



United Marine
Training Center

**COURSE
CATALOGUE
2017 - 2018**

UNITED MARINE TRAINING CENTER, INC.
2120 Leon Guinto Street, 1004 Malate,
Manila, Philippines

www.umtc.com.ph



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Welcome to

UNITED MARINE TRAINING CENTER, INC.

TO OUR VALUED CLIENTS,

Understanding the demand of the shipping industry for competent seafarers, United Marine Training Center, Inc. (UMTC) is at the forefront of high quality training in the Philippines. We continue to produce technically competent maritime professionals by providing comprehensive training programs, employing outcome based teaching methodologies using advanced equipment and the latest technology.

The center operates on the three foundations of a "center of excellence" training institution: excellent facilities, excellent courses and excellent faculty.

UMTC has made substantial investment in the training facility infrastructure to ensure we get the best results for training dollars spent. There is no compromise on quality.

The center has developed a system called Faculty Competency Assurance Program to guarantee the faculty's continued professional growth. A faculty member joins the organisation as a subject matter expert and with our management guidance, the faculty moves through the system developing teaching and course development competence over time. The center provides a series of training interventions to guide the faculty to become the best instructor they can be.

We are currently working towards "Center of Excellence" certification with DNV GL which proves our commitment to the continuous innovation and improvement of our course curriculum, faculty, facilities, equipment and business processes.

This course catalogue provides an overview of our services, courses and facilities.

Your comments and suggestions are welcome as we strive to continually improve the quality of our training services.

We wish you an exciting learning experience and we look forward to welcoming you at United Marine Training Center.

Yours sincerely,



ENGR. DONALD B. BAUTISTA

Training Director





OUR COMPANY

United Marine Training Center (UMTC) is a top-quality maritime educational institution providing world-class instruction and training to seafarers. Our mandate is to develop them into highly competent marine professionals who are well prepared to face the challenges of the shipping industry.

OUR NEW NAME

We are a product of almost two decades of Marlow Navigation's pursuit of excellence and innovation in the maritime sector. Established and named Marlow Navigation Training Center (MNTC) since 1999, we changed our name to United Marine Training Center in 2015 to more accurately represent the spirit of collaboration our company encourages. This renewal also opens the door for more opportunities to share our expertise with the rest of the industry and contribute to its further development.

OUR SERVICES

We provide upgrading training to all seafarers to augment their skills. We offer one of the most updated cadet training programs, fully acquainted with the actual demands of the industry, and also develop customized programs to suit a company's specific needs.

Our training is up-to-date and in accordance with current industry regulations. Our faculty is composed of top-caliber instructors and high-ranking industry practitioners. Our facilities, workshops, laboratories, and equipment are state-of-the-art. Our standards are high and our methods are comprehensive. We employ all these to ensure our trainees live up to their full potential and are developed into determined, service-oriented, and outstanding seafarers who are great assets to their companies and the industry as a whole.



OUR TEAM

UMTC has a reputation for strict adherence to high standards. This not only applies to trainees but to the entire organization.

Our instructors are handpicked and go through structured company specific teacher training. Their teaching and technical skills are honed through the Faculty Competency Assurance Program to guarantee their continued professional development. Most of them are seasoned seafarers who bring with them tried and tested practical knowledge. A number of them return onboard to maintain their knowledge and skills, bringing back fresh insights and up-to-date practices. These are then converted back into our curriculum, ensuring we are always at the forefront of best practice.

The maritime training industry recognizes our team's expertise. The industry's National Governing Agencies have continuously sought our participation in the development of industry training packages. This demonstrates our commitment and contribution to the development of maritime education and training policy.



ACCREDITATIONS

UMTC, formerly known as Marlow Navigation Training Center, Inc., is a duly recognized organization registered under the Securities and Exchange Commission (SEC) since May 2001.

We have been compliant to the ISO 9001 Standard for Effective Quality Management System since August 2001. We are certified by DNV GL in compliance with ISO 9001.2015 for Course Development, Training and Assessment and DNV GL Standard for Certification of Maritime Training Providers No. DNVGL-ST-0029.

We are proud member of Philippine Association of Maritime Training Centers, Inc. (PAMTCI), German-Philippine Chamber of Commerce and Industry, Inc. (GPPCI) and Association of Technical School of Manila, Inc. (ATSMI)

Our courses are accredited by the following bodies: All Academy, Det Norske Veritas Germanischer Lloyd (DNV GL), Liberia Maritime Authority, Maritime Industry Authority (MARINA), National Telecommunications Commission (NTC) Technical Education and Skills Development Authority (TESDA).

UMTC PARTNERS

In April 2011, UMTC teamed with MAN DIESEL to provide equipment specific training in the Philippines . This cooperation has seen an increase in the number of courses and the equipment available at the Training Centre. MAN Diesel Training is provided by the training arm of MAN DIESEL, PRIMESERVE ACADEMY.

In November 2015, UMTC teamed with Alfa Laval to supply Auxilary Machinery training. Equipment has been supplied by Alfa Laval and the training is provided by their incountry representative, RJH Consultancy.



OUR FACILITIES

UMTC is a customized training facility featuring the latest technical innovations in the field of maritime training & assessment.

In 2004, we expanded our operations to fulfill the growing need for well-trained seafarers. This led to the establishment of a culinary training center, a computer laboratory, and three more classrooms for the cadet training program. In 2008, we moved to our present site with 8,200 square meters training area in the heart of Manila.

As we gear up for DNV certification as a Center of Excellence, we have continuously invested heavily in our equipment, facilities, and faculty, and have strictly adhered to ISO 9001 standards. In 2016, UMTC was audited and approved for ISO 9001:2015 accreditation by DNV GL.

SIMULATOR COMPLEX

Our maritime simulation suites provide our trainees with close-to-actual ship handling experience. This develops their competence in watch keeping, situational awareness, communication, decision-making and leadership.

The UMTC Simulator Complex was designed, built and installed to comply with the requirements of 2010 DNV GL Class "A" Simulator.



■ Full Mission Bridge Simulator

The Class A Full Mission Bridge Simulator (FMBS) is utilized for all navigation-related training. Trainees are immersed in an atmosphere with full visual, instrument, and aural clues. It incorporates all software, hardware, and accessories required to give an accurate and realistic bridge environment. All instruments use touch screen interfaces for increased realism and flexibility.



■ Mini-bridges

In addition to the Full Mission Bridge Simulator, there are eight (8) mini-bridges that have field view of 90° with capabilities and environment close to that of the FMBS, including the model behaviour of the same accuracy.

The mini-bridges are furnished with Global Maritime Distress and Safety System, MARIS 900 ECDIS, X-band and S-band Automatic Radar Plotting Aid, Gyro and Magnetic Compass, Automatic Identification System, Global Positioning System, Doppler Log and a Steering Control capable of switching over manual steering, non-follow up and follow up and Autopilot.



■ Liquid Cargo Handling Simulator

The LCHS is an advanced training solution for cargo officers at the operational and management levels. It is installed with four workstations that offer the option to operate as an individual vessel or as different vessels, as well as being able to take part in the team operation of one or two vessels.

