Stevens School of Business' commitment to preparing students to embrace new and emerging technologies to become leaders in the digital economy has led to strong recognition from employers and outstanding job placement rates for our students. With 96.5% of master's students and 100% of doctoral students in the Class of 2023 securing jobs within 6 months of graduation, we are ranked No. 5 in the recruiters' assessment category of the *U.S. News & World Report* 2024 Best Business Schools rankings.

## NJ FAST

Stevens is at the heart of the newly formed New Jersey Fintech Accelerator at Stevens Institute of Technology — NJ FAST — a partnership with the New Jersey Economic Development Authority and Plug and Play, a Silicon Valley-based firm and innovation platform known for connecting startups, corporations, venture capital firms and government agencies. This Strategic Innovation Center will serve as a hub for fintech and insurtech startups.

LEARN MORE ABOUT  
THE SCHOOL OF BUSINESS



# SCHAEFER SCHOOL OF ENGINEERING AND SCIENCE

## A POWERFUL PAIRING FOR CAREER SUCCESS

Robust interdisciplinary connections fuel our programs, which blend theoretical knowledge with practical applications.

32 MASTER'S PROGRAMS    19 DOCTORAL DEGREES    7 PROF. ENGINEER DEGREES  
75+ GRADUATE CERTIFICATES    14 ONLINE PROGRAMS    9 DUAL DEGREES WITH MBA

- Through a multidisciplinary curriculum, gain invaluable experiential career knowledge for professional advancement.
- Collaborate with faculty conducting high-impact research in areas from healthcare and drug discovery to cybersecurity and the environment. Projects are funded by organizations such as NASA, the National Science Foundation and the U.S. Department of Defense.
- Conduct research at our state-of-the-art centers and labs, including the Stevens Institute for Artificial Intelligence, the Center for Quantum Science Engineering and our government-associated National Centers of Excellence.

## STEVENS IS ALL IN ON AI

The Stevens Institute for Artificial Intelligence (SIAI) is an interdisciplinary, tech-driven collaboration of engineering, business, systems and design experts working toward solving pressing global problems in industry and the world.

Our group is composed of more than 100 faculty members from all academic units at Stevens researching a variety of applications in AI and machine learning, including cognitive networking and computing, cybersecurity, machine learning and robotics, among others.

## NEXT-GEN HEALTHCARE

As a launchpad of groundbreaking biomedical research, the Semcer Center for Healthcare Innovation serves as the central hub of collaborative research across all three Stevens schools, while catalyzing interdisciplinary connections with external industrial, institutional and clinical partners alike.

With a focus on tackling the most pressing healthcare issues of importance as a global society today, CHI places Stevens at the forefront of healthcare-related research and seeks to develop the next generation of medical innovators.

LEARN MORE ABOUT  
THE SCHOOL OF ENGINEERING AND SCIENCE



# RESEARCH ENTREPRENEUR

## THE INNOVATION PIPELINE AT STEVENS

Across Stevens, faculty and students work with industry and government to conduct high-impact research. Here, you'll be part of a robust ecosystem focused on surfacing innovative ideas through the work of interdisciplinary teams, and transforming today's inventions into tomorrow's realities.

The connection between research and product development is at the heart of what we do. Our Office of Innovation and Entrepreneurship (OIE) provides the infrastructure to support a direct path from research to application at all stages of the pipeline.

146%

GROWTH IN RESEARCH  
FUNDING SINCE 2013



STEVENS RESEARCH  
PILLARS



# SHIP

*Samantha Weckesser '23 MS '24 develops AI to spot cargo-ship containers packing hazardous materials — before disaster strikes.*



## SAFER SEAS: THERE'S AN AI FOR THAT

Samantha Weckesser '23 MS '24 spent the summer of 2023 living in Coast Guard barracks on Staten Island, commuting to port facilities and riding along on container inspections to help prevent cargo-ship fires, which cause millions (sometimes billions) of dollars' worth of annual property loss.

She also built a new, Python-driven AI from scratch that can make intelligent predictions about the hazards that might lurk within individual cargo containers. Now, along with Stevens professor Matt Wade and fellow Stevens alum Andrew Narvaez '23, Weckesser has launched a startup called Homer to further refine, commercialize and market the cargo-scanning AI.

