



CARIBBEAN MARITIME INSTITUTE



PROFESSIONAL SEAFARERS PROGRAMMES

Redefining Maritime Excellence Through Innovation

Officer in Charge of Navigational Watch

Phase I (Deck Cadet)

The course is an important step for persons wishing to develop a career in seafaring. Participants will be trained in the rudiments and theory of nautical studies and will learn all the basics of shipboard operations.

Objectives

To prepare participants for sea service / employment on seagoing vessels with the necessary qualifications to pursue further training to become deck officers

Entry Requirements

Candidates must have a minimum of one of the following:

- At least five (5) GCE O' Level or CXC subjects (Mathematics, English and three other subjects, preferably including two science subjects) or
- Preliminary Course of Study with a GPA of 2.4 (Sept. 2009). Candidates must successfully complete this course.
- Any other qualification deemed equivalent.

Candidates must also attend an interview at the Institute and successfully complete a week-long navy training exercise.

Course Content

One (1) year Academic Studies and Practical Training divided into two (2) semesters of 20 weeks

- Cargo Handling and Stowage
- Mathematics
- Watch-keeping
- Communication Skills
- Meteorology
- Coastal Navigation
- Celestial Navigation
- Ship Stability and Ship Construction
- Electronic Navigational Systems
- Ship Manoeuvring and Handling
- Physical Science

- Seamanship (Theory and Practice)
- Visual Signaling
- Information Technology
- Personal Safety & Social Responsibilities
- Personal Survival Techniques
- Fire Prevention and Fire Fighting
- Elementary First Aid
- Spanish

Phase II

Twelve (12) months at sea including six (6) months mandatory Bridge Watch-keeping duties.

Priority Tasks

- Navigation
- Watch keeping
- Safety and Environmental Protection
- Cargo Work
- Shipboard Maintenance

Other Tasks

- Tank Cleaning
- Entry into Enclosed Spaces
- Arrival and Departure activities
- Shipboard Maintenance

Operation and Maintenance of

- Fire fighting equipment
- Steering Gear Systems
- Deck Machinery and Equipment
- Life Saving Appliances

Phase III (Class III)

This course provides further education and training for Deck Officers at the Operational level.

Entry Requirements

Successful completion of Officer in Charge of Navigational Watch Phase I course with a minimum of 12 months qualifying sea service. For mature students, 36 months approved sea-going service of which not less than 6 months bridge watch-keeping duties.

Officer in Charge of Engineering Watch

Phase I (Engineering Cadet)

The course is an important first step for persons wishing to develop a career in seafaring. Participants will be trained in the rudiments and theory of marine engineering and will learn all the basics of marine engineering operations.

Objective

To prepare participants for further training as a cadet on seagoing vessels with the necessary qualification to pursue further studies to obtain certification as an officer in charge of an engineering watch.

Entry Requirements

Candidates must have a minimum of one of the following:

- At least five (5) GCE O' Level or CXC subjects (Mathematics, English and three other subjects, preferably including two science subjects) or
- Preliminary Course of Study with a GPA of 2.4 (Sept. 2009). Candidates must successfully complete this course.
- Any other qualification deemed equivalent.

Candidates must also attend an interview at the Institute and successfully complete a week-long navy training exercise.

Course Content

One (1) year Academic Studies and Practical Training divided into two (2) semesters of 20 weeks

- Mathematics
- Communication Skills
- Electrical Engineering Science
- Engineering Drawing
- Industrial Chemistry
- Hand and Power Tools

- Machine Tools
- Marine Engineering Maintenance
- Fabrication and Welding, Joining and Cutting
- Thermodynamics
- Mechanical Engineering Science
- Ship Construction and Stability
- Introduction to Ships and Ship Routines
- Personal Safety and Social Responsibilities
- Personal Survival Techniques
- Fire Prevention and Fire Fighting
- Elementary First Aid
- Seamanship
- Information Technology
- Spanish

Phase II

Minimum of six (6) months sea-going experience in the engine room of a merchant trading vessel.

Priority Tasks

- Safety and Environmental Protection
- Operation and Maintenance of Diesel Engines
- Maintenance and Operation of Auxiliary Systems

Other Tasks

- Tank Cleaning
- Entry into Enclosed Spaces
- Record of Oil Transfers
- Maintenance and servicing of generators
- Bunkering
- Emergency Procedures
- Maintenance and servicing of purifiers

Operation and Maintenance of

- Boilers
- Electrical Systems and Equipment
- Steering Gear Systems
- Pneumatic Systems
- Refrigeration and Air Conditioning Systems
- Spare Parts and Inventory Control
- Main Propulsion Systems

Phase III (Class III)

This course is designed to train junior engineer officers to be in charge of an engineering watch on ships of 750 kW propulsion power or more.

Entry Requirements

Successful completion of Phase I Officer in Charge of an Engineering Watch course or Mechanical Engineering Diploma with 6 months qualifying sea service in the engine department on a sea-going ship not less than 750 kW propulsion power or more.

Diploma in Transport with Logistics (Bridging)

This course is designed to upgrade the competence of Class III Deck Officers who have made or plan to make the transition from shipboard operations to land-based shipping operations.

The Diploma in Transport with Logistics is a full-time, five-months programme with special emphasis placed on Port Operations, Maritime Management, Maritime Law, Maritime Insurance, Commercial Shipping, International Trade and Finance, Economics of Shipping, Marine Pollution and Environmental Studies and Inter-modal Transportation.

Entry Requirements

Successful completion of the Officer in Charge of the Navigation Watch Phase III Course (STCW 78/95)

Diploma in Marine Engineering (Bridging)

This course is designed to upgrade the competence of persons who have completed the Associate of Applied Science Degree in Industrial Systems, Operation and Maintenance and are interested in a maritime career.

The Diploma in Marine Engineering is a full time, five-months programme with special emphasis on

Maritime Legislation, Ship Construction and Stability, Main and Auxiliary Marine Machinery, Safety and Emergency Response and Marine Pollution and Environmental Studies.

Entry Requirements

Successful completion of the Associate of Applied Science Degree in Industrial Systems, Operation and Maintenance course

OR

Completion of the Associate of Applied Science Degree in addition to showing the aptitude to do the standard of work required for the Diploma.

Multi-Purpose Ratings Course (MPR)

The Multi-Purpose Rating course is designed for persons who work or intend to work in the deck or engineering department on board merchant trading ships as ratings. (This is a five-months full time programme in collaboration with HEART/NTA.)

Entry Requirements

- 18 years of age (and over)
- Secondary School education
- Medical Certificate of Fitness
- Pass an Interview
- Clean Police Record

Course Content

- General Ship Knowledge
- Cargo Handling and Stowage (Cargo Work)
- Mathematics
- Data Entry and Retrieval
- Engineering Knowledge
- Workshop Technology
- Seamanship
- Communication Skills
- Introduction to Hospitality Management

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