Training is done in an immersive atmosphere with full visual, instrument and aural clues available to the trainees. The installation meets the training needs for a large number of tanker model types including crude oil, product, and chemical tankers, LPG carriers (for both fully refrigerated and fully pressurized), and LNG carriers.



■ Full Mission Engine Room Simulator

The Full Mission Engine Room Simulator (FMERS) is capable of simulating all machinery operations conducted in a modern merchant vessel, in a simulated Engine Control Room.

The FMERS is configured to pattern a modern UMS class tanker vessel, propelled by a MAN B&W 6S60MC diesel engine and its associated auxiliary equipment.

The Engine Room Simulator comprises of a main engine control room and an electrical switch board room. The simulator features a mimic pipeline panel and local operating stations, providing hands on training and troubleshooting for Marine Engineers.



■ Engine Room Simulator

The four (4) Engine Room Simulator (ERS) stations are used for training Marine Engineers in Watchkeeping, at the Operational and Management level. It is able to simulate various scenarios from start up to shut down, including operation of auxiliary machinery.

Each station was set up to operate a modern UMS class tanker vessel independently. The instructor can monitor 4 vessels watch keeping standards separately and assess competence by injecting faults and defects to measure the students capability to troubleshoot and report problems with the machinery.



■ Crane Simulator

The Crane Simulator provides a realistic simulation of the visual and operational characteristics of Heavy Lift crane operations. The simulator equipment allows instructors to teach and assess the behavioural and technical competency of a lifting Team to ensure safe operations at sea.

The simulator provides a virtual environment for accelerated, hands-on training for both novice and experienced operators.

Trainees practice routine and specific lifting tasks to develop safe and efficient work practices. The crane simulator uses realistic hydrodynamic data to manage ballasting and stability during heavy lift operations.



■ Heavy Lift Simulator

The Heavy Lift Simulator features the jetty or deck view, giving the Officer a panoramic view of the operation from where the movement of the cranes, the heeling angles encountered, and the required ballast pumping operations are coordinated. The simulation includes standard scenarios in heavy lift operations based on initial feasibility studies, toolbox meetings prior to loading, underlying mathematical concepts of stability, and cargo care software.



■ ECDIS Simulator

The ECDIS simulator meets the technical requirements of the IMO ECDIS Performance Standards to conduct the IMO Model Course 1.27. It is composed of twelve trainee stations and one station for the instructor for class demonstrations. The type of ECDIS used in the simulator is MARIS 900. The trainees familiarize themselves with the equipment to gain close-to-actual hands-on experience in the effective operation and control of ECDIS and for practical route planning exercises, among others.



■ ECDIS Type-Specific Simulator

The ECDIS type-specific simulator meets the technical requirements to comply with Regulation I/14, Paragraph 1.5 of the STCW Convention, as well as Section 6.3 and 6.5 of the International Safety Management (ISM) Code. The ECDIS types available are ChartWorld Ltd., Danelec Marine, Imtech Marine, Martek Marine Ltd., Northrop Grumman Sperry Marine, Raytheon Anschütz, and SAM Electronics.

It is composed of ten (10) trainee stations, allowing a 1:1 man-to-machine ratio, and one station for the instructor for class demonstrations. The trainees familiarize themselves with the equipment to gain close-to-actual hands-on experience in the effective operation and control of ECDIS and for practical route planning exercises, among others.



■ Global Maritime Distress and Safety System (GMDSS)

The GMDSS simulator replicates a variety of communications equipment found onboard. Classified as ARI GMDSS Simulator Version 1.4, it is used to conduct the IMO Model Course 1.25.

The simulator suite is comprised of twelve trainee workstations and one separate instructor station. Each terminal includes a fully functioning virtual radio communications system and actual VHF and HF / HF Radio equipment and accessories similar to the ones onboard.



PRACTICAL WORKSHOP FACILITIES AND LABORATORIES

We have dedicated areas for workshops and laboratories to provide skills based training for both engineering safe work practices and skills, as well as for demonstrating general education physics and chemistry principles.

■ DECK AND SEAMANSHIP PRACTICAL FACILITY

This facility contains equipment found onboard including mooring stations, pilot ladder, lashing platforms, and anchoring. This provides a realistic atmosphere and effective demonstration and practice of shipboard deck work.

■ Aft Mooring Station

The aft mooring station is outfitted with electro-hydraulic operated winch, and associated mooring equipment. Onboard mooring operations are simulated, demonstrated and practiced for example, securing and letting go of mooring lines and tug lines, using synthetic and wire ropes. The participants execute planned safe and efficient mooring arrangements under the supervision of an experienced mariner UMTC qualified instructor.



■ Forward Mooring Station

The Forward mooring station is equipped with electro-hydraulic operated windlass and associated mooring equipment and an anchoring system. This is used to conduct a realistic simulated mooring operations and anchoring exercises, such as a picking up a line, securing to the bits using stopper and casting off mooring and tug lines. Letting go anchor, weighing an anchor and securing an anchor for sea.



■ Pilot Ladder

The pilot embarkation ladder facility is utilized for training participants on the safe preparation, rigging, unrigging and securing of pilot ladders for the safe transfer of personnel including Pilots.



■ Container Lashing

The container lashing facility is composed of three tiers of 20-foot containers that allow trainees to properly lash and unlash containers using the same equipment used on board.



■ Cargo Lashing Platform

The Cargo Lashing Platform is designed to provide the participants the needed hands-on learning experience in securing and lashing of general and heavy lift cargoes.

A realistic onboard scenario can be achieved in securing different types and sizes of cargo whether on deck or inside cargo holds with the flexibility of the movable bulkhead.

The lashing equipment utilized such as padeyes, turnbuckles, wire ropes, wire clips, different grades of lashing chains and webbings are those that are actually used on board ships.



■ Fire Fighting Training Facility

The fire fighting training facility includes a smoke house inside 2-tier containers providing a realistic simulation of responses to fires, search and rescue, ascending/descending inclined and vertical ladders and cold fire fighting using complete sets of self-contained-air breathing apparatus. An operational breathing apparatus compressor is provided to train the participants in the proper use, monitoring, care and refilling of BA cylinders.



■ ENGINEERING WORKSHOP

The Engineering Workshop includes Welding, Practical, Lathe Machine and Practical Workshop Areas where our highly-competent instructors conduct all hands-on exercises to ensure the engine trainees sharpen their skills and proficiency for various shipboard responsibilities.

■ Lathe Machine Workshop

The lathe machine area includes engine lathes and equipment capable of meeting technical trainings on lathe machine operations with tolerance of +/- 0.1 mm.

Six (6) engine lathe machines are available for a one-on-one hands-on practical training exercises backed-up by six (6) bench grinders to perform off-hand grinding of lathe cutting tools.



■ Practical Workshop

The practical workshop area is a "Tools Technology" facility aimed to provide basic knowledge and skills on different tools, equipment, and gadgets primarily used in various practical workshop activities.

The facility includes various heavy duty mechanical vises, hand and power tools, gauges, and gadgets commonly applied to facilitate safe and proper use in learning different workshop activities such as measuring, piping works, drawing interpretations, as well as repair and maintenance works backed up by an actual cut-away view assembly of valves and motor for familiarization purposes.



