TRAINING CATALOGUE 2020
Training Excellence

Bernhard Schulte Shipmanagement (BSM) manages a large and diverse fleet for a number of prestigious customers. The fleet covers some of the world’s largest and most specialised vessels.

To ensure BSM is able to provide competent crew for these vessels, BSM is focused on providing the specialist skills and knowledge required which ensures our seafarers deliver the highest levels of performance and efficiency.

“Providing a modern and rewarding training environment with great facilities enhances our learners’ experience and gives better results”
Training Facilities

There are two main reasons why BSM has elected to operate its own Maritime Training Centres (MTCs).

Firstly, the quality of STCW training varies widely around the world. Maritime Administrations interpret the convention differently and in some cases only seek to satisfy the minimum requirements of the guidelines, resulting in poor quality of training in many cases. BSM has developed its MTCs to ensure its seafarers are provided with a higher quality of training. This also enables BSM to provide bespoke internal programmes that incorporate BSM policies and procedures, ensuring we deliver relevant, current and fit for purpose training to our fleet personnel.

Secondly, there is a real risk of the deterioration of knowledge and performance skills over time if initial and periodic refresher training is not scheduled correctly. Regularly attending professional training programmes enhances our seafarers’ grasp of new and challenging concepts and provides a more easily accessible opportunity to learn, understand and practice those concepts and procedures applied on board our vessels. Additionally, seafarers with lower performance ratings can be given the opportunity to close performance gaps and improve their individual competence.

Continuous training is a trusted best practice for developing competence for any role, seniority or experience level. Even our most experienced and senior seafarers have a continual need to develop the knowledge and skills required to perform their role competently as new technology is introduced. The maritime industry is constantly evolving, the adoption of technology grows and behavioral and learning styles change, there is a continuous need to ensure BSM proactively approaches the ongoing development needs of its seafarers.
Standardised Training Delivery

All BSM MTCs offer a wide variety of training programmes that support the smooth transition of seafarers between ranks and fleets. They also provide equipment and vessel specific training to facilitate ongoing professional development.

Career progression is further enhanced on board through our Competency Management System. Special emphasis is placed on courses beyond the normal STCW standards with the primary aim being to support and enhance the competence development of our seafarers from the outset of their careers and on a continuous basis.

Simulation training is of the utmost importance in modern shipping. With the wide range of operating systems present, even across the same fleet, and an ever increasing number of processes becoming automated, it is vital that personnel are competent on a variety of vessels and equipment.

Utilising simulation training, Deck and Engineering Officers gain the knowledge and performance skills required to serve on board in today’s technology-led shipping world.
BSM Maritime Training Centres

Cyprus
7 Saffi Street
3042 Limassol
Phone: +357 25 817 807
Fax: +357 25 745 245
email: cy-mtc-man@bs-shipmanagement.com

India
401 Olympia, Hirandani Gardens
Powai., Mumbai 400 076
Phone: +91 98 675 265 78
Fax: +91 22 400 173 33
email: in-mtc-man@bs-shipmanagement.com

Philippines
BSM House, 7th Floor
1965 Leon Guinto Street
Malate, Manila 1004
Phone: +632 51 65 636
email: ph-mtc-man@bs-shipmanagement.com

China
1-3F Block No. 7
1690 Cai Lun Road
Zhang Jiang, Pu Dong
Shanghai, 201203
Phone: +86 21 61061347
Fax: +86 21 61061300
email: cn-mtc-man@bs-shipmanagement.com
Career Progression

- Cadet Foundation Course
- Junior Officer Qualification Course
- Second Officer Qualification Course
- Senior Officer Course
- Master Foundation Course
- Command Course
- Third Engineer Qualification Course
- Chief Engineer Foundation Course
- Engine Management Course
- ETO Qualification Course
- Senior Ratings Course

STCW

- Advanced Fire Fighting
- Basic Training
- Basic Training - Refresher
- GMDSS Radio Operators - General Operator
- GMDSS Radio Operators - Restricted Operator
- Medical Care
- Medical First Aid
- Passenger Ship - Crowd Management Training
- Passenger Ship - Crisis Management and Human Behaviour
- Proficiency in Fast Rescue Boats
- Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats
- Radar and ARPA - Management Level
- Radar and ARPA - Operational Level
- Ratings Forming Part of an Engineering Watch
- Ratings Forming Part of a Navigational Watch
- Seafarers with Designated Security Duties
- Security Awareness
- Ship Security Officer
- Ship Simulator and Bridge Teamwork
Deck and Navigation

- Advanced Training for Ships Operating in Polar Waters (STCW)
- Basic Training for Ships Operating in Polar Waters (STCW)
- Bridge Resource Management - BSM Specific
- ECDIS Generic
- ECDIS Type Specific - Furuno
- Hazardous Atmosphere Monitoring
- Helmsman Training
- Ice Navigation and Operations
- Incident Investigation
- Large Vessel Handling
- Practical Use of GMDSS
- Risk Assessment
- Safe Mooring and Anchoring Operations
- Ship to Ship Operations
- Slinging and Lifting
- Tanker Vetting

Engineering and Electrotechnical

- Engine Room Resource Management - BSM Specific
- IMO Sulphur Cap 2020
- Marine Electronics
- MAN ME - C Control Systems Standard Operations
- MAN ME - C Engine Trouble Shooting
- WARTSILA RT-Flex Engine - Standard Operations

Liquified Cargo - Petrochemical

- Advanced Chemical Tanker Cargo Operations (STCW)
- Advanced Oil Tanker Cargo Operations (STCW)
- Basic Oil / Chemical Tanker Cargo Operations (STCW)
- FRAMO Cargo Pump Operator
- Crude Oil Washing and Inert Gas Systems
Liquified Cargo – Gas LPG / LNG

- Advanced Liquified Gas Tanker Operations (STCW)
- Basic LNG Cargo Operations - BSM
- Basic Liquified Gas Tanker Operations (STCW)
- Management of LNG Cargo Operations - BSM
- Management of Non-Standard LNG Cargo Operations - BSM
- LNG Tanker Operations - Management Level SIGTTO (LICOS)
- Liquified Cargo Operations

LNG Fueled Vessels

- Advanced Training for Service on Ships Subject to the IGF Code (STCW)
- Basic Training for Service on Ships Subject to the IGF Code (STCW)

Catering

- Baking and Pastry
- Chief Cook Qualification Course
- Chief Steward / Camp Boss Qualification Course
- Cook Refresher
- Food Safety, Sanitation and Hygiene
- Galley Resource Management
- Galley Resource Management Refresher
- International Cuisine Cooking
- Messman Qualification Course
- Second Cook Qualification Course

Under Development

- Safety Officer
- Practical Application of MARPOL
- Bulk Carrier Operations and Safety
- Vessel Inspections

Appendix

- Cadet Progression Path
CAREER PROGRESSION
CADET FOUNDATION COURSE

Description: This course prepares Officer Cadets as they transition between their training academy and first vessel. The course ensures Cadets are given the necessary knowledge and skills required to successfully complete the onboard sea training phase.

This course shortens the lead time to develop Junior Officers and ensures all Cadets have the necessary pre-requisite vocational skills to adapt to vessel life quicker.

Objective: Successful completion of this course will enable participants to:

▪ Apply essential pre-requisite knowledge prior to sea phase training
▪ Demonstrate the correct skills in safety, workshop tools, deck tools and equipment
▪ Safely use compressed air breathing apparatus and enter enclosed spaces
▪ Provide training records through electronic task books
▪ Understand and follow BSM procedures and methods
▪ Understand BSM IT based systems e.g. PAL, CMS
▪ Understand Human Element, leadership, communications and soft skills

Entry standards: Graduate students from Maritime Academies/Colleges. Successful completion of the Bernhard Schulte Selection Board.

Facilities: Classroom, Workshop and External training areas

Teaching methods: Classroom Lectures, Videos, Practical Exercises


Course duration: 12 weeks

Assessment: Ongoing / weekly assessments, written tests and evaluations.

Certification: Attendance Certificate.

Venue: This course is offered regularly at MTC Cyprus, MTC Manila and MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
JUNIOR OFFICER QUALIFICATION COURSE

Description: This course is for Officers who have recently completed their Cadetship sea period. It aims to consolidate already acquired knowledge and develop further skills in preparation for their first appointment as a qualified Junior Officer. The course ensures that the requisite knowledge of the duties and responsibilities of any Junior Officer holding a COC is confirmed. Additionally, BSM’s Safety Management System, practical leadership and management methods relevant to the role of a Junior Officer are taught.

Objective: Successful completion of this course will prepare participants to:

- Be able to understand and apply the roles and responsibilities of Third Officers or Fourth Engineers
- Apply theoretical and practical knowledge and use of safety equipment
- Apply soft skills, communication and proper organisation
- Promote a strong safety culture through clear understanding of BSM procedures and processes.

Entry standards: Holder of Officer in Charge of a Watch (OIC) or equivalent COC. At least one recommendation for promotion.

Facilities: Classroom, workshop facility, practical exercise areas, bridge and engine simulators.

Teaching methods: Classroom lectures, videos, practical exercises.

Guidelines: STCW Table A-Il/1 and A-III/1.

Course duration: 15 Days

Assessment: Ongoing assessments and final examination.

Certification: Attendance certificate.

Venue: This course is offered regularly in MTC Cyprus, MTC Manila and MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
SECOND OFFICER QUALIFICATION COURSE

Description: This course prepares experienced Third Officers for the position of Second Officer. It provides participants with improved knowledge and skills in Bridge procedures and increases their level of competence and confidence as an Officer of the Watch. The course also provides enhanced knowledge and training in the practical application of cargo operations at an operational level.

Objective: By the end of the course students will be able to:

- Conduct passage planning using ECDIS and prepare voyage reporting in PAL
- Calculate tides, currents and use weather routing systems
- Recognise their responsibilities for operating, maintaining and managing bridge equipment
- Conduct celestial navigation and calculate compass error
- Manage safe mooring and anchoring operations
- Know and understand ship inspection procedures (PSC, USCG and Vetting)
- Apply MRM and demonstrate effective leadership, management and communication skills
- Know how to manage medical and hospital facilities on board

Entry standards: 12 months sea experience as a Third Officer.

Facilities: Classroom, Bridge simulators, e-learning.

Teaching method: Classroom Lectures, simulator exercises.


Course duration: 5 days.

Assessment: Written and practical exams and final examination. Post course assignments.

Certification: MTC course certificate once post course assignments are completed.

Venue: This course is offered regularly in MTC Cyprus, MTC India and MTC Manila. Please contact your local Crew Service Centre for the next available course.
SENIOR OFFICER COURSE

Description: This course aims to support the smooth transition of officers from an operational level to a management level. It provides training to further enhance the understanding and application of industry best practices and BSM procedures. The course further aims to develop leadership and management skills as well as enhance organisational effectiveness covering MRM methods, teamwork and management including appraisal techniques.

This course also includes a post-course on board evaluation. The course helps improve on board safety and builds loyalty for the company and improves return on investment.

Objective: Successful completion of this course will prepare participants to:

- Understand the role and responsibilities of Management level Officers
- Carry out the roles of the On Board Training Officer, Safety Officer and Environmental Officer when required
- Apply enhanced leadership and management skills
- Demonstrate knowledge through practical exercises in bridge and engine simulators
- Demonstrate enhanced knowledge of fire fighting and safety equipment
- Apply a strong safety and ‘Just Culture’ through clear understanding of BSM policies, procedures and processes
- Deliver more efficient and effective ship operations

Entry standards: Third Engineers and Second Officers holding Management Level COC, before promotion to Second Engineer or Chief Officer positions. Also available for existing Second Engineers or Chief Officers at the request of an SMC.

