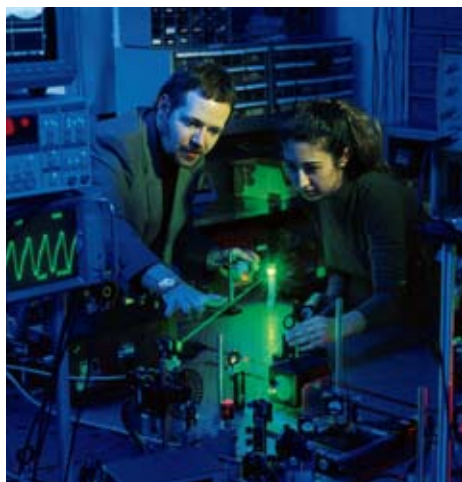


Sciences



To study the sciences at Stevens Institute of Technology is to become part of a rich tradition of innovation and research. From a Nobel Prize winner (Frederick Reines, '39, for the detection of the neutrino) to current NSF and NIH grant recipients, Stevens faculty and students are thought-leaders in their fields who embrace a philosophy of engaged discovery.

In continuing this legacy, students in the sciences acquire a set of skills that are second to none, working with some of the most sophisticated equipment available today. State-of-the-art facilities like the Center for Mass Spectrometry offer hands-on research opportunities not available at larger universities.

The Stevens curriculum is also charged with our unique entrepreneurial philosophy known as Technogenesis®, where you will work together with faculty and industry partners to bring scientific discoveries to realization. It's that environment—where scientists can make truly significant discoveries that have an impact in our society and the marketplace—that led *The Princeton Review* and *Forbes* to rank Stevens among the Top 20 Most Entrepreneurial Campuses in the nation.

Whatever your scientific area of interest, Stevens has a major in the sciences that will challenge and inspire you, and prepare you to become a leader in your field of choice.

Faculty and Research

Stevens strongly encourages undergraduate students to participate in faculty-mentored research or design, allowing you to experience the thrill of creating new scientific or technical knowledge. At Stevens, you will have access to top-level research facilities and decorated faculty who are respected throughout the world for their research. For example, the Algebraic Cryptography Center has been formed to investigate new techniques from computational algebra and their applications to practical problems in cryptography and cryptanalysis. Recipients of National Science Foundation grants, pioneers in biodiversity and medicinal chemistry, innovators in optical physics and photonics technology, leaders in computer visualization and graphics, and trailblazers in stochastic programming—they are among the faculty who will work with you to push the envelope of discovery and innovation.

Laboratories

Laboratory facilities at Stevens are charged with the collaboration of minds trying to find solutions to our most pressing problems. Some of the active labs at Stevens include:

Light and Life Laboratory (Physics)

Nanoscale Device Laboratory (Physics)

Bioanalytical Chemistry
Bioinformatics
Chemical Biology
Chemistry
Computational Science
Computer Science
Cybersecurity
Engineering Physics
Information Systems
Mathematics
Physics
Science and Law

Cooperative Education and Internships

Stevens provides opportunities that give you exposure to research and real-world experience. Our Cooperative Education and Internship programs give you industry experience while applying the knowledge learned in the classroom directly to solving a company's most current problem—all while building your résumé before graduation. Many of our students receive job offers from companies they have worked with. Companies that employ Stevens students through our co-op and internship programs include:

Astra Zeneca
Cadbury Schwepps
Exxon
Fisher Price
Hamilton Sundstrand
Johnson & Johnson
L'Oreal
Movado
PSE&G
Saks 5th Avenue
Schering Plough
Skanska
Stryker Orthopaedics
Verizon Wireless



Ultrafast Laser Spectroscopy and High-Speed Communication Lab (Physics)

Photonic Science and Technology Group (Physics)

Center for Mass Spectrometry (Chemical Biology)

Microbiology Laboratory (Chemical Biology)

Polymer Laboratory (Chemistry)

Computer Vision Laboratory (Computer Science)

Laboratory for Secure Systems (Computer Science)

NJ Institute for Trustworthy Enterprise Software (Computer Science)

NJ Center for Software Engineering (Computer Science)

Computer Visualization and Graphics Laboratory (Computer Science)

Algebraic Cryptography Center (Mathematical Sciences)

Pursuing your degree at Stevens means you will have the opportunity to engage your mind, challenge your theories, and participate in some of the

most interesting and groundbreaking research happening in science today. You will be prepared for the future—whether your choice is research, academics, medicine, or the corporate world.

Accelerated Medical and Dental Programs

To prepare yourself for medical or dental school, you need an education based on a strong foundation in the sciences, a solid background in social science and humanities, and highly developed communication skills. The Pre-Medicine and Pre-Dentistry programs at Stevens meet these needs and offer challenging courses of study that match your ambition, as well as demand the very best of you to ensure success.

Success

Boasting nearly a 90% placement rate within one month of graduation, the Office of Career Development at Stevens works with students to prepare them for continued success in industry and graduate school after graduation.

Graduate Schools Attended by Recent Stevens Graduates

California Institute of Technology
 Columbia University
 Cornell University
 Drexel University
 Harvard University
 New York Law School
 New York University
 Northwestern University
 Princeton University
 Rutgers University School of Law
 Stevens Institute of Technology
 Tufts University
 Tulane University
 University College London
 University of California at Davis
 University of Medicine and Dentistry of New Jersey
 University of Michigan
 University of North Carolina at Chapel Hill
 University of Southern California
 University of Texas Health Science
 University of Pennsylvania
 Yale University

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STEVENS
 Institute of Technology

“Working with the professors [has] been interesting and fun. You start to see them as really being a lot like entrepreneurs — they’re all trying to produce something new and interesting, something that will help them fund further research. Also, in my experience, they have always been very willing to help each other out, and it’s good to see that such people are willing to sacrifice their time to help their colleagues. It shows that science can’t really move forward without collaboration.”

— Mitchell Izower, Class of 2010, Chemical Biology