■ Welding Facility

The Welding Area houses three facilities where our highly-skilled instructors conduct practical welding training and assessment.

The welding areas are grouped into 3-facilities which include Electric Arc Welding, Oxy-acetylene Gas Welding and Seafastening Welding. These facilities are designed and equipped to manage hands-on approach welding training and assessment.

There are 8-welding booths for Electric Arc Welding and 8-welding booths for Oxy-acetylene Gas Welding and each of which is provided with complete set of equipment and required Personal Protective Equipment (PPE).

The Seafastening Welding includes a 3-unit high amperage welding machine to satisfy required gouging specifications..



■ MAN Engine Workshop

The MAN engine workshop houses equipment which is utilized during practical training and assessment.

• MAN Turbochargers

MAN Turbochargers are used for practical training and assessment of dismantling / reinstalling, measuring clearances and tolerances using special tools, inspection, maintenance planning and repair procedures.



• MAN 4-Stroke Diesel Engine

The MAN 4-Stroke Diesel Engine training system provides hands on practical training and assessment for maintenance and operation of the 4 Stroke Engine including: cylinder liner inspection and measurement, cylinder head assembly, piston assembly, connecting rod assembly, fuel oil injector and fuel oil pump assembly.



• MAN 2-Stroke Diesel Engine

The MAN 2-Stroke Diesel Engine training system provides hands on practical training and assessment for maintenance and operation of 2 Stroke engine including: cylinder head and exhaust valve assembly, fuel oil injector slide type calibration, fuel oil pump assembly, main starting valve assembly, crosshead piston with piston ring and piston rod assembly and stuffing box assembly.



■ ELECTRO-TECHNICAL WORKSHOP AND LABORATORIES

A considerable area has been allocated to laboratories for Electrical, Electronics, Control Engineering, Pneumatics and Hydraulics, Refrigeration, MAHIVO, and Reefer courses wherein trainees are given lectures on theoretical foundations and given the opportunity to apply and master these concepts with hands-on trainings and projects.

■ Electrical and Electronics Laboratory

The Electrical and Electronics Laboratory is built with industry-relevant electrical and electronic training systems, equipment, tools and instruments that provide participants with practical learning opportunities. The participants are engaged in demonstrations and exercises in the use of testing instruments, interpreting electrical schematics, practical wiring and fault-finding as may be applicable onboard ships.



■ Control Engineering Laboratory

The Control Engineering Laboratory is with industry-relevant training tools and equipment for automation, instrumentation and process control that provide participants with analytical learning opportunities. The participants are engaged in exercises and demonstrations on pressure, temperature, flow rate and tank level control processes simulating their applications on board ships.



■ Pneumatics and Hydraulics Training Stations

The Pneumatics and Hydraulics Training Stations are equipped with the most common shipboard pneumatic and hydraulic system components that provide the participants with both practical and analytical learning opportunities. The participants are engaged in demonstrations and exercises in proper and safe operation, component testing, interpreting pneumatic and hydraulic schematics, and troubleshooting.



■ OUR FACILITIES

■ Refrigeration and Air-conditioning Laboratory

The Refrigeration and Air-Conditioning Laboratory is equipped with a refrigeration training system and tools that provide participants with both practical and analytical learning opportunities. The participants are engaged in experiments, demonstrations and practical exercises in monitoring, operation, troubleshooting, performing pump down, evacuation, refrigerant recovery and refrigerant charging.



■ MAHIVO Training Room

The Marine High Voltage Training Room is equipped with a Marine High-Voltage (HV) vacuum circuit breaker installed in switchgear that allows participants to practice safe operation of HV installations. The participants are engaged in demonstrations and exercises in isolation of HV equipment, racking-in and racking-out of HV circuit breakers, HV equipment bus bar grounding and HV equipment maintenance and testing.



■ Reefer Training Room

The Reefer Training Room is equipped with five operational reefer units of different types and refrigeration servicing tools and equipment that allow participants to practice operation and maintenance of reefer containers. The participants are engaged in demonstrations and exercises performing shipboard monitoring, performing maintenance, troubleshooting and repair. The reefer types include Carrier Primeline II, Carrier Thinline, Thermoking Magnum, Daikin and LXE Starcool.



■ PHYSICS AND CHEMISTRY LABORATORY

The Physics and Chemistry Laboratory is equipped with laboratory equipment that provides trainees with learning opportunities that are maritime related.





CULINARY FACILITY

Our fully equipped kitchens provide the trainees the best learning environment and access to excellent culinary programs.

The trainees' delicious creations are served in two dining areas--in the Mess Hall with a seating capacity of 200, and in the Apartment Lounge which seats 16.

The Culinary facility includes:

- Main Galley Kitchen
- Trade Test Kitchen
- European Kitchen
- NC3 Kitchen
- Baking Area
- Mess Hall Area
- Apartment Lounge
- Stewarding Area



ACCOMMODATION

We provide accommodation for our the trainees as this ensures their full attention is on training. The rooms are secure, comfortable, and encourage camaraderie. There are two types of lodgings in the UMTC complex: Dormitory and Hotel rooms.

■ DORMITORY

The newly expanded and refurbished dormitory is conveniently located within the UMTC Complex. It has both Standard Rooms and Superior Rooms available. UMTC can accommodate up to 650 Trainees and Guests daily.

Amenities include:

- WiFi connection
- Recreation Area with Darts and Billiards Table
- Vending Machines
- Gym
- Lounge

• Standard Dormitory

Standard Dormitory Rooms replicate quarters onboard with bunk beds very similar to those found on a ship. This is a fitting environment to help new seafarers adapt to life at sea.



• Superior Dormitory

Superior Dormitory Rooms are located on the sixth and seventh floors of the Dormitory. The rooms come with either two or four bunk beds, with en-suite toilet and shower. These more spacious rooms have European-inspired interior design which varies from room to room.



■ HOTEL

Sixteen rooms on the sixth floor of the Training Building are actual hotel rooms. They are available as single or double-occupancy.

The well-appointed rooms are named after lighthouses found along the German and Dutch coasts. Each room has en-suite toilet, shower, fitted with cable TV, safe deposit box and WIFI connection.



OTHER FACILITIES

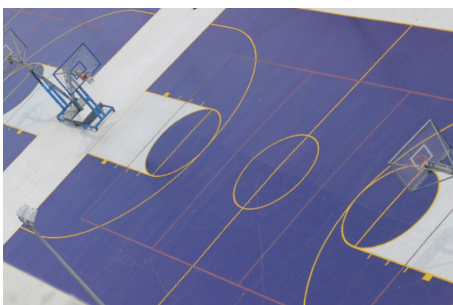
■ Library

UMTC also maintains a Library, well stocked with reference materials to aid the learning and training development processes.



■ Recreational Facilities

Several leisure facilities are also at the disposal of the trainees and dorm occupants during their downtime. These include the Gym, Basketball Courts, Badminton courts, and Recreation Area with billiards table and darts. Trainees are encouraged to adopt an active lifestyle to ensure their motivation, wellbeing and overall health.