Facilities: Classroom, workshop facility, practical exercise areas, bridge and engine simulators.

Teaching methods: Classroom lecture, videos, practical exercises

Guidelines: STCW Table A-II/2 and A-III/2. IMO Model Course – Leadership and Management 2014

Course duration: 15 Days

Assessment: Ongoing assessments and final examination. Each candidate’s attitude and behaviour will be evaluated throughout the course. Post-course assignments.

Certification: Attendance certificate.

Venue: This course is offered regularly in MTC Cyprus, MTC Manila and MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
The Master Foundation Course is the first stage in the Chief Officer to Master promotion process. The course sets the career development path for Chief Officers who are preparing for command of a vessel. The course provides knowledge and understanding of key areas to allow focus on developing the appropriate experience at sea prior to delivery of the Command Course.

After successful completion of this course participants will have the necessary competence to be able to:

- Understand the role and responsibilities of the Master position
- Know key international maritime legislation
- Apply good leadership, management, communication and ship organisation techniques
- Comply with BSM procedures and performance standards
- Promote a strong safety and ‘Just Culture’ ensuring implementation of company core values and strategies

One contract seagoing experience as Chief Officer on board a BSM vessel.

Classroom, bridge simulators.

Lectures, simulator exercises.


5 days.

Ongoing assessments and final examination. Post course assignments.

MTC course certificate once post course assignments are completed.

This course is offered regularly in MTC Cyprus, MTC India and MTC Manila. Please contact your local Crew Service Centre for the next available course.
COMMERCIAL COURSE

Description: The Command course further develops Chief Officers to prepare them for promotion to Master. It provides candidates with a broader understanding of the legal and commercial aspects of shipping, ship handling techniques as well as leadership and management skills. The course also includes auditing techniques, incident investigation and reviews various case studies.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

▪ Take command of a vessel
▪ Comply with BSM procedures and performance standards
▪ Apply relevant rules and regulations
▪ Understand the application of insurance, chartering and maritime law
▪ Deliver competence beyond STCW requirements in their role as Master
▪ Demonstrate ship handling techniques
▪ Promote a strong safety and ‘Just Culture’ ensuring implementation of company core values and strategies

Entry standards: 12 months sea experience as Chief Officer with at least 2 recommendations for promotion. Completion of ship handling on board demonstrated by TRM-01 Ship handling records.

Facilities: Classroom, bridge simulators.

Teaching method: Classroom Lectures, structured simulator exercises.


Course duration: 10 days.

Assessment: Ongoing assessments and final examination. Post course assignments.

Certification: MTC course certificate once post course assignments are completed.

Venue: This course is offered regularly in MTC Cyprus, MTC India and MTC Manila. Please contact your local Crew Service Centre for the next available course.
THIRD ENGINEER QUALIFICATION COURSE

Description: This course prepares Junior Engineers for accelerated promotion to Third Engineer position. It consolidates and develops further knowledge and competency for carrying out the duties and responsibilities of a Third Engineer. It further develops understanding and proficiency of key engine room equipment.

Objective: Successful completion of this course will enable participants to:

▪ Describe, understand and apply the essential requirements of the Third Engineer position
▪ Understand engineering operations through simulated exercises
▪ Know auxiliary machinery operation and their controls
▪ Carry out corrective and planned maintenance routines
▪ Carry out basic fault diagnosis and troubleshooting
▪ Apply all elements of MARPOL procedures and regulations
▪ Apply correct operation of OWS and accurate completion of the ORB
▪ Manage the engine room, resource plan and understand UMS procedures
▪ Demonstrate safety, risk assessment, leadership and teamworking skills

Entry standards: Junior Engineers holding a COC under STCW A-III/1, 6 months sea experience as Junior Engineer gaining at least two recommendations for promotion. Also suitable for Fourth Engineers before promotion at the request of an SMC.

Facilities: Classroom, Engine Simulator, videos

Teaching method: Classroom lectures, videos, case studies practical simulated exercises

Guidelines: STCW A-III/1, IMO Model Courses 2.07, 7.02 and Leadership and Teamwork 2014

Course duration: 10 days.

Assessment: Written test, practical evaluation and assessments, post-course assignments.

Certification: Attendance certificate on completion of evaluation and exams.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
CHIEF ENGINEER FOUNDATION COURSE

Description: This course provides the knowledge, understanding and proficiency which is essential to support personnel who are undertaking career development towards Chief Engineer. The course includes technical skills while handling various main and auxiliary machinery in a simulator, as well as essential administrative, documentation and planning procedures.

Objective: Successful completion of this course will enable participants to:

▪ Describe, understand and apply the essential requirements of the Chief Engineer position
▪ Focus sea experience on the promotion path towards Chief Engineer
▪ Identify good administrative procedures, management systems and planning processes
▪ Apply technical and practical skills
▪ Manage maintenance through a Planned Maintenance System
▪ Apply environmental control and energy saving principles

Entry standards: 6 months sea time as Second Engineer, holding COC under STCW A-III/2

Facilities: Classroom, Engine Simulator

Teaching method: Classroom lectures, videos, case studies practical simulated exercises

Guidelines: STCW Tables A-III/1 and 2, IMO Model Courses 2.07 and 7.02

Course duration: 5 days.

Assessment: Written test, practical evaluation, post-course assignments

Certification: Attendance certificate on completion of evaluation and exams.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
ENGINE MANAGEMENT COURSE

Description: This course is aimed at experienced Second Engineers before promotion to Chief Engineer. It further develops the engineering knowledge and skills as well as administrative and documentation requirements essential for a Chief Engineer position. The course also includes application of management and soft skills including legal/regulatory requirements.

Objective: Successful completion of this course will enable participants to:

▪ Describe, understand and apply the essential requirements of the Chief Engineer position
▪ Apply leadership, teamwork and Resource Management techniques
▪ Demonstrate effective planning and departmental organisation
▪ Apply environmental and energy saving principles
▪ Contribute to more efficient and effective ship operations

Entry standards: 12 months sea experience as Second Engineer. Minimum of two recommendations for promotion.

Facilities: Classroom, Engine Simulator,

Teaching method: Classroom lectures, videos, case studies practical simulated exercises

Guidelines: STCW A-III/1 and 2, IMO Model Courses 2.07, 7.02 and Leadership and Teamwork 2014

Course duration: 5 days.

Assessment: Written test, practical evaluation and assessments, post-course assignments.

Certification: Attendance certificate on completion of evaluation and exams.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
ETO QUALIFICATION COURSE

Description: This course provides training, knowledge and skills in preparation for promotion to ETO. The course provides enhanced understanding of various electrical concepts and safe working practices. It focusses on effective management of routine electrical maintenance, fault finding and fault rectification of various shipboard machinery and equipment, including deck machinery and navigational equipment.

Objective: Successful completion of this course will enable participants to:

- Fully comprehend the role of the ETO as described in STCW Table A-III/6
- Understand electrical and safety concepts
- Use electrical measuring equipment
- Comprehend electrical drawings
- Carry out fault finding in electrical control circuits and power distribution systems
- Carry out vessel routine maintenance
- Operate computers and computer networks
- Operate internal communication systems

Entry standards: Hold COC under STCW A-III/6, six months sea experience as Junior ETO

Facilities: Classroom, Engine Simulator, Electrical workshop

Teaching method: Classroom lectures, videos, case studies practical exercises

Guidelines: STCW A-III/6, IMO Model Course Electro-Technical Officer 2014

Course duration: 5 days.

Assessment: Written test, practical evaluation and assessments, post-course assignments.

Certification: Attendance certificate on completion of evaluation and exams.

Venue: This course is offered regularly in MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
SENIOR RATINGS COURSE

Description: This course is for existing Senior Ratings or those Ratings about to be promoted to Senior Rating positions and aims to consolidate knowledge and develop skills to ensure consistent and better performance. The focuses on the necessary human element, leadership and supervisory skills required to better support officers.

Objective: Successful completion of this course will enable participants to:
- Understand and apply the roles and responsibilities of a senior rating
- Apply human element, leadership, communication and soft skills
- Conduct Tool Box Meetings and supervise work
- Understand the role of a Supervisor and Safety Representative
- Apply and promote Behaviour Based Safety in the workplace
- Carry out risk assessments and follow workplace evaluation procedures
- Carry out safe operation and maintenance of tools and equipment
- Provide organisation and resource planning
- Conduct safe lifting operations
- Participate in Safety Committee Meetings as a representative of the crew

Entry standards: Bosun, Fitter, Pump man, Chief Cook, or Ratings being promoted to these positions.

Facilities: Classroom, practical exercise areas for lifting, loose lifting gear, compressed air breathing apparatus, smoke exercise area.

Teaching methods: Classroom lecture, videos, various examples, table-top and practical exercises

Guidelines: IMO Model Course – Leadership and Management 2014

Course duration: 3 Days

Assessment: Ongoing assessments and final examination. Post-course assignments.

Certification: Attendance certificate.

Venue: This course is offered regularly in MTC Cyprus, MTC Manila, MTC Mumbai and MTC China. Please contact your local Crew Service Centre for the next available course.
STCW
ADVANCED FIRE FIGHTING

Description: The STCW Advanced Fire Fighting Course forms part of the training required for Deck and Engineering Officers who wish to qualify for a Certificate of Competency and crew who are designated to control firefighting operations.

Objective: This course includes training in the following areas:

- Elements of combustion
- Fire classification and extinguishing agents
- Command and Control
- The effect of water on ship stability
- Casualty evacuation methods
- Liaison with shore based fire fighting organisations
- Procedures for fighting fires both at sea and when in port
- Compiling fire reports
- Control and training of fire parties
- First aid fire fighting equipment and Fire fighting techniques
- Fixed systems and detection equipment
- Legislation regarding merchant shipping and vessels

Entry standards: Medically fit for sea service, completion of STCW Basic Fire Fighting Training

Facilities: Classroom, Fire Training Area

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/3. SOLAS, IMO Model Course 2.03

Course duration: 3 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
BASIC TRAINING

Description: STCW Basic Safety Training is the standard emergency, safety and survival training which is compulsory for anyone working at sea. This course covers all requirements of STCW for certification in Basic Training:

- Personal Survival Techniques (A-VI/1-1)
- Fire Prevention and Fire Fighting (A-VI/1-2)
- Elementary First Aid (A-VI/1-3)
- Personal Safety and Social Responsibilities (A-VI/1-4)

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Identify emergency signals and raise the alarm in all emergency situations
- Communicate effectively in emergency situations
- Safely abandon ship and survive in a life raft or lifeboat until rescued
- Apply fire prevention techniques and fight fires on board ship
- Correctly don and use Compressed Air Breathing Apparatus
- Apply immediate first aid upon discovery of a casualty
- Identify enclosed spaces on board a ship and precautions to take before entry
- Identify procedures for hot work on board a ship
- Fully comprehend the permit to work system
- Take precautions to prevent pollution of the marine environment
- Observe safe working practices

Entry standards: Medically fit for sea service

Facilities: Classroom, fire ground with enclosed spaces

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/1. SOLAS, The ISM Code, The LSA Code, The FSS Code, COSWP. IMO Model Courses 1.13, 1.19, 1.20 and 1.21

Course duration: 8 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
BASIC TRAINING REFRESHER

Description: This course refreshes all requirements of STCW for re-certification of Basic Training, this includes:

- Personal Survival Techniques (A-VI/1-1)
- Fire Prevention and Fire Fighting (A-VI/1-2)
- Elementary First Aid (A-VI/1-3)
- Personal Safety and Social Responsibilities (A-VI/1-4)

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Identify emergency signals and raise the alarm in all emergency situations
- Communicate effectively in emergency situations
- Safely abandon ship and survive in a life raft or lifeboat until rescued
- Apply fire prevention techniques and fight fires on board ship
- Correctly don and use Compressed Air Breathing Apparatus
- Apply immediate first aid upon discovery of a casualty
- Identify enclosed spaces on board a ship and precautions to take before entry
- Identify procedures for hot work on board a ship
- Fully comprehend the permit to work system
- Take precautions to prevent pollution of the marine environment
- Observe safe working practices

Entry standards: Medically fit for sea service. Completion of STCW Basic Training

Facilities: Classroom, fire ground with enclosed spaces

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/1. SOLAS, The ISM Code, The LSA Code, The FSS Code, COSWP. IMO Model Courses 1.13, 1.19, 1.20 and 1.21

Course duration: 2 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
GMDSS RADIO OPERATORS – GENERAL OPERATOR

Description: The GMDSS Radio Operator qualification is required for professional mariners including Merchant Navy Deck Officers, offshore radio operators serving on mobile platforms and commercial yacht Masters.

