

Maritime Services Training Institute (MSTI)

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Hong Kong Maritime Professions



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CAREER PATH OF DECK OFFICERS (SEAGOING VESSELS)





MASTER MARINERS

Certificate of Competency (Deck officer) Class 1

24-month sea time

CHIEF MATES

Certificate of Competency (Deck officer) Class 2





12-month sea time

Completed MSTI training course

Proficiency in Medical Care

2nd OFFICERS, 3rd OFFICERS, NAVIGATIONAL WATCHKEEPING OFFICERS

Certificate of Competency (Deck officer) Class 3

Completed 6 MSTI Pre-Sea training courses

(E.g. Maritime Resource Management)



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CADETS

Completed 5 MSTI training courses

(E.g. Personal Survival Technique)

2-year Higher Diploma in Maritime Studies

Maritime Services Training Institute (MSTI) under the Vocational Training



4-year BBA (Hons) in International **Shipping and Transport Logistics**

The Hong Kong Polytechnic University (PolyU)



¹ Maximum 12-month sea time remission for Chief Mate experience. ² Maximum 12-month sea time remission depending on modules taken.



CAREER PATH OF MARINE ENGINEER OFFICERS (SEAGOING VESSELS)



CHIEF ENGINEERS

24-month sea time

SECOND ENGINEERS

Certificate of Competency (Marine Engineer Officer) Class 2







12-month sea time

ENGINEERING WATCHKEEPING OFFICERS

Certificate of Competency (Marine Engineer Officer) Class 3

Completed 2 MSTI training courses

- · Maritime Resources Management
- · Proficiency in Survival Craft and Rescue Boats

CADETS

Completed 5 MSTI Pre-Sea training courses

(E.g. Personal Survival Technique)

2-year Higher Diploma Course in Mechanical Engineering (Marine Elective)

Institute of Vocational Education (IVE) (Tsing Yi) under the Vocationa Training Council (VTC)



4-year BEng (Hon) Degree Course in Mechanical Engineering

The University of Hong Kong (HKU)

The Hong Kong Polytechnic University (PolyU)

The Hong Kong University of Science and Technology (HKUST)











CAREER PATH OF RATINGS (SEAGOING VESSELS)

ABLE SEAFARERS (DECK)

Certificate of Proficiency as Able Seafarer (Deck)

18-month sea time, or 12-month sea time and completed approved training

NAVIGATIONAL WATCH RATINGS Navigational Watch Rating Certificate

2-month sea time

ABLE SEAFARERS (ENGINE)

Certificate of Proficiency as Able Seafarer (Engine)

l 2-month sea time, or 6-month sea time and completed approved training

ENGINE ROOM WATCH RATINGS

Engine Room Watch Rating Certificate

2-month sea time

Certificate for Junior General Purpose Ratings (23 Weeks)

Maritime Services Training Institute



Entrance Requirements:

Applicant must be a Hong Kong permanent resident, lawfully employable in Hong Kong, secondary 3 or above, above 16.5 of age, and able to pass an interview and simple eye sight and colour blindness tests.







SALARY OF SEAFARERS FOR SEAGOING VESSEL (2016 Average monthly salary in Hong Kong Dollar)

DECK OFFICERS		ENGINEER OFFICERS	
MASTER MARINERS	\$98,339	CHIEF ENGINEERS	\$85,911
CHIEF MATES	\$56,604	2nd ENGINEER OFFICERS	\$55,977
2nd OFFICERS	\$53,713	3rd ENGINEER OFFICERS	\$52,122
3rd OFFICERS	\$37,969	4th ENGINEER OFFICERS/	\$29,201
RATINGS(GENERAL PURPOSE)	\$13,474	junior engineers	

Source: The Mercantile Marine Office (MMO) of the Marine Department.