TRAINING PROGRAMS

UMTC offers four structured training programs following a framework for Controlled Accelerated Promotion: Deck and Engine Prospective Officer Training Program, Electrical Cadet Training Program, and Ship's Cook Apprenticeship Training Program. Class lectures, practical instruction, audio-visual presentations, and computer-based simulations are utilized to train program trainees and shape them into highly capable Officers and Cooks.

This is only possible through the faculty members' expertise and knowledge of the maritime industry. These top caliber instructors are instrumental in ensuring the Prospective Officers and Cook trainees under their charge to obtain the skills in mastering the latest technology and industry operations.

UMTC Management provides a holistic approach to such training, utilising a Behaviourial Aptitude Training Coach to instil the values and qualities that will define every Prospective Officer and Cook Trainee and make them leaders in the Maritime industry.

THE DEMAND

International shipping demands well-trained, competent seafares to man ships. UMTC is comitted to providing these people by selecting high acheivers from our partner schools in the Philippines and training them to high standards to meet the requirements of the industry.

THE SOLUTION AND THE PROVIDER

To enhance the educational background of trainees, UMTC offers one of the most up-to-date cadet training programs globally, in line with the actual demands of the industry. UMTC is well known in the industry for its relevant and progressive curriculum; a roster of highly qualified instructors and industry practitioners; and the latest training equipment to shape highly competent, determined, and service-oriented prospective officers.



THE CANDIDATES

UMTC works with its clients to help manage the selection process to ensure only the most qualified and deserving candidates are selected for the cadet training programs.

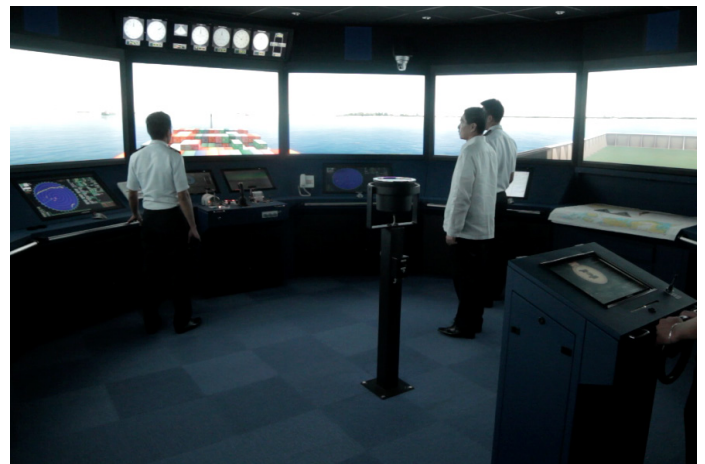
To meet the high standards of the Industry, UMTC is cooperating with some of the best maritime schools in the country to source candidates and enhance educational levels in these schools by providing teaching methodology and techniques for teachers in the maritime context.

All program trainees are housed in dormitory style accommodation and are supervised 24 / 7 by dedicated staff who are responsible for their Health, Safety and Welfare, whilst under training at UMTC.

UMTC provides the Prospective Officers and Cook Trainees every advantage to ensure their success in the maritime industry. It is their hope that these future leaders not only apply the technical know-how but also exhibit the dedication, integrity, and strength of character expected for a future Management Level Officer or Chief Cook.

DECK AND ENGINE PROSPECTIVE OFFICER TRAINING PROGRAM

These training programs are designed for university graduates, Deck and Engine Prospective Officers, who wish to become Management Level Officers. The program is composed of three (3) training blocks consisting of lectures and practical training and assessment. Blocks 1 & 2 are followed with a shipboard training assignment onboard a Client manned vessel. During this sea service, all trainees are tasked to complete the ISF Training Record Book to document their training experience. During Block 3, the Prospective Officers prepare for their OIC licensure examination and Certificate Of Competency assisted by UMTC staff..



ELECTRICAL CADET TRAINING PROGRAM

This training program trains licensed Electrical Engineers and Electronics & Communication Engineers to become Electro-technical Officers who can expertly operate, maintain and repair all electrical, electronic, automated and refrigeration systems on board. The program is composed of three (3) training blocks that consist of lectures and practical application. Blocks 1 & 2 are followed with a shipboard training assignment onboard a Client manned vessel. During sea service, all trainees are tasked to complete a Training Record Book to document their training experience..



SHIPS' CULINARY APPRENTICESHIP TRAINING PROGRAM

The aim of this program is to develop highly skilled home-grown cooks who can operate in the international shipping market serving quality food and maintaining high levels of food hygiene. The program comprises of four (4) months training ashore, followed by work experience onboard a Client manned vessel for a period of three (3) months understudying the qualified Cook onboard.



For inquiries about the program, please contact our Sales and Marketing Department:

T: +63 2 981 6682 loc. 2131 / 2144 / 2133 / 2128

E: marketing@umtc.com.ph



COMING-UP 2017

Continuous Proficiency Development for Deck Officers

These are a series of promotional and competency assurance courses developed for Operational and Management Level Deck Officers. Each course focuses on the job specific competencies and ensures that the most up to date regulatory requirements are effectively cascaded "Just In Time" for promotion:

For Operational Level Deck Officers

- Terrestrial and Coastal Navigation - Plan and conduct a passage and determine position
- International Collision Avoidance Regulation, 1972, as amended
- Cargo Handling and Stowage - Monitor the loading, stowage, securing, care during the voyage and the unloading of cargoes
- Maritime Law - Legislative Requirements
- Seamanship - Berthing and mooring operation and safe operation of deck equipment
- Maintain a safe navigational watch and plan and conduct a passage - Voyage planning
- Maneuvering and handle the ship in all condition.

For Chief Officers and 2nd Officer for promotion

- Stability and Trim
- Voyage Planning and Risk Analysis
- Ships Technique and Technology
- COLREGS – review
- Ship Handling and Maneuvering
- Cargo Handling and Stowage
- Meteorology
- Seamanship

For Masters and Chief Officers for promotion

- Stability and Trim
- Ship Handling and Maneuvering
- Meteorology

Continuous Proficiency Development for Engine Officers

These are a series of promotional and competency assurance courses developed for Operational and Management Level Engine Officers. Each course focuses on the job specific competencies and ensures that the most up to date regulatory requirements are effectively cascaded "Just In Time" for promotion.