“The maritime industry has a huge need to control its liability,” Weckesser says. “If I have your manifest, I can use this tool to alert you of a concern before you even start to load ... That’s the goal: to prevent accidents before they occur.”

**READ  
MORE**



# RESEARCH ENTREPRENEURSHIP

## RESEARCH OPPORTUNITIES

Mentorship from expert faculty is one of the many reasons students choose Stevens for their graduate study. You'll work closely with leaders in their fields to develop and commercialize innovative research.

## STATE-OF-THE-ART FACILITIES

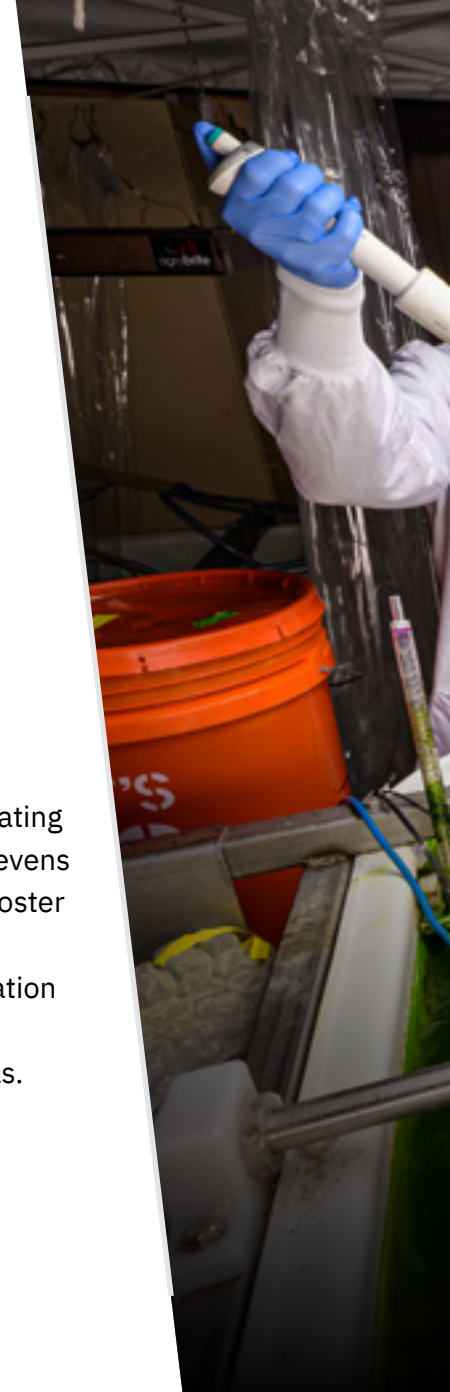
Stevens has 15 research centers and labs, all operating on the leading edge of fields including resilience, sustainability, quantum engineering, biotechnology, artificial intelligence, fintech and healthcare.

## SUPPORT FOR YOUR INNOVATION JOURNEY


From technological innovation to evaluating market opportunities and financing, Stevens has the support structures in place to foster commercialization. Our graduates and faculty have secured patents for innovation in healthcare tech, cybersecurity and biotechnology, among many other areas.



**RESEARCH CENTERS  
AND LABS**







*Researchers at Nicoll Laboratory monitor algae biomass that will be converted to bioenergy.*

### **INSIDE THE OFFICE OF INNOVATION AND ENTREPRENEURSHIP**

A one-stop shop, the Office of Innovation and Entrepreneurship (OIE) facilitates all aspects of commercialization. This is where faculty, students and alumni who want to start a company or identify market

opportunities come for support with everything from business strategy and raising capital to fielding test solutions or sourcing management teams. The OIE also manages intellectual property at Stevens,

providing guidance and assistance in the development, protection and deployment of ideas and inventions. It's just one way Stevens supports you throughout your graduate study — and after graduation.



# NYC HOBOKEN

## **NEXT DOOR TO NEW YORK CITY**

Our campus is located in Hoboken, New Jersey, a vibrant city with a small-town feel. Popular with young professionals, the area is known for a foodie culture and a lively local arts scene. We overlook the Hudson River with a breathtaking view of New York City, just 10 minutes away by train.

