

Naval Engineering

As a naval architect, marine engineer, or ocean engineer you could design, build, operate, and maintain ships and other waterborne vehicles and ocean structures as diverse as aircraft carriers, submarines, sailboats, tankers, tugboats, motor yachts, underwater robots, and oil rigs. One of the oldest technical fields in the world, naval engineering is also one of the most high-tech careers available today.

Innovations in ship design, safety, and speed change the way goods and services are transported and delivered across the globe. Meeting today's increasing environmental and economic challenges

means that the field must continue to evolve, and educated professionals who can meet these challenges are in higher demand than ever. As a **leader in naval engineering**, Stevens offers a Bachelor of Engineering (B.E.) in Naval Engineering that uniquely prepares you to enter this exciting and dynamic field.

Your Opportunity for Hands-On Experience

Based on a strong research program, the Stevens program in naval engineering features a hands-on curriculum that capitalizes on the state-of-the-art research and testing facilities as well the expertise of our faculty, recognized leaders in the field of naval engineering. You can explore:

- ◆ Ship and hull design
- ◆ Propulsion systems
- ◆ Effects of ocean properties on ship transport

You can also take advantage of the extended offerings of courses in ocean, coastal, environmental, and civil engineering – all of which are interrelated and contribute to an expanded knowledge of maritime systems.

Top Facilities and Unbeatable Location

Stevens has for the past seven decades played a central role in the development of small ship design technology, and is an active member of the commercial small ship and boat design community. Located minutes from New York City, where there are more firms that specialize in ship design than anywhere else, Stevens offers strong connections that are important for a solid education in naval engineering.



Top Employers in Naval Engineering

Whether you want to be a naval engineer, naval architect, marine engineer, ocean engineer, or ship designer, top government and private companies look for graduates who have a strong background in the field. Employers include:

U.S. Navy

Army Corps of Engineers

U.S. Coast Guard

National Oceanic and Atmospheric Administration

General Dynamics

Lockheed Martin

Northrop Grumman

Naval architectural firms

The Stevens Research Arena

Opportunities for research and internships are well within your grasp at Stevens. Most importantly, the hands-on experience at Stevens means that you will be involved in research at Davidson Laboratory, Stevens' hydrodynamic and ocean engineering research center. At this world-class wave tank and towing tank complex on the Stevens campus, researchers at Davidson Lab have examined more than 5,500 designs and developed close relationships with a number of small ship design firms as well as small ship builders.

An Unmatched Reputation

The laboratory has an international reputation in marine craft development and testing, as well as advanced research in coastal engineering, marine environmental engineering and underwater acoustics. With the Navy's emphasis on smaller ships and craft and on minimum manning, specialized areas where Davidson Laboratory has established itself as a leader and where innovation is rapid, Stevens is best positioned to bring this community of small and mid-size ship innovators to the naval design community.

Stevens is also home to the Atlantic Center for Innovative Design and Control of Small Ships, a new and far-reaching naval research and engineering center that involves an impressive consortium of co-investigators, including personnel from the US Naval Academy in Annapolis, Maryland; University College, London, England; and Lockheed Martin.

The Davidson Medal, the Society for Naval Architects & Marine Engineers' prestigious international award granted for outstanding scientific accomplishment in ship research, was named for Dr. Kenneth Davidson, founder of Stevens' Davidson Laboratory.

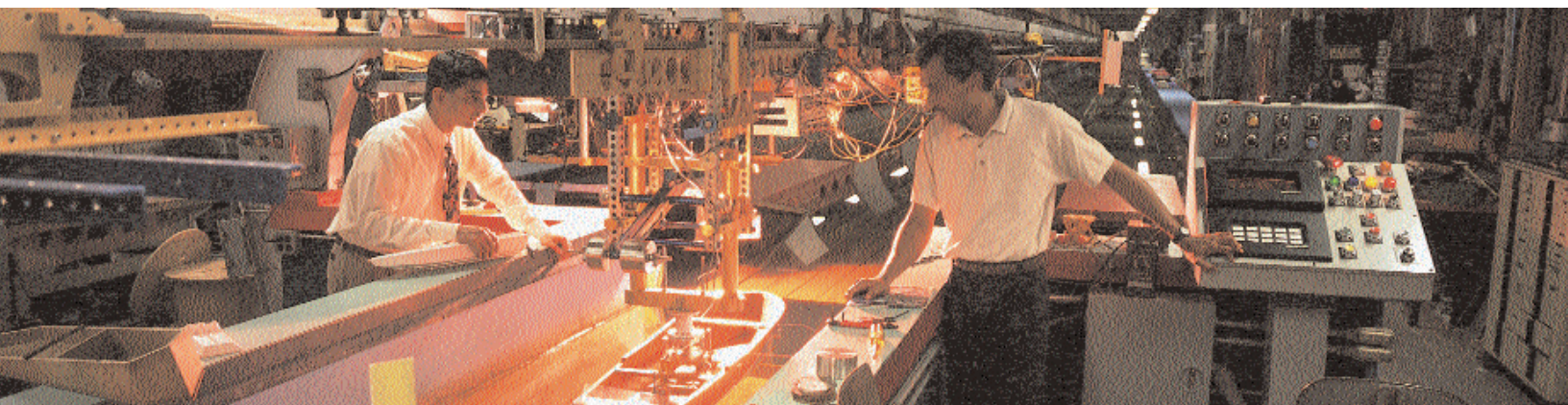
Critical Research at Davidson Laboratory

Marine Craft Development and Testing, including stability, control, and behavior of vessels in varying environments

Physical Model Testing and Computer Simulation of advanced marine craft such as submarines, seaplanes, and amphibious vehicles

Ocean Observation and Forecasting, including remotely controlled underwater vehicles

Acoustics and Vibration in various media and materials



Embark Upon a Dynamic Career in Naval Engineering.

Apply to Stevens Today.

Office of Undergraduate Admissions ♦ Castle Point on Hudson ♦ Hoboken, NJ 07030
ph: 800.458.5323 ♦ fax: 201.216.8348 ♦ e-mail: admissions@stevens.edu ♦ www.stevens.edu