For Operational Level Engineers

- Bunkering Operations
- Pump Technology
- Purifier and Compressors
- Maintenance of Deck Equipment and Cranes
- Arc and Gas Welding
- Lathe Machine Operations
- MARPOL
- Engine Room Watch Keeping

For 2nd Engineers and 3rd Engineer for promotion

- Bunkering
- Maritime Law
- Maintenance of Main and Auxiliary Engines
- Maintenance of Turbocharger
- Maintenance of Pumps and Valves
- Ship Energy Efficiency Management Plan (SEEMP)
- Marine High Voltage
- Steering Gear System
- Hydraulic and Pneumatic control systems
- Arc and Gas Welding
- Lathe Machine Operation
- Reports and Log Books
- Engine Room Management (ERM)

For Chief Engineers and 2nd engineers for promotion

- Admiralty Law
- Ship Energy Efficiency Management Plan (SEEMP)
- Monitoring of Main and Auxiliary Engine Operation
- Steering Gear System
- Marine High Voltage
- Engine Resource Management

COURSE OVERVIEW

COURSE NAME	DURATION	COST	PAGE
STCW COURSES			
Electro-Technical Officer Training Program	92 days	\$6,605	26
Engine Room Resource Management	2 days	\$130	26
Engine Room Simulator with Engine Room Resource Management	5 days	\$285	26
GOC for GMDSS	17 days	\$540	26
Marine High Voltage	5 days	\$550	27
Medical Emergency First Aid	4 days	\$120	27
New MLC for Marine Deck Officers Function 1	30 days	\$1,435	27
New MLC for Marine Deck Officers Function 2	10 days	\$455	27
New MLC for Marine Deck Officers Function 3	14 days	\$635	27
Operational Use of Electronic Chart Display and Information System	5 days	\$205	27
Ship Security Awareness Training and Seafarers with Designated Security Duties	1 day	\$40	27
Ship Security Officer	3 days	\$135	28
Ship Simulator and Bridge Teamwork with Bridge Resource Management	5 days	\$365	28
Updating Course for Management Level Marine Deck Officers Function 1	8 days	\$400	28
Updating Course for Management Level Marine Deck Officers Function 3	4 days	\$185	28
Updating Training for Officers in Charge of a Navigational Watch Function 1: Part A	2 days	\$135	29
Updating Training for Officers in Charge of a Navigational Watch Function 3: Part A	5 days	\$170	29
Updating Training for Officers in Charge of an Engineering Watch Function 1: Part A	7 days	\$240	29
Updating Training for Officers in Charge of an Engineering Watch Function 2: Part A	3 days	\$140	29
Updating Training for Officers in Charge of an Engineering Watch Function 4: Part A	4 days	\$135	29
DECK COURSES			
Ballast Water Management	1 day	\$40	30
Bridge Watchkeeping Refresher Training	5 days	\$360	30
Collision Avoidance Course	5 days	\$225	30
Commercial Admiralty Law	3 days	\$185	30
Consolidated MARPOL 73/78 Course	5 days	\$140	5
Crane Handling Simulator	2 days	\$175	30
DSC & VHF Radio Communications	2 days	\$85	31
ECDIS Type Specific Training	2 days	\$760	31
Heavy Lift Course	4 days	\$570	31
Loading-Unloading Procedure and Principles of Draught Survey for Bulk Carriers	5 days	\$465	31
Master-Pilot Relationship Course	4 days	\$1,080	31
Passage Planning Technique and Nautical Publications Management for Officers	3 days	\$175	31
Practical Bridge Watchkeeping for Prospective Officers	5 days	\$325	31
Practical Deck Skills	11 days	\$540	32



COURSE OVERVIEW

COURSE NAME	DURATION	COST	PAGE
Rigging of Pilot Ladder	1 day	\$40	32
Rope Works and Splicing for Ratings	3 days	\$115	32
Safe Mooring Operation	3 days	\$265	32
Securing of General and Heavy Lift Cargoes for Officers	4 days	\$260	32
Securing of General and Heavy Lift Cargoes for Ratings	3 days	\$215	33
Ship Handling and Maneuvering for Officers	5 days	\$580	33
Steering Course	1 day	\$80	33
Surface Preparation and Painting	2 days	\$135	33
Working at Heights	3 days	\$135	33
ENGINE COURSES			
Basic Lathe Machine Operations	5 days	\$250	34
Engine Boy Introductory Course	12 days	\$540	34
Engine Room Familiarization	3 days	\$160	34
Engine Room WatchKeeping Refresher Training	5 days	\$310	34
Offhand Grinding and Drilling Operations	1 day	\$85	34
Operation and Maintenance of MAN 2-Stroke Diesel Engines	4 days	\$280	34
Operation and Maintenance of MAN 4-Stroke Diesel Engines	5 days	\$350	34
Operation and Maintenance of MAN Turbochargers	3 days	\$330	35
Practical Workshop Skills	10 days	\$380	35
Welding Training for Class Certification	8 days	\$585	35
MAN DIESEL COURSES			
ME Control System Standard Operation Course	5 days	€2,925	36
ME Electrician Standard Maintenance Course	4 days	€2,340	36
Four-Stroke Engine Standard Operation Course	5 days	€2,925	36
Two-Stroke Engine Standard Optimization Course	5 days	€2,925	37
L27/38 Standard Operation & Maintenance Training Course	5 days	€2,925	37
ALFA LAVAL COURSES			
MODULE 1 Alfa Laval Marine and Power Operation and Maintenance of Ship's Fuel, Lube Oil, and Central Cooling Systems	5 days	\$575	38
MODULE 2 Alfa Laval Marine and Power Operation and Maintenance of Ship's Fuel, Lube Oil, and Central Cooling Systems	5 days	\$575	39
Engine Room Personnel Evaluation	1 day	\$115	40
Fuel Management	3 days	\$345	40
Bilge Water and Oil Treatment System	3 days	\$345	40
Auxiliary Boiler System	5 days	\$575	41

COURSE OVERVIEW

COURSE NAME	DURATION	COST	PAGE
ELECTRO - TECHNICAL COURSES			
Basic Control Engineering	5 days	\$345	42
Basic Electrical Engineering and Troubleshooting	5 days	\$345	42
Electro-hydraulics and Electro-Pneumatics for Marine Applications	3 days	\$215	42
Marine Electro-technology	5 days	\$345	42
Marine High Voltage	5 days	\$550	27
Pneumatics and Hydraulics for Marine Applications	5 days	\$345	42
Programmable Logic Controllers	5 days	\$345	43
Reefer Container Handling Familiarization Training	1 day	\$65	43
Reefer Container Maintenance and Troubleshooting	1 day	\$120	43
Refrigerant Gases Manipulation and Reeferman Training	5 days	\$480	43
Refrigeration and Air-Conditioning System	5 days	\$330	43
GENERAL COURSES			
Anti Piracy Awareness Training for Officers	1 day	\$40	44
Anti Piracy Awareness Training for Ratings	1 day	\$35	44
Container Lashing	2 days	\$95	44
Electric Arc Welding	5 days	\$325	44
Fire Fighting Refresher Training	2 days	\$155	44
GL ShipManager Familiarization Training	1 day	\$180	44
Guidance to Port State Control Inspection	1 day	\$40	45
Hazardous Materials for Officers	3 days	\$120	45
Inspection and Maintenance of Breathing Apparatus Compressor	1 day	\$140	45
Inspection and Maintenance of Portable Fire Extinguisher	1 day	\$90	45
Inspection and Maintenance of Self-Contained Air Breathing Apparatus	1 day	\$90	45
International Safety Management for Officers	2 days	\$70	45
International Safety Management for Ratings	1 day	\$35	45
Maritime Resource Management	4 days	\$320	46
Oxy-Acetylene Gas Welding	5 days	\$290	46
Safety Awareness Training Program	1 day	\$35	46
Seafastening Welding Course	4 days	\$345	46
Shipboard Safety Officer Course	3 days	\$115	46
CULINARY COURSES			
Asian Cuisine	5 days	\$310	47
European Cuisine	10 days	\$640	47
Food Safety and Sanitation	1.5 days	\$60	47
Fundamentals of Baking and Pastry	5 days	\$340	47
Galley Administration	3 days	\$130	47
Healthy Green Cooking	3 days	\$220	47



