

Marine Engineering Bridging Program (MEBP)

Introduction

The Marine Engineering Bridging Program (MEBP) has been designed and developed to bridge the competency gap and qualify candidates with Bachelor's Degree in Mechanical Engineering for certification as Officer in Charge of an Engineering Watch on a seagoing ship powered by main propulsion machinery of 750 kW propulsion power or more. It meets among others, all the minimum requirements for knowledge, understanding and proficiency in Table A-III/1 for the four (4) functions defined by the International Convention and Code of the Standard of Training, Certification and Watchkeeping for Seafarers (STCW) 1978, with the 2010 Manila Amendments for Officer in Charge of an Engineering Watch (OICEW) in a manned engine room or Designated Duty Engineer (DDE) in a periodically unmanned engine room at the operational level.

A graduate of the MEBP who has successfully completed the approved shipboard training programme will be eligible to sit for the Oral Examination at UAE Ministry of Energy & Infrastructure (MoEI) for the OICEW Certificate of Competency (COC).

MEBP graduates who wish to venture in a non-seafaring career may also pursue other professions such as:

- Ship technical superintendent
- Shipyard maintenance engineer
- Classification society surveyor
- Marine insurance surveyor
- Offshore engineer
- Engine maker specialist
- Port state control officer
- Power plant engineer
- Maritime academician

Program Content

- Engine Room Watchkeeping;
- General Marine Engineering Knowledge;
- Basic Safety and Survey Works;
- Main Propulsion Machinery;
- Auxiliary Machinery;
- Marine Electro-Technology;
- Maritime Law and International Maritime Conventions;
- Ship Construction and Stability;
- Electro-Technology Maintenance & Repair;
- Machinery Maintenance and Repair;
- Marine Automation and Control;
- Machine Shop Practice; and
- Engine Room Simulation

Course Duration

Six (6) months of academics plus Seagoing service as per MoEI regulation.

Entry Requirements

Mechanical Engineering degree from a UAE recognized institution.

Medically and physically fit with the required eye sight standards for both visual acuity and colour vision with test results as per the IMO, ILO, MLC 2006 and FMA. The medical examinations shall be conducted by any of the FMA Approved Medical Practitioner.

A valid English language proficiency certificate with a minimum score of either 1100 EmSAT, 5 IELTS, 500 TOEFL (PBT), 61 TOEFL (IBT), or 173 TOEFL (CBT).

Accreditation

The program is accredited by the UAE Ministry of Energy & Infrastructure (MoEI).