



UNITED STATES COAST GUARD ACADEMY



USCGA Campus

The **United States Coast Guard Academy** at New London, Connecticut, is one of the five United States Federal Service Academies. It is supported by the Federal Government and operated within the authority of the Department of Homeland Security. It is a highly respected institution offering a superb undergraduate education. It is the principal source of graduates with technical degrees for the United States Coast Guard officer corps. The Coast Guard Academy is dedicated to producing officers who meet the needs of the Service.

Within this broad perspective lie four primary objectives: (1) to provide, by precept and example, an environment that embraces the Coast Guard Core Values of Honor, Respect, and Devotion to Duty; (2) to provide a sound undergraduate education in a field of interest to the Coast Guard, (3) to provide leadership education, and (4) to provide professional

training which enables graduates to immediately assume their duties as junior officers.

The Cyber Systems (CYS) major prepares future officers for exciting careers in cybersecurity within the Coast Guard with a focus on developing, integrating, and implementing cutting-edge computing technologies in an interconnected cyber world. Cyber technology is inextricably linked with all aspects of Coast Guard mission performance. The Cyber Systems major comprises a strong academic foundation in secure technical computing balanced with a managerial cyber emphasis.

The major provides students with the necessary foundations for the design and development of assured, secure computer systems in order to defend computer networks, enable Coast Guard missions, and protect critical national infrastructure. The program challenges cadets to become critical thinkers who can design and implement computer systems and software to solve real-world technical problems.

This major includes managing information technology, understanding a systems approach, and achieving fluency with information systems. Research and capstone areas include such dynamic and diverse fields as security, physical systems, risk management, intelligence, policy, geospatial science, secure software development, and network security all within a cyber context.

DESIGNATIONS

- CAE-Cyber Defense

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