CAREER PATH OF COXSWAINS (LOCAL VESSELS)

COXSWAINS (VESSELS UP TO 1600 GROSS TONNAGE)

Coxswain Grade 1 Certificate



12-month sea time

Completed 3 MSTI training courses

(E.g. Personal Survival Techniques (Local Craft))



COXSWAINS (VESSELS LENGTH UP TO 24 METERS; 26.4 METERS IN TOTAL)

Coxswain Grade 2 Certificate

12-month sea time

COXSWAINS (VESSELS LENGTH UP TO 15 METERS; 16.5 METERS IN TOTAL)

Coxswain Grade 3 Certificate



COXSWAIN TRAINEES

9-month continuous in-service training



Local Vessel Coxswain Grade 3 Maritime Services Training Institute (MSTI)

Entrance Requirements: Local seafarers who are eligible for sitting the Marine Department's Coxswain Grade 3 Examination



Preparatory Course for Examination for Local Coxswain Grade 3 Certificate

Hong Kong Seamen's Union & Small Craft Workers Union

Entrance Requirements:

Local seafarers who are eligible for sitting the Marine Department's Coxswain Grade 3 Examination

Be able to prove to have a minimum of 1 month service on local vessels





CAREER PATH OF ENGINE OPERATORS (LOCAL VESSELS)

ENGINE OPERATORS (VESSELS POWER LESS THAN 3,000 kW)

Engine Operator Grade 1 Certificate

12-month sea time

Completed 3 MSTI training courses

(E.g. Fire Fighting (Local Craft))





Engine Operator Grade 2 Certificate

12-month sea time

ENGINE OPERATORS (VESSELS POWER LESS THAN 750 kW)

Engine Operator Grade 3 Certiticat

12-month sea time

ENGINE OPEARTOR TRAINEES

12-month continuous in-service training

Non-compulsory training course:

Local Vessel Engine Operator Grade 3 Maritime Services Training Institute

Entrance Requirements: Local seafarers who are eligible for sitting the Marine Department's Engine Operator Grade 3 Examination



Foundation Course for Local Engineer Operator Hong Kong Seamen's Union & Small Craft Workers Union

Entrance Requirements:

Local seafarers who are eligible for sitting the Marine Department's Engine Operator Grade 3 Examination



Be able to prove to have a minimum of 1 month service on local vessels



CAREER PATH OF RATINGS (LOCAL VESSELS)

MOTORMEN

SAILORS



Engine-room Watchkeeping for Local Craft Ratings;

Basic Safety Training for Local Craft Ratings

Maritime Services Training Institute





Certificate in Basic Training for Local Craft Ratings

Maritime Services Training Institute



Navigational Watchkeeping for Local Craft Ratings;

Basic Safety Training for Local Craft Ratings;

Efficient Deck Hand for Local Craft Ratings

Maritime Services Training Institute









The above are non-compulsory training courses. Applicant must be a Hong Kong permanent resident, lawfully employable in Hong Kong, and employed by a local shipping company.

SALARY OF SEAFARERS OF LOCAL VESSEL TRADE

2016 Average monthly income in Hong Kong Dollar

COXSWAINS

COXSWAINS	\$28,241
ASSISTANT COXSWAINS	\$24,1 <i>7</i> 5

ENGINEER OPERATORS

ENGINE OPERATORS	\$26,984
ASSISTANT ENGINE OPERATORS	\$20,573

SAILORS

SAILORS

\$18,674

Source: Vocational Training Council (VTC) Maritime Services Training Board
<2016 Manpower Survey Report Of The Maritime Industry>





VESSEL



Heavy Load Carrier

To transport large items that cannot be shipped by normal ships.



General Cargo Vessel

To carry packaged goods like foods, furniture, footwear, garments, etc.



Passengers Ferry

To provide inner harbour ferry services, excursion or other passenger services.



Tug Boat

To tow barges and ocean-going vessels to and from anchorages and ports, participate in marine infrastructure works, rescue at sea operations or venture in operations in other ports of the Mainland.



To provide transportation services of yachts.

Oil Product Tanker

To transport refined oil

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products from



Crude Oil Tanker

To transport unrefined

rude oil in bulk.

Container Ship

One type of Cargo Vessel. To transport goods in truck-size intermodal containers

Chemical Tanker

in bulk

To transport chemicals



Outlying Island Ferry, Passenger Ship

To provide ferry services to residents living on outlying islands or in remote areas



Dumb Lighter

A dumb lighter must be towed by a tug boat. It provides carriage and loading and unloading services for the logistics industry in Hong Kong and the Pearl River Delta Region. It also takes part in various marine construction works.



