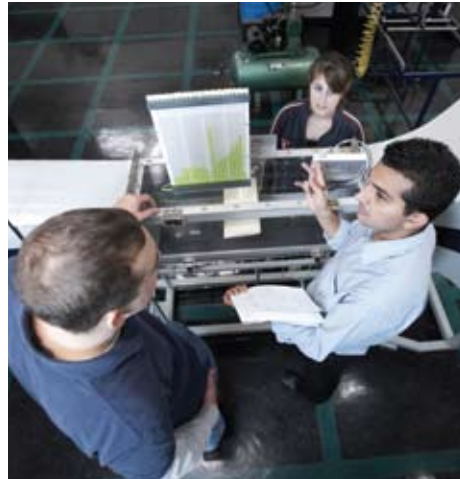


Engineering



In a world increasingly influenced by scientific and technological innovation, engineers provide important leadership to society by creating, applying, and managing complex technologies. The Charles V. Schaefer, Jr. School of Engineering and Science at Stevens offers a design-intensive program that leads to the Bachelor of Engineering (B.E.) degree. Well-rounded engineers with a B.E. can better tackle problems because their skill set is more comprehensive than engineers who have a Bachelor of Science in engineering.

The distinction of a Stevens degree doesn't stop there: the design-intensive programs you will encounter here include engineering design courses in each semester of your study. From the Design Spine to the capstone Senior Design Project, where knowledge from the classroom is applied to a major design project, you will gain practical, hands-on experience. The majority of senior design projects are sponsored, mentored, or developed in collaboration with a partner in industry.

An Entrepreneurial Focus

Whatever your area of interest, Stevens has a major that will challenge and inspire you, and prepare you to become a leader in your field of choice. *The Princeton Review* and *Forbes* ranked Stevens among the Top 20 Most Entrepreneurial Campuses. Stevens has developed an Entrepreneurship minor that encourages students to take

a technology and transition it to a commercial product. If, at the end of the sequence, you have a viable product, you will make a pitch to venture capitalists for funding. In an environment that promotes the entrepreneurial spirit, an engineer can design entire systems and processes that make an impact in our society and the marketplace.

A Community of Scholars

As a member of our student body, you will join a community of motivated thinkers who push the boundaries of science and technology. From their freshman design class to their senior design projects, with faculty research projects in between, they discover, design, and build the next generation of new ideas to meet society's challenges. Whether pursuing advances in biomedical engineering that will change heart surgery for the better, developing wireless communications systems, or completing craft scale model boats for performance testing, Stevens students thrive on the values of discovery and achievement.

Faculty & 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

Biomedical Engineering
Chemical Engineering
Civil Engineering
Computer Engineering
Electrical Engineering
Engineering Management
Environmental Engineering
Mechanical Engineering
Naval Engineering

Theory and Practice: Cooperative Education and Internships

Stevens provides opportunities for exposure to research and real-world experience. Our Cooperative Education and Internship programs will help you gain 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:

Cadbury Schweppes
ExxonMobil
Fisher Price
Hamilton Sundstrand
Johnson & Johnson
L'Oreal
Movado
PSE&G
Schering Plough
Skanska
Stryker Orthopaedics
Verizon Wireless



their research. Recipients of National Science Foundation grants, pioneers in nanotechnology, innovators in micro-chemical systems, leaders in wireless network security, and trailblazers in homeland security—they are among the faculty who will work with you to push the envelope of discovery and innovation. Some of our research centers and initiatives include:

Center for Environmental Systems
(environmental engineering)

Davidson Laboratory
(naval and ocean engineering)

Design and Manufacturing Institute
(mechanical engineering)

Highly Filled Materials Institute
(materials engineering)

The New Jersey Space Grant Consortium
(aerospace related research)

The New Jersey Center for MicroChemical Systems
(chemical engineering)

CyberSecurity Initiative
(electrical, computer and systems engineering)

Systems Engineering Research Center
(systems engineering and engineering management)

Center for Complex and Adaptive Sociotechnical Systems
(systems engineering and engineering management)

Success

Working closely with the Office of Career Development, Stevens students enjoy great success when it comes time to secure employment after graduation. **The average starting salary of Stevens engineering graduates in the class of 2009 was more than \$62,000.**

Salaries By Major (Class of 2009)

Biomedical Engineering	\$58,900
Chemical Engineering	\$66,900
Civil/Environmental Engineering	\$59,150
Computer Engineering	\$62,300
Electrical Engineering	\$63,500
Engineering Management	\$63,100
Mechanical Engineering	\$61,050

The Bachelor of Engineering Degree

The B.E. is founded on the strength of our extensive core curriculum in exposing you to a breadth of engineering topics while allowing for concentration in an engineering area. This gives you the opportunity to receive depth in your chosen field as well as a comprehensive engineering education that will help you understand all engineering disciplines. Compare a Stevens B.E. degree to a typical B.S. in engineering degree:

Stevens B.E. Degree	Engineering B.S. from another University
Design Courses	
Comprehensive Engineering Courses	
Discipline Specific Courses	Discipline Specific Courses
Humanities Courses	Humanities Courses
Elective and General Education Courses	Elective and General Education Courses

Office of Undergraduate Admissions

Castle Point on Hudson
Hoboken, NJ 07030
ph: 800.458.5323
fax: 201.216.8348
email: admissions@stevens.edu
www.stevens.edu

STEVENS
Institute of Technology