

LOEB-SULLIVAN SCHOOL OF

INTERNATIONAL BUSINESS & LOGISTICS

B.S. DEGREES

Marine Engineering Operations*
Marine Engineering Technology*
Power Engineering Operations
Power Engineering Technology

PROGRAMS OVERVIEW

If you are interested in how the world around you works or if you have ideas on how to improve the tools, appliances, and machines we use, you already have the qualities needed to become an outstanding engineer. As an engineer you'll be faced with significant and rewarding challenges such as taking charge of the controls, finding and fixing problems, or working to create new and better products. Not only will you learn to meet these challenges at Maine Maritime Academy, you will practice on real equipment, bringing theory to life.

Marine Engineering Operations (MEO)*

This major forms the foundation of all programs within the Engineering Department. You will learn to operate the power-generation, electrical, hydraulic, and many other engineering systems of a floating vessel. Although you'll train to be a specialist in marine engineering operations, you'll find that this major allows you ample flexibility to work in areas such as off-shore oil exploration, shoreside power generation, or business.

Marine Engineering Technology (MET)*

This major incorporates many courses from the MEO program, with additional courses in science, mathematics, communications, technical science, and laboratory testing methods. Students entering this major are interested in

working at sea with the option of becoming a shore-based technologist. The Marine Engineering Technology program is accredited by the Engineering Accreditation Commission of ABET (EAC of ABET), www.abet.org.

Power Engineering Operations (PEO)

This non-seagoing major is concerned primarily with the operation and maintenance of industrial steam and gas turbine power plants and with related electrical systems. Your classroom studies are closely coordinated with practical experience in laboratories. Successful completion of the program leads to the Bachelor of Science degree and, after passing a State of Maine examination, a 4th-Class Stationary Engineer's license.

Power Engineering Technology (PET)

This non-seagoing major includes most MEO courses, plus study of shoreside power plant operations and management. Your career opportunities as a power engineering technologist lie in utility power plants, biomass operations, and cogeneration systems. The Power Engineering and Technology program is accredited by the Engineering Accreditation Commission of ABET (EAC of ABET), <http://www.abet.org>.

** This major leads to a U.S. Coast Guard engineering license and requires participation in the Maine Maritime Academy Regiment of Midshipmen.*

SEA TIME AND CO-OP TRAINING

All candidates seeking a 3rd Assistant Engineer license from the U.S. Coast Guard are required to complete 180 sea days. Sea time is accomplished through specialized laboratories, simulation, and three distinct training cruises. Majors impacted by this training requirement include:

Marine Engineering Operations (MEO)
Marine Engineering Technology (MET)

Training Cruises: At the conclusion of the freshman and junior years, students gain sea experience aboard the college's Training Ship State of Maine. Scheduled during May and June for at least 60 days, training cruises typically include four domestic or foreign ports of call. Designed to develop practical skills required of a licensed seafaring officer, cruise activities directly involve students in the operation and maintenance of the ship. Regardless of your major, the first cruise — provides an overall orientation to both the deck and engineering aspects of a ship's operation. The training cruise experience at the conclusion of the junior year focuses on engineering training, watches, and maintenance.

Cadet Shipping: The second cruise experience, completed at the conclusion of the sophomore year, will place you aboard a commercial merchant ship, on an actual tanker, bulk carrier, container ship, or cruise liner. A vital element of your undergraduate education, this 60-day Cadet Shipping experi-