This course enables operators to demonstrate their competence to carry out the duties and responsibilities of a Radio Operator.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Understand the procedures in the Radio Regulations and Safety of Life at Sea (SOLAS)
- Apply search and rescue radiocommunications procedures
- Mitigate the transmission of false distress alerts
- Carry out practical operation of the GMDSS systems
- Use the International Code of Signals and the IMO Standard Marine Communication Phrases
- Provide radio services during abandon ship and fire on board ship

Entry standards: Hold relevant Deck Officer COC.

Facilities: Classroom, radio communications equipment, GMDSS Simulator

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter IV, Section A-IV/2. SOLAS, IMO Model Course 1.25, Radio Regulations

Course duration: 15 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
GMDSS RADIO OPERATORS – RESTRICTED OPERATOR

Description: This course provides the knowledge, understanding and proficiency to achieve the GMDSS Restricted Operator Qualification. It is designed for mariners who will be operating within GMDSS Area A1 (VHF range) only. The course complies with the requirements of the STCW and the Radio Regulations.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Understand the Radio Regulations and procedures relating to Safety of Life at Sea (SOLAS)
- Demonstrate knowledge of VHF/HF/MF/satellite radiotelephony and telex
- Apply search and rescue radiocommunications procedures
- Apply procedures for the use of maritime mobile services
- Mitigate the transmission of false distress alerts
- Carry out practical operation of the GMDSS systems
- Use the International Code of Signals as well as IMO Standard Marine Communication Phrases (SMCP)
- Provide radio services during abandon ship and fire on board ship

Entry standards: Hold relevant Deck Officer COC

Facilities: Classroom, radio communications equipment, GMDSS Simulator

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter IV, Section A-IV/2. SOLAS, IMO Model Course 1.26, Radio Regulations

Course duration: 5 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
MEDICAL CARE

Description: This training is for seafarers with the responsibility of the medical care on board of a ship who are required to participate effectively in coordinated schemes for medical assistance on ships at sea and to provide the sick or injured with a satisfactory standard of medical care while they remain on board.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Take care of a casualty who has suffered head and spinal injuries or injuries of the ear, nose, throat or eyes, burns, scolds, fractures and internal bleeding
- Apply techniques for sewing and clamping of wounds
- Carry out minor surgical treatment
- Manage acute abdominal conditions
- Apply aspects of nursing and care for patients, including rescued persons
- Knowledge and treatment of sexually transmitted, tropical and infectious diseases
- Actions and treatment to mitigate alcohol and drug abuse
- Carry out dental care
- Address gynecology, pregnancy and child birth
- Carry out disease prevention including disinfection, disinfestation and de-ratting
- Administer vaccinations
- Keep medical records and copies of international medical regulations

Entry standards: Completion of STCW basic training course, completion of STCW Medical First Aid course.

Facilities: Classroom

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/4 and Table A-VI/4-1. IMO Model Course 1.15, IMDG Code MFAG (Medical First Aid Guide)

Course duration: 5 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
MEDICAL FIRST AID

Description: This course is open to all seafarers who are designated to provide medical first aid on board ship.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Understand the contents and use of a first aid kit
- Understand the body structure and function of organs
- Deal with medical emergencies and examine a casualty
- Assign priorities for treatment regards wounds or number of casualties
- Transport a casualty
- Apply basic life support (CPR)
- Attend to a casualty after drowning or asphyxia
- Apply shock management to a casualty
- Apply bandages, dress wounds, stem bleeding
- Treat burns and scalds and understand the effects of heat and cold
- Seek and apply radio medical advice

Entry standards: Hold relevant Deck or Engine Officer CoC, or experience in key rating position. Completion of STCW Basic Training course

Facilities: Classroom and practical exercises

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/4 and Table A-VI/4-1. IMO Model Course 1.14, IMDG Code MFAG (Medical First Aid Guide)

Course duration: 3 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
PASSENGER SHIP - CROWD MANAGEMENT TRAINING

Description: Crowd Management Training is required for all personnel designated to assist passengers in an emergency as per STCW. This course provides seafarers and staff with the necessary knowledge, understanding and proficiency to carry out designated duties and help ensure safety on board passenger ships in accordance with international regulations leading to certification.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Apply crowd management techniques and give clear reassuring orders
- Understand musters lists and emergency instructions
- Communicate with passengers and where necessary use hand signals
- Search for passenger in accommodation areas and public spaces
- Manage passengers in corridors, staircases and passageways
- Maintain clear escape routes
- Assist disabled persons or persons needing assistance during evacuation
- Understand mustering procedures, keeping order and avoiding panic
- Ensure passengers are suitably dressed and wearing life jackets properly
- Assist passengers when boarding survival craft

Entry standards: Completion of STCW Basic Training

Facilities: Classroom

Teaching method: Lectures, videos, practical examples and exercises.

Guidelines: STCW Chapter V, Table A-V/2-1. IMO Model Course 1.28

Course duration: 1 day.

Assessment: Written assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
PASSENGER SHIP - CRISIS MANAGEMENT AND HUMAN BEHAVIOUR

Description: This course is required for Senior Officers or any person having responsibility for the safety of passengers in emergency or crisis situations and meets the requirements of STCW.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Apply emergency plans and procedures
- Knowledge of the general design and layout of the ship
- Conduct drills and follow pre-planned emergency procedures
- Identification of stress development among passengers and crew
- Communicate and control situations involving passengers and crew members
- Optimize the full use of resources, people and equipment
- Control response to emergencies
- Deal with crowds in an emergency

Entry standards: Completion of STCW Basic Training

Facilities: Classroom

Teaching method: Lectures, videos, practical examples and exercises.

Guidelines: STCW Chapter V, Table A-V/2-2. IMO Model Course 1.29

Course duration: 1.5 days.

Assessment: Written assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
PROFICIENCY IN FAST RESCUE BOATS

Description: This course provides the necessary knowledge, understanding and proficiency to operate Fast Rescue Boats to comply with the requirements of the STCW.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Apply the principles of safety with rescue boats during emergencies, training and drills
- Control safe launching and recovery of a fast rescue boat
- Right a capsized fast rescue boat
- Handle a fast rescue boat in prevailing weather and sea conditions
- Swim in special equipment
- Use the emergency equipment carried in a rescue boat
- Recover a casualty from the water and transfer a casualty to a helicopter, ship or other place of safety
- Carry out search patterns, taking into account environmental factors
- Start and operate the engine of a fast rescue boat including inboard and outboard engines

Entry standards: Medically fit for sea service, completion of STCW Basic Training, STCW Certificate of Proficiency in Survival Craft and Rescue Boats.

Facilities: Classroom, practical training area

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/2. SOLAS, IMO Model Course 1.24

Course duration: 4 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
PROFICIENCY IN SURVIVAL CRAFT AND RESCUE BOATS OTHER THAN FAST RESCUE BOATS

Description: The aim of this course is to provide training for those who are assigned to crew a ship's lifeboat and rescue boat, other than a fast rescue boat, with the knowledge and skills to safely and efficiently launch and take charge of the lifeboat and rescue boat in emergency situations. The course will also provide the student with knowledge and skills to safely launch a freefall lifeboat.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Apply the principles of safety during emergencies, training and drills
- Ensure operational readiness of survival craft
- Take charge of launching and recovery of survival craft and rescue boats
- Understand the working of lifeboat engines and accessories including rescue boat engines
- Handle survival craft and rescue boats in all weather conditions
- Apply methods of rescue from survival craft by helicopter
- Use radio equipment including GMDSS
- Apply first aid and understand how to recognize and treat hypothermia
- Coordinate drills in launching and recovery of life boats, life rafts and rescue boats

Entry standards: Medically fit for sea service, completion of STCW Basic Training, 6 months approved sea service.

Facilities: Classroom, communications equipment, life boats, rescue boats and survival equipment

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/2. SOLAS, IMO Model Course 1.23

Course duration: 3 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
RADAR AND ARPA - MANAGEMENT LEVEL

Description: This course is principally intended for candidates for certification as Master or Chief Officer on seagoing ships as an element of STCW A-II/2 adding to ship board experience and formal training under STCW A-II/1.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Have an appreciation of system errors and thorough understanding of the operational aspects of navigational systems including Radar and Automatic Radar Plotting Aids (ARPA)
- Plan and conduct blind pilotage
- Evaluate navigational information from Radar and ARPA
- Make appropriate decisions and give directions for collision avoidance

Entry standards: Holders of a COC based on the requirements of STCW A-II/1 or 2. 12 months approved seagoing service.

Facilities: Classroom, Bridge Simulator

Teaching method: Lectures, videos, practical simulated exercises.

Guidelines: STCW Chapter II, elements of Table A-II/2, Function: ‘Maintain Safe Navigation through the use of Navigation Equipment’. COLREGS, IMO Model Course 1.08

Course duration: 5 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
RADAR AND ARPA - OPERATIONAL LEVEL

Description: This course provides training in the basic theory and use of radar for those who will be in charge of a navigational watch. The course is based on the provisions of section A-I/12 of STCW regards the use of simulators.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Understand the fundamentals of Radar and Automatic Radar Plotting Aids
- Operate and analyse information obtained from a marine radar system
- Set up and operate radar in accordance with manufacturer's Instructions
- Set up and maintain radar displays
- Perform manual radar plotting
- Use radar to ensure safe navigation including the application of Parallel Indexing
- Use radar to avoid collisions or close encounters and the application of the Collision Regulations

Entry standards: Holders of a COC based on the requirements of STCW A-II/1

Facilities: Classroom, bridge simulator

Teaching method: Lectures, videos, practical simulated exercises.