COURSE OVERVIEW

COURSE NAME	DURATION	COST	PAGE
CULINARY COURSES			
Ship's Catering NC I (Messman)	5 days	\$235	47
Ship's Catering NC III (Ship's Cook)	10 days	\$500	47
ASSESSMENTS / TRADE TESTS			
Bureau Veritas Welding Trade Test/Revalidation	1 day	\$430	48
Crane Handling Assessment	1 day	\$195	48
Deck Officer Competency Evaluation Management Level (DOCE-ML)	1 day	\$190	48
Deck Officer Competency Evaluation Operational Level (DOCE-OL)	1 day	\$190	48
Electro-Technical Officer Practical Assessment	1 day	\$165	49
Electro-Technical Rating Practical Assessment	1 day	\$120	49
Electro-Technical Officer Competency Evaluation	1 day	\$190	49
Engine Officer Competency Evaluation for Management Level	1 day	\$190	49
Engine Officer Competency Evaluation for Operational Level	1 day	\$190	49
Ship's Catering NC-III: Portfolio Assessment	1 day	\$29	49
Ship's Catering NC-III: Written Assessment plus Demonstration of Practical Cookery	1 day	\$11	49
Ship's Catering NC-III: Written and Practical Assessment	1 day	\$29	49
Trade Test - Cook Applicant	1 day	\$210	48

OTHER SERVICES

ACCOMMODATION			
Standard Dormitory	1 day	\$8	15
Superior Dormitory	1 day	\$14	15
Hotel - Double Occupancy with Breakfast, Lunch & Dinner	1 day	\$50	15
Hotel - Single Occupancy with Breakfast, Lunch & Dinner	1 day	\$70	15
EUROPEAN CUISINE MEALS			
Breakfast	-	\$5	-
Lunch	-	\$8.5	-
Dinner	-	\$7.5	-
EURO-ASIAN CUISINE MEALS			
Breakfast	-	\$3.5	-
Lunch	-	\$8.5	-
Dinner	-	\$5	-
PACKAGES AT STANDARD DORMITORY			
A - Accommodation Only	1 day	\$8	-
B - Accommodation + Lunch	1 day	\$16	-
C - Accommodation + Breakfast + Lunch + Dinner	1 day	\$24	-
TRANSPORTATION			
Please contact Sales & Marketing Department for arrangement.			

Note: Price might change without prior notice.



COURSE LIST

UMTC's training portfolio covers over 110 courses, including STCW, Deck, Engine, MAN Diesel, Electro-technical, Culinary, General and Assessment/Trade Tests.

Several of UMTC's courses have been certified and recognized by various accrediting bodies and organizations. Through the expertise and competency of UMTC's instructors and course developers, a number of courses have been adapted by MARINA as the template and benchmarking tool to be used by maritime training centers nationwide.

Among these courses are:

- Ship Security Awareness Training and Seafarers with Designated Security Duties
- Ship Security Officer (SSO) 2012.Ed.
- ECDIS 2012.Ed.

Our state-of-the-art facilities and equipment, competent teaching faculty and relevant course design have ensured our trainees are well equipped to face the challenges of the shipping industry.

Also, we recognize the individuality of each shipping company. We are here to collaborate and formulate a custom-made training program that caters to an organization's specific needs.

For inquiries on company-specific courses that suit your specific training requirements, please contact our Sales and Marketing Department.

T: (+632) 981 6682 loc. 2131 / 2144 / 2133 / 2128

E: marketing@umtc.com.ph

STCW COURSES

Electro-Technical Officer Training Program

Course Duration: 92 days

Published Rate: \$6,605

This training course provides modular training that covers the competencies specified for Electro-technical Officers required to operate, maintain and repair electrical and electronic equipment, control systems, instrumentation systems and automation systems onboard modern ships in accordance with Section A-III/6 and Table A-III/6 of the STCW Code 2010 Manila Amendments.

CLUSTER 1: MARINE ENGINEERING SYSTEMS

- Thermodynamics for Marine Applications
- Auxiliary Machineries and Engine Room Familiarization
- Engine Technology
- Refrigeration & Air-Conditioning Systems
- Practical Workshop Skills

CLUSTER 2: ELECTRICAL AND ELECTRONIC SYSTEM

- Introduction to Marine Electro-Technology
- Electrical Equipment, Schematics and Safety
- Generators and Distribution Systems
- Ship's Communication Systems and Bridge Navigation Equipment
- Marine High Voltage

CLUSTER 3: AUTOMATION AND CONTROL TECHNOLOGY

- Pneumatics and Hydraulics for Marine Applications
- Electro-Hydraulics
- Electro-Pneumatics
- Programmable Logic Controllers
- Instrumentation, Automation and Alarm Systems

CLUSTER 4: ANCILLARY TRAINING

- Use of English Language in Oral and Written Form
- Ensure Compliance with Pollution Prevention Requirements
- Leadership and Teamworking Skills

Engine Room Resource Management

Course Duration: 2 days

Published Rate: \$130

This training course includes lectures, demonstrations, practical exercises, and assessments pursuant to Regulations III/1, III/2 and III/6 of the 1978 STCW Convention, as amended, covering the applicable minimum requirements specified in Sections A-III/1, A-III/2, A-III/6 and A-VIII/2 of the STCW Code 2010 Manila Amendments.



Engine Room Simulator with Engine Room Resource Management

Course Duration: 5 days

Published Rate: \$285

This training course includes lectures, demonstrations, practical exercises, and assessments pursuant to Regulations III/1 and III/2 of the 1978 STCW Convention, as amended, covering the applicable minimum requirements specified in Sections A-III/1, A-III/2 and A-VIII/2 of the STCW Code 2010 Manila Amendments taking into account the recommendations and guidelines set in the IMO Model Course 2.07, Engine-Room Simulator 2002 Edition.

GOC for GMDSS

Course Duration: 17 days

Published Rate: \$540

This training course covers lectures, demonstrations, practical exercises and assessments in the use of various GMDSS equipment complying with the requirements of the National Telecommunications Commission (NTC) Memorandum Circular 17-12-2002 and pursuant to the provisions of E.O 75 and Maritime Industry Authority (MARINA) Circular No. 2013-01, Series of 2012, meeting the specification of minimum standard of competence for GMDSS Radio Operators defined in Section A-IV/2, of the STCW Code 2010 Manila Amendments taking into account the guidelines recommended in IMO Model Course 1.25 General Operator's Certificate for the Global Maritime Distress and Safety System (GMDSS).

The GMDSS simulators used for the course meet the performance standards set forth in Section A-I/12 of the STCW Code 2010 Manila Amendments.