Being at the heart of the New York metro area infuses all aspects of graduate study at Stevens, whether you're on campus or online. It draws dynamic and connected faculty who are leaders

in their field. It strengthens our ties to nearby technology, healthcare and finance companies — and helps foster the industry collaboration on real-world projects that is an integral part of our curriculum. And our location among industry leaders in finance, technology, pharmaceuticals, petrochemicals, biomedical devices and many other fields translates to powerful career and internship opportunities.

*The Babbio Center  
for Technology  
Management is the  
home of the School  
of Business.*

## **A STEVENS WELCOME**

Each year, students from across the U.S. and the world choose Stevens for their graduate study. Our university community values diversity, and Hoboken provides a safe and welcoming home.

Whether you're coming from out of state or out of the country, we support you from the day you arrive with

airport pickup and temporary housing to give you time to settle in. We're also here to advise you on program choices, help you adjust to life on campus, connect with other students and achieve your professional and academic goals.



# UNPARALLELED CAREER OUTCOMES

## **YOUR PATH TO OPPORTUNITY**

Your future begins at Stevens. Our curriculum seamlessly spans education and professional development. Top-notch faculty teach from real-world experience, giving you expertise you can bring to your job or internship right away. Our award-winning Stevens Career Center can connect you to opportunities during your time at Stevens and after graduation while our powerful alumni network of 40,000 professionals around the world can share their wisdom and open doors.

## TOP 20

**FOR ROI 40 YEARS  
AFTER ENROLLMENT**

Georgetown University Center  
on Education and the Workforce

## 97%

**GRADUATE STUDENTS SECURE  
EMPLOYMENT WITHIN SIX MONTHS  
OF GRADUATION**

## TOP 75

**BEST BUSINESS SCHOOLS**

*U.S. News & World Report*

## TOP 100

**BEST ENGINEERING SCHOOLS**

*U.S. News & World Report*

*You'll receive personalized guidance through all phases of your career at the Stevens Career Center.*

### **INSIDE THE STEVENS CAREER CENTER**

Our award-winning Stevens Career Center supports your success through career exploration, experiential opportunities and individualized guidance.

Whether you're attending online or on campus, you'll benefit from the personalized services and resources our team of dedicated professionals delivers and their relationships with hundreds of employers.

For international students, our focus on career development provides a pathway to U.S. work opportunities, and those in our federally STEM-designated programs are eligible for an optional two-year training extension to work in the United States.

**CAREER  
CENTER**





50+ MASTER'S DEGREE PROGRAMS

20+ PH.D. PROGRAMS

100+ GRADUATE CERTIFICATES

## STEVENS YOUR WAY

Whether you're a working professional or just completed your bachelor's, there's a learning opportunity to fit your lifestyle, career and educational goals: flexible full time, part time, on campus, corporate partnership or fully online.

## OUR TOP-RANKED STEVENS ONLINE PROGRAM

With an advanced degree completed through StevensOnline, ranked one of the Top 50 Best Online Graduate Programs by *U.S. News & World Report*, you'll gain knowledge you can immediately apply in your workplace. These are the same acclaimed Stevens programs, delivered through our award-winning online platform. You'll learn from the same world-class faculty as on campus students and have opportunities to connect with peers, participate in group assignments and network.

“

*I gained more than I expected, and I am more technically equipped than I was before. It's helping me when I'm applying for jobs. Investing in my master's at Stevens was definitely worth it.”*


**ASHISH BODHANKAR '22, M.S. DATA SCIENCE**



APPLY  
NOW



EXPLORE OUR  
PROGRAMS

A photograph of a modern glass building at night. The building's facade is composed of a grid of dark frames holding large glass panels. The interior of the building is brightly lit, revealing a complex white structural framework of beams and columns. The building is situated on a paved plaza with a few benches. In the background, a city skyline is visible across a body of water, with several skyscrapers illuminated against the dark night sky. A prominent skyscraper with a blue and white spire is visible. The overall scene is a mix of modern architecture and urban landscape.

*Our welcoming  
Hoboken, New Jersey  
campus overlooks  
nearby New York City.*



## **GRADUATE ADMISSIONS**

201.216.5319 and 1.888.STEVENS

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[stevens.edu](http://stevens.edu)