Guidelines: STCW Chapter II, elements of Table A-II/1, Function: ‘Use of Radar and ARPA’. COLREGS, IMO Model Course 1.07

Course duration: 5 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
RATINGS FORMING PART OF AN ENGINEERING WATCH

Description: This training provides the necessary competence, knowledge and skills for certification of a Rating performing part of an engineering watch in accordance with Reg. III/4 of STCW.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Understand terms used in machinery spaces, names of machinery and equipment
- Follow engine room watchkeeping procedures
- Follow safe working practices
- Understand basic environmental protection procedures
- Use internal communications systems
- Understand UMS in machinery spaces
- Identify various alarm systems
- Safely operate boilers
- Follow emergency duties and responsibilities
- Escape for machinery spaces and use EEBD
- Be familiar with and use fire fighting equipment in machinery spaces

Entry standards: Medically fit for sea service
Facilities: Classroom, Engine Simulator, Fire Training Ground
Teaching method: Lectures, videos, practical exercises.
Course duration: 12 weeks.
Assessment: Written exams and practical assessments.
Certification: BSM course certificate is issued on successful completion, once evidence of a minimum of 3 months sea service is provided then local Maritime Administration will issue STCW endorsement
Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
RATINGS FORMING PART OF A NAVIGATIONAL WATCH

Description: This training provides the necessary competence, knowledge and skills for certification of a Rating performing part of a navigational watch in accordance with Reg. II/4 of STCW.

Objective: After successful completion of this course participants will have the necessary competence to be able to:

- Use a magnetic compass and follow helm orders
- Change over from auto steering to hand steering and visa versa
- Carry out the duties of a lookout and properly report sightings or sounds
- Use internal communication systems
- Understand shipboard terms and definitions
- Operate emergency bridge equipment and follow emergency duties
- Follow environmental protection procedures

Entry standards: Medically fit for sea service

Facilities: Classroom, Bridge Simulator and/or Steering Console

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter II, Section A-II/4. COLREGS, SOLAS, The ISM Code, COSWP

Course duration: 12 weeks.

Assessment: Written exams and practical assessments.

Certification: BSM course certificate is issued on successful completion, once evidence of a minimum of 3 months sea service is provided then local Maritime Administration will issue STCW endorsement

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
SEAFARERS WITH DESIGNATED SECURITY DUTIES

Description: This course provides the necessary competence for personnel on ships who are undertaking Designated Security Duties which meets the knowledge, understanding and proficiency requirements set out in STCW and the ISPS Code.

Objective: On successful completion of this course, participants will be able to:

- Participate in on board training and drills
- Carry out the duties of a gangway security watch, checking ID, recording visitors
- Carry out regular inspections of the ship and identifying vulnerabilities
- Use security equipment
- Carry out searches of the vessel
- Understand security related information and report security related concerns
- Apply knowledge of security related contingency plans
- Apply knowledge of security threats, including piracy and armed robbery
- Recognise weapons and dangerous substances and apply contingencies

Entry standards: Completion of STCW Basic Training and STCW Security Awareness Course

Facilities: Classroom

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/6 and Table A-VI/6-2. IMO Model Course 3.26, SOLAS, The ISPS Code

Course duration: 1.5 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
SECURITY AWARENESS

Description: This course provides the necessary knowledge for personnel intending to work on ships who will not have any designated security duties.

Note: All seafarers employed or engaged in any capacity on ships required to comply with the ISPS code are required to undertake the Proficiency in Security Awareness course.

Objective: After successful completion of this course participants will be able to/have:

- Participate in on board training and drills
- Assist with searches of the vessel if required
- Understand security related information and report security related concerns
- A basic knowledge of security related contingency plans
- A basic knowledge of security threats, including piracy and armed robbery
- A basic knowledge of weapons and dangerous substances

Entry standards: Completion of STCW Basic Training

Facilities: Classroom

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/6 and Table A-VI/6-1. IMO Model Course 3.27, SOLAS, The ISPS Code

Course duration: 0.5 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
SHIP SECURITY OFFICER

Description: This course is intended for seafarers working on board vessels requiring qualification and employment as a Ship Security Officer

Objective: On successful completion of this course participants will be able to:

- Demonstrate knowledge of security related regulations and vessel flag requirements
- Carry out ship security assessments and audits of security systems
- Create Ship Security Plans (SSP) and knowledge of all elements of an SSP
- Apply ship and port facility security measures for each security level
- Carry out searches of the vessel, personnel, baggage and stores
- Recognise behavioural patterns of people likely to threaten security
- Detect weapons and explosives
- Use, Test and calibrate security equipment and systems
- Carry out regular security rounds and inspections of the vessel
- Investigate breaches of security

Entry standards: Completion of STCW Basic Training, STCW Security Awareness Course and STCW Seafarers with Designated Security Duties Course

Facilities: Classroom

Teaching method: Lectures, videos, practical exercises.

Guidelines: STCW Chapter VI, Section A-VI/5 and Table A-VI/5. IMO Model Course 3.19, SOLAS, The ISPS Code.

Course duration: 3 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
SHIP SIMULATOR AND BRIDGE TEAMWORK

Description: This course provides participants with basic and advanced knowledge of ship handling principles and manoeuvring different types of ships in different weather conditions and scenarios. It also practices use of different propulsion systems when mooring or anchoring with and without tugs in complex areas and conditions. The course also cover bridge teamwork methods and best practice techniques.

Objective: On successful completion of this course participants will be able to:
- Understand the basic principles and forces acting to a ship
- Apply standard manoeuvring techniques in varying conditions
- Understand the effects of Wind and Current on a vessel
- Understand the effects of Shallow Water and Squat
- Understand the effects of Bank and canal effects and ship to ship interaction
- Use propulsion systems and rudders to control movement of the ship
- Handle large vessels
- Safely use tugs during mooring operations
- Use communication equipment
- Understand teamwork nest practice methods

Entry standards: Holders of a COC based on the requirements of STCW A-II/1 or 2, 12 months approved seagoing service.

Facilities: Classroom, bridge simulator, ECDIS, Radar and ARPA displays, communications equipment

Teaching method: Lectures, videos, practical simulated exercises.

Guidelines: STCW Chapter II, elements of Table A-II/2. COLREGS, IMO Model Course 1.22

Course duration: 5 days.

Assessment: Written exams and practical assessments.

Certification: Course certificate upon successful completion leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
ADVANCED TRAINING FOR SHIPS OPERATING IN POLAR WATERS (STCW)

Description: This course is designed to provide advanced training to Senior Navigating Officers working on vessels in polar waters and meets the requirements of the STCW Convention, as amended, Table A-V/4-2 and The Polar Code.

Objective: Provide advanced knowledge in the limitations and safe techniques required when operating vessels in ice conditions and cold climates. Gain a detailed understanding of the regulatory requirements, safe planning and vessel operations in polar waters. Provide simulator based exercises of handling different types of vessels in ice conditions.

By the end of the course, students will be able to manage the:

- Safe handling and Manoeuvring of vessels operating in ice
- Voyage planning and equipment limitations
- Icebreaker convoy, towing and mooring operations in ice
- Operational readiness of life saving, fire fighting and other safety systems
- Safety of ship’s crew when exposed to low temperatures, preparedness and response to emergencies
- Human factors including cold fatigue, medical first aid aspects and crew welfare
- Survival requirements and use of survival equipment
- Possible damage to the vessel and equipment and avoidance

Entry standards: Chief Officer/Master rank. Completion of basic level course under STCW A-V/4-1, 2 months approved seagoing service at the management level on vessels operating within Polar Waters.

Facilities: Classroom, Bridge Simulator

Teaching method: Lectures, videos and case studies, practical simulated exercises

Guidelines: STCW A-V/4-2, IMO Model Course 7.12.

Course duration: 5 days.

Assessment: Theoretical exam.

Certification: Attendance certificate leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Can also be arranged by MTC Manila through External Partners. Please contact your local Crew Service Centre for the next available course.
BASIC TRAINING FOR SHIPS OPERATING IN POLAR WATERS (STCW)

Description: This course is designed to provide basic training to all levels of Deck Officers working on vessels in polar waters and meets the requirements of the STCW Convention, as amended, Table A-V/4-1 and The Polar Code.

Objective: To understand the risks involved when operating vessels in ice conditions and cold climates, taking into account international and national regulatory requirements. To gain practical experience of handling vessels in varying ice conditions using navigational bridge simulator.

Successful completion of this course will enable participants to:

- Safely handle and manoeuvre vessels operating in ice
- Identify the implications of ice spray and vessel icing up
- Understand ice blink and water sky
- Understand the movement of icebergs and pack ice
- Understand tides and currents in ice
- Understand ice characteristics and ice distribution
- Apply vessel performance in ice and low air temperatures
- Know various vessel types, hull designs and ice class requirements
- Apply pollution-prevention and legislative requirements
- Manage crew and vessel preparation and safe working practices

Entry standards: All Deck Officers.

Facilities: Classroom, Bridge Simulator, Videos

Teaching method: Classroom Lectures, videos and case studies, practical simulated exercises

Guidelines: STCW A-V/4-1, IMO Model Course 7.11.

Course duration: 5 days.

Assessment: Theoretical exam.

Certification: Attendance certificate leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Can also be arranged by MTC Manila through External Partners. Please contact your local Crew Service Centre for the next available course.
BRIDGE RESOURCE MANAGEMENT – BSM SPECIFIC

Description: This course provides training in BSM specific Bridge Resource Management techniques and focuses on developing sound bridge procedures and principles and also allows an opportunity to handle ships in various conditions in a simulator. The course exceeds the STCW requirements.

Objective: By the end of the course students will be able to:

▪ To improve general operational practices and enhance situational awareness
▪ Application of best communication practices both internal and external
▪ Understanding bridge team limitations and utilizing teams to their full potential
▪ Understanding vessel and equipment limitations
▪ Application and integration of BSM policies, procedures and checklists (Marine Manual)
▪ Understanding and application of ship handling principles as well as recognition and appropriate reactions to dangers
▪ Practice and evaluation of collision avoidance principles / Rule of the Road
▪ Understand and apply proper crisis management during emergencies

Entry standards: All Deck Officers. Thorough understanding of STCW Tables II/1 and above.

Facilities: Classroom, bridge simulators.

Teaching method: Classroom lectures, simulator exercises.


Course duration: 5 days.

Assessment: Written and practical exams, final examination / evaluation.

Certification: BSM course attendance certificate. Refresh period every 5 years at 2.5 years after / between STCW COC issue date

Venue: This course is offered regularly in MTC Cyprus, MTC India and MTC Manila. Please contact your local Crew Service Centre for the next available course.
ECDIS GENERIC

Description: The aim of the course is to train bridge watchkeeping officers in the safe and efficient use of ECDIS. The course meets the guidance given in IMO Model Course 1.27, the operational use of ECDIS. The learning outcome is that attendees should

Objective: By the end of the course students will have sufficient knowledge of ECDIS navigation and electronic charts to undertake the duties of a Navigational Watch Officer.

Students will also be able to:

- Use ECDIS when interfaced with other on board equipment such as GPS, ARPA or RADAR to maintain safety of navigation
- Maintain a safe navigational watch using ECDIS

Entry standards: Understanding of the ECDIS Function under STCW Table II/1 or above and hold relevant COC

Facilities: Classroom, ECDIS simulator, Bridge Simulator.

Teaching method: Classroom Lectures, simulator exercises.

Guidelines: IMO Model Course 1.27, ECDIS Manual, STCW A-II/1 as amended.

Course duration: 5 days.

Assessment: Written and practical exams, final examination / evaluation.