STCW COURSES

Marine High Voltage

Course Duration: 5 days
Published Rate: \$550

This training course covers lectures, practical demonstrations, laboratory exercises, case studies, and assessments in the safe operation, testing and maintenance of marine high voltage electrical systems, meeting the specification of minimum standards of competence for engine officers prescribed in the relevant sections of Tables A-III/1, A-III/2, and A-III/6 and complying with the recommendations of Section B-III/2, Guidance regarding training of engineering personnel having management responsibilities for the operation and safety of electrical power plant above 1,000 volts, of the STCW Code 2010 Manila Amendments.

Medical Emergency First Aid

Course Duration: 4 days
Published Rate: \$120

This training course includes lectures, demonstrations, practical exercises and assessments pursuant to Regulations VI/4- 1 of the 1978 STCW Convention, as amended, covering the mandatory minimum requirements specified in Section A- VI/4-1 of the STCW Code 2010 Manila Amendments taking into account the recommendations and guidelines set in the IMO Model Course 1.14, Medical First Aid 2000 Edition.

New MLC for Marine Deck Officers Function 1

Course Duration: 30 days
Published Rate: \$1,435

This training course covers the mandatory competence and the required knowledge, understanding and proficiencies prescribed in the function navigation at the Management Level, Table A-II/2 of the STCW Code 2010 Manila Amendments, taking into account the recommendations in the IMO Model Course 7.01, Master and Chief Mate, and in compliance with the Maritime Industry Authority (MARINA) Memorandum Circular No. 2014-01, Series of 2014.

New MLC for Marine Deck Officers Function 2

Course Duration: 10 days
Published Rate: \$455

This training course covers the minimum standard of competence for Masters and Chief Mates on ships 500 gross tonnage or more as prescribed in function Cargo Handling and Stowage at the Management Level, Table A-II/2 of the STCW Code 2010 Manila Amendments, taking into account the recommendations in the IMO Model Course 7.01, Master and Chief Mate, and in compliance with the Maritime Industry Authority (MARINA) Memorandum Circular No. 2014-01, Series of 2014.

New MLC for Marine Deck Officers Function 3

Course Duration: 14 days
Published Rate: \$635

This training course covers the mandatory requirements for knowledge, understanding and proficiencies prescribed in function Controlling the Operation of the Ship and Care for Persons Onboard at the Management level, Table A-II/2 of the STCW Code 2010 Manila Amendments, taking into account the recommendations in the IMO Model Course 7.01, Master and Chief Mate, and in compliance with the Maritime Industry Authority (MARINA) Memorandum Circular No. 2014-01, Series of 2014.

Operational Use of Electronic Chart Display and Information System

Course Duration: 5 days
Published Rate: \$205

This training course includes lectures, demonstrations and practical exercises in the use of ECDIS meeting the requirements prescribed in Tables A-II/1, A-II/2 and A-II/3, as well as with the revised guidelines pertaining to training and assessment in the operational use of ECDIS in Table B-I (Paragraphs 36-66); Assessment in Navigational Watchkeeping and Evaluation of Competence, both in Table B-II of the STCW Code 2010 Manila Amendments. It takes into account the recommendations of ECDIS IMO Model Course 1.27, 2012 Edition.

Ship Security Awareness Training and Seafarers with Designated Security Duties

Course Duration: 1 day
Published Rate: \$40

This training course covers lectures and practical demonstration on the applicable provisions of the ISPS Code and Chapter XI-2 (Special Measures to Enhance Maritime Security), of SOLAS 74, as amended, and meets the requirements of Regulation VI/6 (Mandatory Minimum Requirements for Security-related Training and Instruction for all Seafarers), of the 1978 STCW Convention, as amended; and Section A-VI/6, Paragraph 4-8, Tables A-VI/6-1 and A-VI/6-2 of the STCW Code 2010 Manila Amendments, taking into account the recommendations prescribed in the IMO Model Course 3.26, Security Training for Seafarers with Designated Security Duties, 2012 Edition and IMO Model Course 3.27, Security Awareness Training for All Seafarers, 2012 Edition.

STCW COURSES

Ship Security Officer

Course Duration: 3 days
Published Rate: \$135

This training course covers the duties and responsibilities of an SSO as defined in Sections A/2.1.6 and A/12.2 of the International Ship and Port Facility Security (ISPS) Code and the competencies prescribed in Table A-VI/5 of the STCW Code 2010 Manila Amendments, taking into account the recommendations in the IMO Model Course 3.19 2012 Edition.

Ship Simulator and Bridge Teamwork with Bridge Resource Management

Course Duration: 5 days
Published Rate: \$365

This training course covers lectures and discussions aided by interactive computer-based training modules that examine the human interaction and management situations used in the principles of bridge resource management. It includes theoretical lectures on basic ship handling techniques reinforced by a series of practical application exercises under various environmental conditions and various conditions of traffic performed in the full-mission bridge and mini-bridge simulators. This meets the requirements prescribed in Tables A-II/1-3, and Sections A-VIII/2 & B-VIII/2 of the STCW Code 2010 Manila Amendments and the U.S. Coast Guard 33 Code of Federal Regulations (CFR) - 157.415 taking into account the guidelines set forth in the IMO Model Course 1.22.

Updating Course for Management Level Marine Deck Officers Function 1

Course Duration: 8 days
Published Rate: \$400

This training course covers the topics of Function 1, intended for Management Level Marine Deck Officers who were certified under the STCW'78 Code as amended in 1995 to meet the additional knowledge, understanding and proficiencies (KUPs) under Table A-II/2 (Navigation at the Management Level) of the 2010 STCW Manila Amendments.



Updating Course for Management Level Marine Deck Officers Function 3

Course Duration: 4 days
Published Rate: \$185

This training course includes the topics of Function 3, "Use of Leadership and Managerial Skills" intended for Management Level Deck Officers who were certified under the STCW'78 Code as amended in 1995 to meet the additional knowledge, understanding and proficiencies (KUPs) under Table A-II/2 (Navigation at the Management Level) of the 2010 STCW Manila Amendments in "Controlling the Operation of the Ship and Care for Persons on Board at the Management Level".

STCW COURSES

Updating Training for Officers in Charge of a Navigational Watch Function 1: Part A

Course Duration: 2 days
Published Rate: \$135

This training course covers the new knowledge, understanding and proficiency (KUP's) for the function Navigation at the Operational Level as prescribed in Section A-II/1 and Table A-II/1 and applicable KUP's leading to certain competencies in the Management Level as prescribed in Section A-II/2 and Table A-II/2 of the 2010 Manila Amendments to the STCW Code that are now incorporated in the new Bachelor of Science in Marine Transportation (BSMT) curriculum to align and prepare the Officers in Charge of Navigational Watch in taking the new Management Level Course for Marine Deck Officers.

Updating Training for Officers in Charge of a Navigational Watch Function 3: Part A

Course Duration: 5 days
Published Rate: \$170

This training course covers the new knowledge, understanding and proficiency (KUP's) leading to Management Level Deck competencies that are now incorporated in the new Bachelor of Science in Marine Transportation (BSMT) curriculum to align and prepare the Officers in Charge of Navigational Watch in taking the new Management Level Course for Marine Deck Officers.