Dumb Lighter towed by Tug boat





Bulk Carrier

To transport unpackäged bulk cargo , such as grains, coal, ore, and cement.



Oil Carrier

Travelling between eight designated oil supply points to supply marine light diesel



To supply water to cruise vessels/sea-going vessels, etc



To assist sea-going Hong Kong so as to navigation within Hong Kong waters.



Vehicular Ferry

To provide cross-harbour services to vehicles with dangerous goods.



Pilot Boat

vessels enter or leave ensure their safe







Maritime Related Programmes and Training Courses

The Hong Kong Polytechnic University
BBA (Hons) in International Shipping and Transport Logistics
(4-year full-time programme)

Aims and objectives

International shipping and transport logistics management (BBA-ISTL) is an industry oriented programme with emphasis on practical skills, academic and professional knowledge necessary for employment in the maritime, shipping and logistics areas. While the primary focus is on the shipping and logistics industry, the transferable skills acquired in this programme will enable graduates to find employment in other businesses as well.

This programme equips students with-

- · A well-rounded business education with specialization in international shipping and logistics management.
- Sound knowledge of maritime transport and logistics along with a broad perspective of international transport and trade as well as maritime organization and personnel management skills.
- Transferable skills in relation to communication and presentation, leadership and teamwork, problem solving and effective use of information technology.

Professional Recognition

Graduates are granted full exemption from the Professional Qualifying Examination (PQE) (Logistics Stream) of The Chartered Institute of Logistics and Transport in Hong Kong (CILTHK).

Graduates are also granted partial exemption from the qualifying examinations of the following professional bodies:

- The Institute of Chartered Shipbrokers (ICS).
- Marine Department, The Government of the HKSAR remission of sea services for the purpose of attempting the Class 3 Certificate of Competency (Deck Officer) examination.

Graduates are also qualified to register as Associate Member of The Institute of Purchasing & Supply of Hong Kong (IPSHK).

Scholarships

The Hong Kong Nautical and Maritime Scholarship Scheme which includes the Seafaring Scholarship and the Maritime Scholarship implemented under the Maritime and Aviation Training Fund (MATF) provides incentive to students to pursue a seafaring career or develop their career in the maritime industry.







Vocational Training Council (VTC) – Maritime Services Training Institute (MSTI) Higher Diploma in Maritime Studies (2-year full-time programme)

Aims and objectives

This programme provides students with professional maritime knowledge, practical skills for shipboard operations and training on practices in maritime industries for the purpose of preparing them to pursue further study and development in the seafaring career and marine-related sectors. Graduates can serve in the merchant navy as deck cadets. They may also find their job opportunities in ship management / agency companies, ferry companies, stevedoring / sea freight agents, dockyards, warehousing / container terminals, fuel / inventory supply companies, marine consultancy companies, Marine Department or disciplinary forces of HKSAR, etc. Graduates can apply for admission to the BSc (Hons) Marine Operations Management offered by The Southampton Solent University, UK.

Professional Recognition

Graduates will be granted a remission of sea service by the Marine Department of Hong Kong SAR when appearing for the examination leading to the issue of Class 3 Deck Officer Certificate of Competency, Sea-going or River Trade.



Vocational Training Council (VTC) – Institute of Vocational Education (IVE) (Tsing Yi)

Higher Diploma in Mechanical Engineering
(2-year full-time programme)

Aims and objectives

The programme will provide students with the necessary knowledge and skills to become competent professionals in mechanical engineering. Upon completion of the programme, graduates will have acquired the necessary academic, technical and management knowledge and skills which enable them to secure employment in the technical / operational / market development and follow-up services functions in the

field of mechanical engineering. Graduates are normally employed as assistant engineers, technicians, supervisors in the areas of plant facilities repairs and maintenance, aircraft maintenance, E&M operation and maintenance, transportation and logistics etc. Graduates studied in elective modules "Marine Engineering Knowledge" and "Applied Thermo Fluids" can serve in the merchant navy as deck cadets to develop seafaring career.

Graduates can apply for admission to the relevant BEng (Hons) courses offered by local universities. Upon admission to relevant degree courses, graduates can apply for credit exemption. The level of exemption will be considered on individual basis.