Certification: MTC course attendance certificate leading to STCW certification under Cyprus DMS.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
**ECDIS TYPE SPECIFIC – FURUNO**

**Description:**
The aim of the course is to provide training on Furuno specific ECDIS covering all functions of the equipment, interfaces with other navigational equipment, all safety parameters, position of controls, back-up system, chart upload and corrections and display information.

**Objective:**
By the end of the course students will be able to:
- Use Furuno ECDIS when interfaced with other on board navigation equipment such as GPS, ARPA or RADAR to maintain safety of navigation
- Maintain a safe navigational watch using a Furuno ECDIS

**Entry standards:**
Completion of Generic ECDIS as required under STCW Table II/1 or above

**Facilities:**
Classroom, Furuno ECDIS simulator (FEA/FMD).

**Teaching method:**
Classroom lectures and simulator exercises.

**Guidelines:**
ECDIS manufacturer’s operating guidelines and manual.

**Course duration:**
2 days.

**Assessment:**
Practical exam meeting the manufacturer’s requirements.

**Certification:**
Manufacturer’s course certificate.

**Venue:**
This course is offered regularly in MTC Cyprus, MTC Mumbai, MTC Manila, MTC China. Please contact your local Crew Service Centre for the next available course.
HAZARDOUS ATMOSPHERE MONITORING

Description: This course provides attendees with the essential knowledge, understanding and proficiency to carry out hazardous atmosphere monitoring. This course provides training in the operation of monitoring equipment and its maintenance, emergency response procedures, self-protection measures, accident prevention methods and gas measurement procedures.

Objective: To provide training so that at the end of the course the student will be able to:

- Correctly understand and use flammability diagrams
- Comprehend Flammable limits
- Prepare gas detection equipment before use
- Calibrate gas detectors and use span gas
- Correctly use gas detectors
- Measurement reading and recording
- Maintain gas detection equipment

Entry standards: All seafarers as recommended by SMC

Facilities: Classroom

Teaching method: Classroom Lectures, use of detectors, case studies and discussions

Guidelines: SIRE VIQ, CDI, Company Procedures and MARPOL.

Course duration: 2 days.

Assessment: Theoretical exam and practical evaluation.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai, MTC Manila and MTC China. Please contact your local Crew Service Centre for the next available course.
HELMSMAN TRAINING

Description: This course provides training in hand steering skills for Deck Ratings. It covers basic helm orders, communication, hand-over procedures, use of magnetic and gyro compasses, rate of turn and use of other equipment associated with steering systems. The course provides a foundation where further practical training is required on board before the award of certification.

The course may also be used to evaluate potential Rating candidates before their first assignment on board.

Objective: To provide training, knowledge and skills in the following key areas:

- Hand steering foundation skills
- Steering equipment and systems related to hand steering

Entry standards: Deck Ratings and Cadets competent in standard marine communication phrases (SMCP)

Facilities: Classroom, steering console simulator or bridge simulator

Teaching method: Classroom lectures, simulator exercises, videos

Guidelines: COLREGS, STCW, Bridge Procedures Guide

Course duration: 1 day.

Assessment: Theoretical exam and practical evaluation.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
ICE NAVIGATION AND OPERATIONS

Description: The course provides training in the conduct of safe vessel operations and navigation in ice waters. It is suitable for Masters and Deck Officers sailing in the Baltic Sea, Barents Sea, White Sea, Azov Sea, Sea of Okhotsk, Bering Sea, Gulf of St. Lawrence and any other ice-covered areas.

Objective: To provide training in the following key areas:

- Understanding of the risks involved when operating vessels in ice conditions and cold climates
- Knowledge of regulatory requirements and safe working practices in ice conditions and cold climates
- Practical experience of handling vessels in ice conditions using a navigational bridge simulator
- Understand safety techniques, risks and limitations with unassisted navigation in ice
- Understand safe methods for proceeding in icebreaker convoy
- Carry out safe towing and mooring operations in ice

Entry standards: Deck Officers who are required to trade in areas affected by ice, other than those mandated by STCW and the Polar Code

Facilities: Classroom, bridge simulator

Teaching method: Classroom lectures, simulator exercises, videos and discussion


Course duration: 5 days.

Assessment: Theoretical exam and Practical evaluation.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
INCIDENT INVESTIGATION

Description: The course aims to improve the knowledge of Senior staff in understanding different aspects of incident investigation and how to conduct investigations in an effective and structured manner. The course is designed to comply with the requirements of the ISM Code and TMSA.

Objective: Successful completion of this course will enable participants to undertake incident investigation on board ships.

Entry standards: Deck and Engine Officers and all other personnel involved in incident investigations.

Facilities: Classroom

Teaching method: Classroom lectures, videos and case studies, review of investigation reports.

Guidelines: The ISM Code, TMSA, Elements of IMO Model Course 3.11.

Course duration: 1 day.

Assessment: Theoretical exam.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Manila, MTC Cyprus, MTC Mumbai and MTC China. Please contact your local Crew Service Centre for the next available course.
LARGE VESSEL HANDLING

Description: The aim of this course is to equip Senior Deck Officers with further knowledge and manoeuvring skills of how to safely and efficiently handle large vessels, under the influence of various met/ocean conditions (wind, waves and current) during port approaches and port navigation.

Objective: To provide training, knowledge and skills in the following key areas:

- Manoeuvring skills under various situations alongside other vessels and anchoring
- Ship handling in restricted waters - manoeuvring in rivers or channels
- Berthing or mooring operations and working safely with Tugs
- Emergency ship manoeuvring and possible machinery failures

Entry standards: Navigating Officers who are joining vessels more than 100,000t DWT

Facilities: Classroom, bridge simulator.

Teaching method: Classroom lectures and simulator exercises.

Guidelines: STCW Section B-V/a.

Course duration: 3 days.

Assessment: Theoretical exam and practical evaluation.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
PRACTICAL USE OF GMDSS

Description: This is a simulator-based course and includes familiarisation and practical operation of Sailor 6000 GMDSS equipment: VHF and MF/HF DSC radios, Inmarsat-C, Radiotelex, Navtex, AIS, EPIRB, SART and SSAS, including testing and correct emergency communication procedures.

Objective: Successful completion of this course will ensure students:
- Are provided with an up to date knowledge of current marine radiocommunication systems and equipment
- Refresh practical experience of using radio equipment in emergency situations
- Get hands-on familiarization with current GMDSS equipment and systems
- Are able to correctly complete radio logs
- Can carry out regular equipment test
- Are able to inspect and maintain emergency batteries

Entry standards: Deck Officers holding a current COC and a GMDSS GOC

Facilities: Classroom, GMDSS Simulator

Teaching method: Classroom lectures, videos and case studies, review of investigation reports.

Guidelines: STCW A-IV/2, radio regulations, IMO Model Course 1.25.

Course duration: 2 days.

Assessment: Theoretical exam.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
RISK ASSESSMENT

Description: This course will improve the knowledge and understanding of risk in the work environment. It includes hazard identification, risk assessment procedures and risk management.

Objective: Successful completion of this course will enable participants to carry out effective risk assessment and risk management on board ships in line with industry best practices and company requirements.

Entry standards: Deck and Engine Officers and all other personnel involved in risk assessment.

Facilities: Classroom, practical exercise area

Teaching method: Classroom Lectures, videos and practical exercises

Guidelines: The ISM Code, TMSA, COSWP

Course duration: 1 day.

Assessment: Theoretical exam and practical evaluation.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Manila, MTC Cyprus, MTC Mumbai and MTC China. Please contact your local Crew Service Centre for the next available course.
SAFE MOORING AND ANCHORING OPERATIONS

Description: This course covers practical mooring and anchoring operations. It provides seafarers involved in mooring and anchoring operations with training, guidance and actual practice to make mooring operations safer and more efficient.

Objective: To provide training, knowledge and skills in the following key areas:

- Understand and implement correct mooring theory
- Appreciate loads on the mooring system
- Safe mooring practice
- Safe anchoring practice
- Correct maintenance of mooring systems and equipment
- Conduct pre-operation briefings and risk assessments

Entry standards: For all personnel involved in mooring operations, including non-deck personnel

Facilities: Mooring facility with working winches, anchor, mooring lines, stoppers and heaving lines

Teaching method: Classroom lectures, videos and practical exercises

Guidelines: OCIMF Mooring Guidelines / Mooring Equipment Guidelines (MEG), COSWP

Course duration: 3 days.

Assessment: Theoretical exam and practical evaluation.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course.
SHIP TO SHIP OPERATIONS

Description: This course provides training in STS cargo transfer operations. The course includes detailed guidance on critical points through the key stages of operations, using OCIMF guidelines to enhance operational practices and maintain situational awareness. The course also enhances understanding and application of ship handling principles during berthing and unberthing.

Objective: To provide training in the following key areas:
- Application of communication best practices both internal and external
- Understanding of vessel and equipment limitations
- Understanding and application of proper crisis management during emergencies
- Environmental protection and equipment limitations
- Berthing or un-berthing on vessels underway or at anchor
- Understanding of fendering and ship interaction

Entry standards: Deck Officers with Tanker experience

Facilities: Classroom, bridge simulator.

Teaching method: Classroom lectures, videos and simulator exercises.


Course duration: 2 days.

Assessment: Practical exam meeting the manufacturer’s requirements.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai, MTC Manila, MTC China. Please contact your local Crew Service Centre for the next available course.
SLINGING AND LIFTING

Description: This course provides attendees with training in the practical operation of slinging, lifting, signaling and general rigging operations. It ensures that attendees will be able to deliver safer and more effective slinging and lifting operations including non-cargo loose lifting gear.

Objective: To provide training in the following key areas:

- Selection and use of correct wire rope, Man-made fiber and webbing slings
- Interpret ‘Safe Working Load’ (SWL) or ‘Work Load Limit’ (WLL) charts
- Identify and observe markings on lifting gear
- Sling and move loads correctly and safely
- Use proper hand signals and work with crane operators
- Calculate load mass (weight)
- Inspection of lifting gear
- Maintenance and storage of lifting gear
- Conduct pre-operation briefings and risk assessments
- Apply Behaviour Based Safety during lifting operations

Entry standards: Open to all personnel involved in lifting operations on board primarily for who will take responsibility for and carry out rigging work.

Facilities: Classroom, practical lifting areas

Teaching method: Classroom lectures, practical exercises, videos, completion of BBS observations


Course duration: 3 days.

Assessment: Theoretical exam and practical evaluation.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Cyprus, MTC Manila and MTC China. Please contact your local Crew Service Centre for the next available course.
TANKER VETTING

Description: This course aims to enhance the knowledge of personnel in regard to Vetting procedures on tankers, the OCIMF Vessel Inspection Questionnaire (VIQ) and the CDI VIQ as well as their commercial impact. The course covers the key areas inspected and how to maintain the vessel in a condition ready for vetting. In addition it also focuses on how to manage and interact with inspectors.

Objective: Successful completion of this course will enable participants to:

▪ Better understanding of vetting requirement’s (VIQ)
▪ Preparing for inspection using SIRE/CDI checklist
▪ Conduct of the inspection and working with inspectors
▪ Commercial impact and communication with the company
▪ Administration and record keeping
▪ Common pitfalls and deficiencies from SIRE data base
▪ Actions to be taken post inspection

Entry standards: Deck and Engine Officers and all other personnel involved in vetting Inspections

Facilities: Classroom

Teaching method: Classroom lectures, videos and case studies, review of investigation reports

Guidelines: OCIMF VIQ, CDI VIQ, The ISM Code, industry rules and regulations, IACS.

