



Electro-Technical Rating Course

This Electro-Technical Rating (ETR) course aims to provide a structured training program on the specific skills and competence for the acquisition of the required knowledge, understanding, and proficiency of candidates for certification as ETR in accordance with Regulation III/7 of the STCW'78 Convention, as amended.

Training Outcomes

To meet the minimum standard of competence for all trainees assigned to shipboard duties as required in Section A-III/7 of the STCW Code, this course is designed to enable them to demonstrate the competencies as Electro-Technical Rating successfully. Specifically, at the end of the course, the trainee must be able to:

Function 1 - Electrical, Electronic, and Control Engineering at the Support Level

- Safe use and operation of electrical equipment;
- Contribute to monitoring the operation of electrical systems and machinery; and
- Use hand tools, electrical and electronic measurement equipment for fault finding, maintenance and repair operations

Function 2 - Maintenance and Repair at the Support Level

- Contribute to shipboard maintenance and repair; and
- Contribute to the maintenance and repair of electrical systems and machinery on board.

Function 3 - Controlling the Operation of the Ship and Care for Persons Onboard at the Support Level

- Contribute to the handling of stores;
- Apply precautions and contribute to the prevention of pollution of the marine environment; and
- Apply occupational health and safety procedures.

Qualifications

Trainees intending to enroll in this course should meet the following requirements:

1. Holder of a diploma in any of the following:
 - Basic Education K-12 Program with Pre-baccalaureate Maritime Specialization in Science, Technology, Engineering, and Mathematics (STEM) strand; or
 - Technical Vocational Livelihood (TVL) Maritime Specialization; or
 - Technical and Vocational Education and Training (TVET) specializing in any of the following Electrical, Electronics or Instrumentation.
2. Medically fit to enable them to participate in all aspects of the training, particularly the practical exercises