Through this 5-day course trainees will become knowledgeable in the operation of marine power plants, ship's auxiliary machine, and marine engineering terms. This course aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Il/2 of STCW 1995 for the function Navigation at the Officer in Charge of a Navigational Watch on vessels of 500 or more gross tonnage (ITC) Level. This course familiarizes deck officers with the fundamental principles of marine power plants to enhance overall shipboard operational safety through effective use and understanding of the propulsion, electric and auxiliary systems, and their inherent design limitations.

1. Diesel Engines
2. Steam Turbine Systems
3. Gas Turbines
4. Auxiliary Systems
5. Marine Engineering and Fuel Consumption

Successful completion of this 40-hour Operating Principles of Marine Propulsion Plants course will satisfy the Marine Propulsion Plants training requirements for STCW certification as Master or Chief Mate on vessels of 500 or more gross tonnage (ITC).

Course Tools Required
A clear mind ready to learn and retain a large volume of information.
Paper and pencil for note taking
A scientific calculator

Recommended Reading