Course duration: 2 days.

Assessment: Theoretical exam.

Certification: Attendance certificate upon successful completion of tests and exercises.

Venue: This course is offered regularly in MTC Manila, MTC Cyprus and MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
ENGINEERING AND ELECTROTECHNICAL
ENGINE ROOM RESOURCE MANAGEMENT –
BSM SPECIFIC

Description: This course provides training in sound engine room procedures and principles. This is a simulator based course and includes the use of various simulated engine room situations. The course exceeds the STCW qualification criteria. Engineers are exposed to various management and soft skill techniques using different engine room situations including emergencies.

Objective: Successful completion of this course will enable participants to:
- Address and deal with normal and emergency operational situations that may be faced during engine plant operation.
- Apply resource management skills in a day-to-day operational environment to improve the organisation, efficiency and effectiveness of engine room teams.

Entry standards: Hold COC under STCW A-III/1 or 2.

Facilities: Classroom, engine simulator, videos.

Teaching method: Classroom lectures, videos, case studies practical exercises.


Course duration: 5 days.

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on completion of evaluation and exams.

Venue: This course is offered regularly in MTC Mumbai, MTC Cyprus and MTC Manila. Please contact your local Crew Service Centre for the next available course.
IMO SULPHUR CAP 2020

Description: This course covers the latest requirements of the Sulphur Cap regulations as per IMO 2020, and addresses the various ways to achieve compliance and associated challenges and how to deal with them.

Objective: Successful completion of this course will enable participants to:

- Understand the regulatory requirements of the IMO 2020 Sulphur Cap
- Recognise various compliance options and their related challenges
- Understanding of Marine fuel quality as per ISO/PAS23263:2019
- Understanding of possible changed physical and Chemical properties of Compliant fuels
- Engine manufacturers guidelines to deal with compliant fuel
- Understanding and completion of on board documentation to demonstrate compliance
- Understand elements of PSC and other inspections of the vessel covering the requirements of MARPOL

Entry standards: All Officers and key ratings before their next contract.

Facilities: Classroom, videos.

Teaching method: Classroom lecture.

Guidelines: IMO Guidelines.

Course duration: 2 days.

Assessment: Written test.

Certification: Attendance certificate on completion of test.

Venue: This course is offered regularly in MTC Mumbai, MTC Cyprus, MTC Manila and MTC China. Please contact your local Crew Service Centre for the next available course.
MARINE ELECTRONICS

Description: This course provides electrical training to marine engineers of all ranks as well as junior electrical officers. The course focuses on the effective handling of routine electrical maintenance, fault finding and fault rectification of various shipboard machinery and equipment, including deck machinery and navigational equipment.

Objective: Successful completion of this course will enable participants to:
- Understand and reinforce basic electrical concepts
- Understand and apply electrical safety aspects
- Correctly use electrical measuring and testing equipment
- Read and understand electrical drawings
- Trace faults in electrical control circuits and power distribution systems
- Undertake and manage routine electrical maintenance of engine room, deck machinery and navigational equipment
- Understand concept of automation & control system
- Understand the concepts of high voltage systems

Entry standards: All Engineering Officers including Junior Engineers with 6 months sea time, Junior ETO

Facilities: Classroom, electrical workshop, videos

Teaching method: Classroom lectures, fault finding problems, soldering, using meters


Course duration: 10 days.

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on completion of evaluation and exams.

Venue: This course is offered regularly in MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
MAN ME-C CONTROL SYSTEMS - STANDARD OPERATIONS

**Description:** This is a simulator-based course and includes the familiarisation and practical operation of MAN ME-Control systems: introduction of the ME concept, Engine control systems, Engine Operation, Hydraulic Cylinder Unit (HCU), Hydraulic Power Supply (HPS), PMI and CoCoS EDS system, special running conditions, replacement of MPC modules for ME and ME-C type engines

**Objective:** Successful completion of this course will enable participants to:

- Understand the principles and working of MAN ME-C engines and be able to operate and maintain them effectively
- Understand how to troubleshoot and perform adjustment to the control system

**Entry standards:** Experience in operating marine engines. Engineering Officers including Electrical Officers or ETO joining ships with MAN ME-C type Engines and Technical Superintendents.

**Facilities:** Classroom, MAN ME-C Engine Simulator, Videos

**Teaching method:** Classroom Lectures, simulated exercises and fault finding problems

**Guidelines:** MAN ME-C manufacturer’s operating manuals

**Course duration:** 5 days.

**Assessment:** Written test, practical evaluation and assessments.

**Certification:** Attendance certificate on completion of evaluation and exams.

**Venue:** This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
MAN ME-C ENGINE - TROUBLESHOOTING

Description: The course provides training in MAN ME-C engine operation, fault finding and problem solving. The ME-C engine training course is interactive, using a sophisticated ME-C simulator for practical exercises.

Objective: Successful completion of this course will enable participants to:

▪ Understand the principles and working of MAN ME-C engines and be able to operate and maintain them effectively.
▪ Have a knowledge of MAN ME-C engine fault finding methods, subsequent diagnosis and recommended rectification procedures.
▪ Understand the working of Hydraulic Control Units (HCU), Hydraulic Power Supply (HPS), and Tacho systems utilizing correct tools and service procedures.
▪ Gain a sound knowledge on ME-C engines and their components.

Entry standards: Experience in operating marine engines. Engine Officers including Electrical Officers or ETO joining ships with MAN ME-C type engines and Technical Superintendents.

Facilities: Classroom, MAN ME-C engine simulator, videos.

Teaching method: Classroom lectures, simulated exercises and fault finding problems.

Guidelines: MAN ME-C manufacturer’s operating manuals.

Course duration: 3 days.

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on completion of evaluation and exams.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
WARTSILA RT - FLEX ENGINE - STANDARD OPERATIONS

Description: The course includes the operation, maintenance and troubleshooting of the WARTSILA RT-Fex engine type. The course is conducted using an RT-Flex engine simulator.

Objective: Successful completion of this course will enable participants to:

- Understand the principles and working of RT-Flex engines and be able to operate and maintain them effectively in accordance with manufacturer's requirements.

Entry standards: Experience in operating marine engines. Engineering Officers including Electrical Officers or ETO joining ships with RT-Flex type engines and Technical Superintendents.

Facilities: Classroom, RT-Flex engine simulator, videos.

Teaching method: Classroom lectures, simulated exercises and fault finding problems.

Guidelines: RT-Flex manufacturer's operating manuals.

Course duration: 3 days.

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on completion of evaluation and exams.

Venue: This course is offered regularly in MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
LIQUIFIED CARGO
PETROCHEMICAL
ADVANCED CHEMICAL TANKER CARGO OPERATIONS (STCW)

Description: This course is for Senior Officers (Deck and Engineering) and any person with immediate responsibility for the loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo related operations on chemical tankers and is a mandatory requirement under STCW Table A-V/1-1-1.

Objective: Successful completion of this course will enable participants to:

- Recognise types of chemical tanker design and equipment
- Contribute to the safe cargo operations of chemical tankers including the segregation of cargoes
- Take precautions to prevent hazards during tank cleaning, purging, gas freeing and inerting
- Understand the relationship between pressure and temperature
- Apply occupational health and safety precautions and measures including chemical symbols
- Understand the risks of corrosion, reactivity, toxicity and vapour leaks
- Respond to emergencies including explosion and flammability
- Apply pollution prevention and protection of the environment
- Carry out fire fighting operations (Practical Exercises)

Entry standards: Hold a Basic Chemical Tanker Cargo Operations certificate and have completed a minimum of at least 3 months sea going service on chemical tankers or have at least 1 month of approved onboard training on chemical tankers in a supernumerary capacity which includes at least 3 loading and 3 discharging operations documented in an approved training record book.

Facilities: Classroom, videos, LICOS simulator, fire fighting area, tanker fire fighting equipment.

Teaching method: Classroom lectures, videos, simulated cargo exercises, practical fire fighting

Guidelines: STCW Table A-V/1-1-1, The ISM Code, IMO Model Course 1.01

Course duration: 5 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
ADVANCED OIL TANKER CARGO OPERATIONS (STCW)

Description: This course is for Senior Officers (Deck and Engineering) and any person with immediate responsibility for the loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo related operations on oil tankers and is a mandatory requirement under STCW Table A-V/1-1-1.

Objective: Successful completion of this course will enable participants to:

▪ Recognise types of oil tanker design and equipment
▪ Contribute to the safe cargo operations of oil tankers including the segregation of cargoes
▪ Take precautions to prevent hazards during tank cleaning, purging, gas freeing and inerting
▪ Understand the relationship between pressure and temperature
▪ Apply occupational health and safety precautions and measures including chemical symbols
▪ Understand the risks of corrosion, reactivity, toxicity and vapour leaks
▪ Respond to emergencies including explosion and flammability
▪ Apply pollution prevention and protection of the environment
▪ Carry out fire fighting operations (Practical Exercises)

Entry standards: Hold a Basic Oil Tanker Cargo Operations certificate and have completed a minimum of at least 3 months sea going service on oil tankers or have at least 1 month of approved onboard training on oil tankers in a supernumerary capacity which includes at least 3 loading and 3 discharging operations documented in an approved training record book.

Facilities: Classroom, videos, LICOS simulator, fire fighting area, tanker fire fighting equipment.

Teaching method: Classroom lectures, videos, simulated cargo exercises, practical fire fighting

Guidelines: STCW Table A-V/1-1-1, The ISM Code, IMO Model Course 1.01

Course duration: 5 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
BASIC OIL / CHEMICAL TANKER CARGO OPERATIONS (STCW)

Description: This course is for Officers and Ratings assigned specific duties and responsibilities related to cargo or cargo equipment on oil or chemical tankers and is a mandatory requirement under STCW Table A-V/1-1-1.

Objective: Successful completion of this course will enable participants to:

• Basic knowledge of tankers
• Physical and chemical properties of oil and chemicals
• Knowledge and understanding of tanker safety culture and safety management
• Hazards and Safety
• Fire Safety and Firefighting operations
• Cargo operations
• Emergencies For Oil and Chemical Tankers
• Pollution Prevention for Oil and Chemical Tankers
• Case Studies on oil and NLS ship Emergencies

Entry standards: Junior Officers and Ratings as above.

Facilities: Classroom, videos, LICOS Simulator, fire fighting area, tanker fire fighting equipment.

Teaching method: Classroom lectures, videos, simulated cargo exercises, practical fire fighting.

Guidelines: STCW Table A-V/1-1-1, The ISM Code, IMO Model Course 1.01

Course duration: 5 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
**FRAMO CARGO PUMP OPERATOR**

**Description:** This course aims to improve knowledge and understanding of different aspects of Framo pump operation and maintenance. The course includes hands-on training on operational Framo cargo pumps.

**Objective:** Successful completion of this course will enable participants to:

- Perform Framo pump operations
- Undertake inspections and apply maintenance requirements.

**Entry standards:** Officers, Engineers and Ratings on tankers dealing with Framo Pump operation

**Facilities:** Classroom, videos, Framo pumps, piping and tank simulation

**Teaching method:** Classroom lecture, videos, various examples, simulated Framo pump operation and maintenance

**Guidelines:** Elements of STCW Table A-V/1-1-1 and 1-1-3. Manufacturer’s operation manuals

**Course duration:** 2 days

**Assessment:** Written test, practical workshop exercises and assessments.

**Certification:** Attendance certificate.

**Venue:** This course is offered regularly in MTC Manila and MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
CRUDE OIL WASHING AND INERT GAS SYSTEMS

Description: This course provides essential support and training for tanker personnel in crude oil washing (COW) procedures. The course provides knowledge on COW equipment, methods of operation and associated hazards. The course deals with sludge, pumps, cargo calculations and how to minimize costs, the course also provides knowledge of inert gas systems (IGS), equipment, methods and hazards. The course further provides knowledge on latest regulatory and MARPOL requirements. The target audience for this course is senior ratings but is also applicable to all other personnel involved in COW and IGS.

Objective: Successful completion of this course will enable participants to:

- Conduct crude oil washing
- Understand hazards associated with COW
- Apply MARPOL requirements
- Understand inert gas systems, procedures, processes and operations

Entry standards: Officers, engineers and key ratings on tankers as required

Facilities: Classroom, videos

Teaching method: Classroom lecture, videos, various examples

Guidelines: Elements of STCW Table A-V/1-1-2. OCIMF / SIRE VIQ. MARPOL

Course duration: 2 days

Assessment: Written test and assessments.

Certification: Attendance certificate.

Venue: This course is offered regularly in MTC Cyprus, MTC Manila and MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
ADVANCED LIQUEFIED GAS TANKER OPERATIONS (STCW)

Description: This course is for Senior Officers (Deck and Engineering) and any person with immediate responsibility for the loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo related operations on liquefied gas tankers and is a mandatory requirement under STCW Table A-V/1-2.3.

This course complies with the Merchant Navy Training Board (MNTB) requirements and SGMF guidance.

Objective: This course covers the following topics:

- Gas tanker design, systems and equipment
- Managing loading and discharging operations including inerting and use of nitrogen
- Understanding of cargo pumps and pumping arrangements
- Providing care in handling of cargoes in transit
- Identification of cargo tank level-gauging systems
- Monitoring of tank pressure and control systems and maintain temperature
- Carrying out inspection of structures and void spaces

Entry standards: Hold the STCW Basic Liquified Gas Tanker Cargo Operations certificate and have at least 3 months approved seagoing service on liquefied gas tankers or at least one month of approved onboard training on liquefied gas tankers plus required number of bunkering operations.

Facilities: Classroom, Videos, Gas Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (ME-GI, DFDE and Steam Turbine models)

Teaching method: Classroom lecture, videos, various examples, simulated cargo exercises

Guidelines: STCW A-V/1-2 The ISM Code, ISGOTT, IMO Model Course 1.06

Course duration: 2 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on successful completion of assessments.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
BASIC LNG CARGO OPERATIONS - BSM

Description: The course is for Junior Officers due to join an LNG tanker and focuses on practical exercises structured around the procedures and operation of the cargo and ballast installation of a Liquefied Natural Gas Tanker.

The course covers the knowledge, understanding and proficiency required to allow safer and more effective contribution to the operation and control of the cargo and ballast installation of a Liquefied Natural Gas Tanker, the course is also in line with recognised industry requirements and procedures.

Objective: This course covers the following topics:

- Safely carry out cargo and ballast operations
- Apply appropriate areas of BSM’s Safety Management System

Entry standards: Junior Officers and Ratings as above and hold a Basic Liquified Gas Tanker Operations certificate

Facilities: Classroom, Videos, Gas Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (ME-GI, DFDE and Steam Turbine models)

Teaching method: Classroom lecture, videos, various examples, simulated cargo exercises

Guidelines: IMO Model Course 1.36, The ISM Code, ISGOTT

Course duration: 5 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on successful completion of assessments.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
BASIC LIQUEFIED GAS TANKER OPERATIONS (STCW)

Description: This course is for Officers and Ratings assigned specific duties and responsibilities related to cargo or cargo equipment on a Liquefied Natural Gas Tanker and is a mandatory requirement under STCW Table A-V/1-2-1.

Objective: Successful completion of this course will enable participants to:

- Identify types of gas carriers and their general arrangement
- Understand properties and characteristics of gases
- Identify piping systems and cargo handling equipment
- Apply care of cargo when loading, unloading or during transit
- Carry out tank cleaning, purging, gas freeing and inerting
- Understand and prevent hazards including electrostatic charge and use of the emergency shutdown (ESD)
- Respond to emergencies

Entry standards: Serving Officer or Rating on a Liquified Gas Tanker, some Maritime Administrations may specify an additional requirement to have served or serve at least 3 months of approved sea going service on a Liquefied Gas Tanker

Facilities: Classroom, Videos, Gas Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (ME-GI, DFDE and Steam Turbine models)

Teaching method: Classroom lecture, videos, various examples, simulated cargo exercises

Guidelines: STCW A-V/1-2-1, The ISM Code, ISGOTT, IMO Model Course 1.04

Course duration: 2 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on successful completion of assessments.

Venue: This course is offered regularly in MTC Cyprus. Please contact your local Crew Service Centre for the next available course.
MANAGEMENT OF LNG CARGO OPERATIONS - BSM

Description: The course is for Gas Engineers and Junior Officers prior to promotion to Senior Officer. The course focuses on practical exercises structured around planning, execution and monitoring of cargo handling operations on a Liquefied Natural Gas Tanker.

Objective: Successful completion of this course will enable participants to:

- Safely carry out cargo operations
- Manage cargo handling operations
- Manage shipboard teams
- Apply mandatory regulations and industry standards

Entry standards: Holder of STCW Advanced Gas Tanker certificate and 6 months sea service on an LNG tanker.

Facilities: Classroom, Videos, Gas Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (ME-GI, DFDE and Steam Turbine models)

Teaching method: Classroom lecture, videos, various examples, simulated cargo exercises

Guidelines: The ISM Code, ISGOTT

Course duration: 3 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on successful completion of assessments.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
MANAGEMENT OF NON-STANDARD LNG CARGO OPERATIONS - BSM

Description: The course is for Senior Officers and Cargo Officers and focuses on practical exercises in non-standard cargo operations governing LNG ship operations from dry dock to dry dock.

The course covers the competency, safety and knowledge requirements inline with SIGTTO standards for LNG ships. The course utilizes an LNG software simulation package and a set of modules and presentations to impart knowledge on procedures, regulations and principles.

Objective: Successful completion of this course will enable participants to:

- Detect, identify and respond to non-standard occurrences, failures or breakdowns related to cargo handling operations
- Apply emergency procedures
- Implement the requirements of the Safety Management System

Entry standards: Holder of STCW Advanced Gas Tanker certificate and 12 months sea service on an LNG tanker.

Facilities: Classroom, Videos, Gas Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (ME-GI, DFDE and Steam Turbine models)

Teaching method: Classroom lecture, videos, various examples, simulated cargo exercises

Guidelines: The ISM Code, ISGOTT

Course duration: 5 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on successful completion of assessments.

Venue: This course is offered regularly in MTC Cyprus, MTC Mumbai and MTC Manila. Please contact your local Crew Service Centre for the next available course.
LNG TANKER OPERATIONS – MANAGEMENT LEVEL SIGTTO (LICOS)

Description: This simulator based course focuses on ensuring understanding of the principles involved and the undertaking of all cargo operations carried out on an LNG carrier, in a safe and efficient manner. Practical exercises are structured around the procedures and cargo operations in a dry dock to dry dock voyage cycle.

This course follows the syllabus set out by SIGTTO in their suggested LNG competence standard (second edition 2008) at the management level. It is approved by DNV as meeting the requirements of the SIGTTO suggested LNG competence standard.

Designed for all officers and personnel who will sail on board LNG Carriers, but specifically aimed at those who will be responsible for the safe planning and execution of operations related to the cargo on board such vessels.

Objective: Successful completion of this course will enable participants to have the relevant operational and technical knowledge to assume senior management responsibilities on board LNG vessels.

Entry standards: Qualified Gas Engineers, Operational level Deck and Engine Officers prior to promotion to management level. Three months sea service on a gas tanker and have STCW Advanced Gas Tanker certification.

Facilities: Classroom, Videos, Gas Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (ME-GI, DFDE and Steam Turbine models)

Teaching method: Classroom lecture, videos, various examples, simulated cargo exercises

Guidelines: IMO Model course 1.36, SIGTTO LNG Shipping – Suggested Competency Standards

Course duration: 5 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on successful completion of assessments.

Venue: This course is offered regularly in MTC Cyprus and MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
LIQUIFIED CARGO OPERATIONS

Description: This course focuses on practical exercises structured around the procedures and operation of the cargo and ballast installation of a Liquefied Natural Gas Tanker.

Objective: Successful completion of this course will enable participants to:

▪ Make a safer and more effective contribution to the operation and control of the cargo and ballast installation of a Liquefied Natural Gas Tanker.
▪ Improve ship safety and provide greater protection of the environment.

Entry standards: Operational level Deck and Engine Officers due to join an LNG tanker. STCW Basic Gas Tanker Certification. The participants are recommended to hold an Advanced Gas Tanker certificate.

Facilities: Classroom, Videos, Gas Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (ME-GI, DFDE and Steam Turbine models)

Teaching method: Classroom lecture, videos, various examples, simulated cargo exercises

Guidelines: IMO Model course 1.36, SIGTTO LNG Shipping – Suggested competency standards

Course duration: 3 days

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate on successful completion of assessments.

Venue: This course is offered regularly in MTC Cyprus and MTC Mumbai. Please contact your local Crew Service Centre for the next available course.
LNG FUELED VESSELS
ADVANCED TRAINING FOR SERVICE ON SHIPS SUBJECT TO THE IGF CODE (STCW)

Description: The course is for Masters, Engineering Officers and all personnel who have an immediate responsibility (a person being in a decision making capacity with respect to the handling of fuels subject to the IGF Code) for the care and use of fuel and fuel systems on vessels associated with the IGF Code.

Objective: Successful completion of this course will enable participants to:

- Understand the care of, storage and handling of LNG as a Fuel
- Understand the effects of Cryogenic substances on the vessel and equipment
- Safe operation when handling, transferring or bunkering LNG
- Identify the Custody Transfer document
- Interaction with bunker vessels or trucks
- Identify the process of bunkering LNG and the Person In Charge (PIC or POAC)
- Deal with various emergencies
- Protect and prevent hazards
- Environmental aspects of LNG

Entry standards: Completion of a Basic IGF Code course under STCW. Minimum of one month approved sea service on vessels subject to the IGF Code, *minimum of three bunkering operations of fuels covered by the IGF Code.

Facilities: Classroom, Videos, Gas Bunkering Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (Pressurized Type-C and Membrane models).

Teaching method: Classroom lecture, videos, various examples, simulated bunkering exercises

Guidelines: STCW Regulation V/3.8 and Table A-V/3-2. Society for Gas as a Marine Fuel (SGMF)

Course duration: 3 days (May differ depending on administrations).

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. It can also be arranged by MTC Manila through External Partners. Please contact your local Crew Service Centre for the next available course.
BASIC TRAINING FOR SERVICE ON SHIPS SUBJECT TO THE IGF CODE (STCW)

Description: This course provides a basic training for seafarers responsible for designated safety duties associated with the care, use emergency response to the LNG and other low flashpoint fuels onboard ships subject to the IGF Code.

This course is mandatory for all seafarers with designated safety duties associated with the care and use of fuel and fuel systems on vessels associated with the IGF Code.

Seafarers already holding the Basic Gas Tanker Operations certificate are exempted attending this course.

Objective: Successful completion of this course will enable participants to:

▪ Contribute to the safe operation of a ship subject to the IGF Code
▪ Take precautions to prevent hazards on a ship subject to the IGF Code
▪ Apply occupational health and safety precautions and measures
▪ Respond to Emergencies
▪ Take precautions to prevent pollution of the environment from the release of fuels found on ships subject to the IGF Code

Entry standards: All relevant crew on vessels covered by the IGF Code as above. Completion of a Tanker Fire Fighting Course (as per administration issuing certification). No prior special sea service is required.

Facilities: Classroom, Videos, Gas Bunkering Simulator – G-Sim DNV approved Class A Liquid Cargo Handling Simulator (Pressurized Type-C and Membrane models)

Teaching method: Classroom lecture, videos, various examples, simulated bunkering exercises

Guidelines: STCW A-V/3-1. Information published by the Society for Gas as a Marine Fuel (SGMF)

Course duration: 2 days (May differ depending on administrations).

Assessment: Written test, practical evaluation and assessments.

Certification: Attendance certificate leading to STCW certification.

Venue: This course is offered regularly in MTC Cyprus. It can also be arranged by MTC Manila through External Partners. Please contact your local Crew Service Centre for the next available course.
BAKING AND PASTRY

Description: This course provides training on advanced baking and pastry techniques, as well as crew welfare, galley safety, menu construction taking account of dietary needs and cultural and religious aspects of the crew. The course also covers hygiene and sanitation, food safety, budgeting, stock control and garbage management.

Objective: After successful completion of this course participants will be able to:
- Prepare bread products
- Prepare hot and cold desserts
- Prepare cake products
- Prepare pastry products

Entry standards: All catering candidates wishing to advance their skills.

Facilities: Classroom, galley, bakery.

Teaching method: Lectures, practical exercises.


Course duration: 10 days.

Assessment: Written and practical exams.

Certification: Course certificate upon successful completion.

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course.
CHIEF COOK QUALIFICATION COURSE

Description: This course enhances cooking and galley management skills for existing second cooks in preparation for promotion to Chief Cook. The course provides training in developing diverse cuisines including trade tests to increase individuals cooking variety, including nutritional and dietary management for crew.

Objective: On successful completion of this course participants will be able to:

▪ Apply practical food safety, sanitation and hygiene
▪ Apply vector management
▪ Apply prevention measures for food-borne diseases and cross contamination
▪ Maintain galley stores, supplies, equipment and facilities
▪ Deliver administration, resource management and PAL provisioning and accounting
▪ Demonstrate intermediate cooking and baking techniques, preparation of broths, soups, sauces, dips and dressings
▪ Prepare specialty appetizers, salads and sandwiches
▪ Prepare specialty meals and side dishes
▪ Prepare cake products and hot/cold desserts

Entry Standards: At least 12 months sea experience as 2nd Cook

Facilities: Classrooms, galley, bakery, dining room area

Teaching methods: Presentations, lectures, practical exercises, daily work stations


Course duration: 10 days

Assessment: Ongoing assessments / weekly tests, written exams

Certification: Course certificate upon successful completion of tests and evaluation

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course
CHIEF STEWARD / CAMP BOSS QUALIFICATION COURSE

Description: The course provides further management skills to enable candidates to be in charge of a production galley and catering teams. It provides training in supervising employees in galley operations, planning and preparing meals, incorporating a wellness environment in the menu structure, ordering inventory and determining scheduling and oversight of galley sanitation.

Objective: On successful completion of this course participants will be able to:

- Apply leadership, galley management and communication skills
- Apply Inventory control, requisitions
- Demonstrate safety, sanitation and food hygiene processes
- Provide healthy menu planning and wellness
- Apply vector management principles and prevention control measures
- Maintain galley, store rooms, supplies, equipment and facilities
- Demonstrate advanced cooking and baking techniques
- Manage restaurant services

Entry Standards: At least 12 months sea experience as Chief Cook and 16 Months as Second Cook

Facilities: Classrooms, galley, bakery, dining room area

Teaching methods: Presentations, lectures, practical exercises, daily work stations


Course duration: 10 days

Assessment: Ongoing assessments / weekly tests, written exams

Certification: Course Certificate upon successful completion of tests and evaluation

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course
COOK REFRESHER

Description: This course refreshes cooking and galley management skills for existing chief cooks. The course provides enhanced training in developing diverse cuisines to increase individuals cooking variety, including nutritional and dietary management for crew.

Objective: On successful completion of this course participants will be able to:

- Apply practical food safety, sanitation and hygiene
- Apply vector management
- Apply prevention measures for food-borne diseases and cross contamination
- Maintain galley stores, supplies, equipment and facilities
- Review and apply changes in administration and resource management
- Review and apply changes to the PAL provisioning and accounting system
- Demonstrate intermediate cooking and baking techniques, preparation of broths, soups, sauces, dips and dressings
- Prepare specialty appetizers, salads and sandwiches
- Prepare specialty meals and side dishes
- Prepare cake products and hot/cold desserts

Entry Standards: 9 months sea service

Facilities: Classrooms, Galley, Bakery, Dining room area

Teaching methods: Presentations, lectures, practical exercises, daily work stations


Course duration: 5 days

Assessment: Ongoing assessments / weekly tests, written exams

Certification: Course certificate upon successful completion of tests and evaluation

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course
FOOD SAFETY, SANITATION AND HYGIENE

Description: This course provides training on practical food safety, sanitation and hygiene, as well as prevention measures for food-borne diseases, cross contamination and food hygiene procedures.

Objective: After successful completion of this course participants will be able to:

▪ Apply practical food safety, sanitation and hygiene
▪ Identify various food-borne diseases and bacteria
▪ Identify prevention measures for food-borne diseases
▪ Prevent cross contamination
▪ Observe food hygiene procedures
▪ Observe personal hygiene regimes
▪ Observe food storage, thawing and refrigeration

Entry standards: All catering candidates as per vessel assignment.

Facilities: Classroom, galley, bakery.

Teaching method: Lectures, practical exercises.


Course duration: 2 days.

Assessment: Written and practical exams.

Certification: Course certificate upon successful completion.

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course.
GALLEY RESOURCE MANAGEMENT

Description: This course provides attendees with enhanced knowledge, understanding and proficiency in managing catering resources which are essential for personnel who are involved in galley management.

The key learning outcome is that attendees will be able to deliver better inventory control, more efficient processing of requisitions and better galley management which will improve ship catering standards, safety, health and wellness of the crew and provide greater protection of the environment.

Objective: At the end of course, attendees should be able to:

- Apply Leadership, galley management and communication skills
- Apply effective and efficient inventory control
- Apply effective maintenance of galley equipment, stores and supplies
- Manage galley organisation and administrative requirements

Entry standards: 6 months experience as 2nd Cook or Chief Cook.

Facilities: Galley, bakery, canteen and classrooms.

Teaching Method: Classroom instruction and practical training.

Guidelines: HACCP, USPH, COSWP and QDMS.

Course duration: 5 days.

Assessment: Written exams and practical site assessment.

Certification: Course certificate upon successful completion.

Venue: Available in MTC Manila. Please contact your local Crew Service Centre for the next available course.
GALLEY RESOURCE MANAGEMENT REFRESHER

Description: This course provides attendees with refreshed knowledge, understanding and proficiency in managing catering resources which are essential for personnel who are involved in galley management.

The key learning outcome is that attendees will be able to deliver better inventory control, more efficient processing of requisitions and better galley management which will improve ship catering standards, safety, health and wellness of the crew and provide greater protection of the environment.

Objective: At the end of course, attendees should be able to:

- Apply leadership, galley management and communication skills
- Apply effective and efficient inventory control
- Apply effective maintenance of galley equipment, stores and supplies
- Manage galley organisation and administrative requirements

Entry standards: Experience as 2nd Cook or Chief Cook. Attended Galley Resource Management course.

Facilities: Galley, bakery, canteen and classrooms.

Teaching Method: Classroom instruction and practical training.

Guidelines: HACCP, USPH, COSWP and QDMS.

Course duration: 5 days.

Assessment: Written exams and practical site assessment.

Certification: Course certificate upon successful completion.

Venue: Available in MTC Manila. Please contact your local Crew Service Centre for the next available course.
INTERNATIONAL CUISINE

Description: This course provides training in advanced international cuisines and meal preparation. It provides knowledge of the history of different countries’ cuisines, as well as common eating customs. The course also involves the practical techniques and discipline of *mise en place*, food safety, sanitation, hygiene and galley organisation.

Objective: After successful completion of this course participants will be able to:

- Identify the key ingredients used in various national cuisines
- Prepare and cook a variety of authentic national cuisine dishes
- Observe religious aspects of food preparation

Entry standards: All catering candidates as per vessel assignment and crew nationality.

Facilities: Classroom, galley, bakery.

Teaching method: Lectures, practical exercises.


Course duration: 2 days.

Assessment: Written and practical exams.

Certification: Course certificate upon successful completion.

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course.
MESSMAN QUALIFICATION COURSE

Description: This course provides knowledge and training in the practical skills required to become a Messman.

Objective: After successful completion of this course participants will be able to:

▪ Apply practical food safety, sanitation and hygiene
▪ Correctly use waste management and disposal systems and follow MARPOL garbage disposal requirements
▪ Comply with workplace health and safety practices
▪ Assist the Chief or Second Cook to prepare meals and supervise the galley area
▪ Have an understanding of basic cookery skills
▪ Provide stewarding service to officers at meal times
▪ Deliver general housekeeping and laundry services

Entry Standards: Basic Training certificate, completion of local training – NC II.

Facilities: Classrooms, galley, bakery, dining room area, accommodation area, cabins

Teaching methods: Presentations, lectures, practical exercises, daily work stations


Course duration: 20 days

Assessment: Ongoing assessments / weekly tests

Certification: Course certificate upon successful completion of tests and evaluation

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course
SECOND COOK QUALIFICATION COURSE

Description: This course provides the necessary training for a messman to be promoted to Second Cook. The course develops the knowledge, skills and competency of Second Cooks to assist improve the standards in the galley. The course utilises the practical application of real shipboard scenarios including galley management and safety.

Objective: At the end of course, the participants should be able to:

- Show an understanding of the catering profession
- Demonstrate the duties and responsibilities of a Cook
- Demonstrate practical food safety, sanitation and hygiene
- Demonstrate vector management, prevention measures for cross-contamination
- Maintain the galley, store rooms, equipment and facilities
- Apply inventory control including principles of FIFO
- Prepare basic soups, stocks, sauces, dips and dressings
- Prepare appetizers, salads and sandwiches (hot, cold and open)
- Prepare basic meals, side dishes, including International cuisines of our seafarers
- Take into account religious aspects of food preparation
- Prepare bread products and hot/cold desserts
- Apply emergency procedures in galley areas (fire)

Entry standards: At least 12 months sea experience as Messman.

Facilities: Classroom, galley, bakery and accommodation training areas.

Teaching method: Lectures, practical exercises, case studies and discussions.


Course duration: 15 days.

Assessment: Written and practical exams.

Certification: Course certificate upon successful completion.

Venue: This course is offered regularly in MTC Manila. Please contact your local Crew Service Centre for the next available course.