Updating Training for Officers in Charge of an Engineering Watch Function 1: Part A

Course Duration: 7 days
Published Rate: \$240

This training course covers the new knowledge, understanding and proficiency (KUP) for the function in Marine Engineering at the Operational Level prescribed in Section A-III/1 and Table A-III/1 and selected KUPs leading to certain competencies in Marine Engineering at the Management Level prescribed in Section A-III/2 and Table A-III/2 of the 2010 Manila Amendments to the STCW Code, taking into account the recommendations in the IMO Model Courses 7.04 and 7.02 and in compliance with the Maritime Industry Authority (MARINA) STCW Circular No. 2015-03, Series of 2015.

Updating Training for Officers in Charge of an Engineering Watch Function 2: Part A

Course Duration: 3 days
Published Rate: \$140

This training course covers the new knowledge, understanding and proficiency (KUP) for the function Electrical, Electronic and Control Engineering at the Operational Level as prescribed in Section A-III/1 and Table A-III/1 and selected KUPs leading to certain competencies in the Management Level prescribed in Section A-III/2 and Table A-III/2 of the 2010 Manila Amendments to the STCW Code taking into account the recommendations in the IMO Model course 7.04 and 7.02 and in compliance with the Maritime Industry Authority (MARINA) STCW Circular No. 2015-03, Series of 2015.

Updating Training for Officers in Charge of an Engineering Watch Function 4: Part A

Course Duration: 4 days
Published Rate: \$135

This training course covers the new knowledge, understanding and proficiency (KUP) for the function Controlling the Operation of the Ship and Care for Persons onboard at the Operational Level as prescribed in Section A-III/1 and selected KUPs leading to certain competencies in the Management Level prescribed in Section A-III/2 and Table A-III/2 of the 2010 Manila Amendments to the STCW Code, taking into the account the recommendations in the IMO Model Courses 7.04 and 7.02 and in compliance with the Maritime Industry Authority (MARINA) STCW Circular No. 2015-03, Series of 2015.

DECK COURSES

Ballast Water Management

Course Duration: 1 day
Published Rate: \$40

This training course include lectures and assesment of the guidelines defined in the International Convention for the Control and Management of Ship's Ballast Water and Sediments (BWM Convention) 2004, the Guidelines for the Control and Management of Ship's Ballast Water to Minimize the Transfer of Harmful Aquatic Organisms and Pathogens, IMO Resolution A.868(20), and the applicable sections of the United States Vessel General Permit for Discharge Incidental to the Normal Operation of Vessels (VGP), taking into account the recommendations for competence requirements prescribed in the tables of Section A of the STCW Code 2010 Manila Amendments.

Bridge Watchkeeping Refresher Training

Course Duration: 5 days
Published Rate: \$360

This training course includes lectures and assessment using tabletop exercises focused on the competence requirements for Officers-in-Charge of a Navigational Watch.

Meeting the requirements prescribed in Table A-II/1 (Navigation at the Operational Level) and Table A-II/2 (Navigation at the Management Level) of the STCW Code 2010 Manila Amendments.

Collision Avoidance Course

Course Duration: 5 days
Published Rate: \$225

This training course is based on Convention on the International Regulations for Preventing Collisions at Sea, 1972 (COLREGs). The course content covers Technical Provisions of the code, Part A General Rules, Part B Steering and Sailing Rules using computer-aided technology to illustrate the principles and objectives of collision aviodance regulations

Commercial Admiralty Law

Course Duration: 3 days
Published Rate: \$185

This training course provides the underpinning knowledge of Commerical Admiralty Law for Officers. It provides the most up to date information for the legal requirements to operate a Commercial vessel, including Cargo handling and Controlling the operation of the ship and care of persons onboard at the Management Level.



Consolidated MARPOL 73/78 Course

Course Duration: 5 days
Published Rate: \$140

This training course includes lectures and practical demonstraions to meet the competency requirements for the pollution prevention regulations, as stated in the MARPOL. International Convention for the Prevention of Pollution from Ships, 1973, as modified by the 1978 and 1997 Protocols

Crane Handling Simulator

Course Duration: 2 days
Published Rate: \$175

This training course includes lectures, practical exercises, and assessment utilizing crane handling simulation. The course covers all aspects of lifting and the safe operation of pedestal cranes taking into account the recommendation prescribed in the applicable sections of Tables A-II/1, A-II/2, and A-II/5 of the STCW Code 2010 Manila Amendments, taking into account the recommended guidelines in the Code of Safe Working Practice for Merchant Seaman, ILO Convention 152, and the ISM Code.

The crane models used for the course are the MITSUBISHI type pedestal crane for single crane operations and the Neuenfelder Maschinen Fabrikeurope (NMF) type pedestal crane for the dual crane operations.

DECK COURSES

DSC & VHF Radio Communications

Course Duration: 2 days
Published Rate: \$85

This training course covers lectures, discussions, demonstrations, practical exercises and assessments of the applicable STCW Code Chapter IV (Radio Communication and Radio Operators), Table A-IV/2 Specification of Minimum Standard of Competence for GMDSS Radio Operators and Radio Communication at the Operational Level of the STCW Code 2010 Manila Amendments.

ECDIS Type Specific

Course Duration: 2 days
Published Rate: \$760

This training course provides theory and practical training in the use of the following systems for navigating a vessel using ECDIS.

- ChartWorld (eGlobeTM)
- DANELEC Marine
- Imtech Marine (Seaguide ECDIS)
- MARKTEK Marine
- NG Sperry Marine (VisionMaster FT ECDIS)
- Raytheon Anschutz (Synapsis ECDIS/NSC ECDIS)
- SAM Electronics (ECDISPILOT Platinum and Basic)

Certificate of Completion will be issued by ECDIS Training Consortium (ETC) and Marine Serve GmbH (MSG) of Germany.

Heavy Lift Course

Course Duration: 4 days
Published Rate: \$570

This training course covers the theoretical components in planning, handling, stowage, and securing of heavy lift cargoes, to practical application in loading and discharging taking into account the industry's recommended guidelines and meeting the requirements prescribed in the applicable sections of Tables A-II/1 and A-II/2, Cargo Handling and Stowage, of the STCW Code 2010 Manila Amendments.

Loading-Unloading Procedures and Principles of Draught Survey for Bulk Carriers

Course Duration: 5 days
Published Rate: \$465

This training course provides training in loading and unloading procedures of solid bulk cargoes and the principles of draught survey of various dry bulk cargoes.

Master-Pilot Relationship Course

Course Duration: 4 days
Published Rate: \$1,080

This training course covers:

- A brief repetition of the Bridge Resource Management System
- Ship handling and maneuvering with and without tug assistance; in confined waters; with and without tug assistance; under impact of wind and current; docking and undocking of the ship if pilot is on board with tug assistance
- Master - Pilot rapport and communication
- Dealing with critical situation if the pilot is on board.

Passage Planning Technique and Nautical Publication Management for Officers

Course Duration: 3 days
Published Rate: \$175

This training course covers the principles and techniques of passage planning as required by SOLAS Chapter V, Regulation 34 and the requirements under Section A-II/1 and Section A-II/2 (Minimum Standards of Competence for Navigating Officers) of the STCW code, as amended. This course also takes into account the requirements prescribed in Section A-VIII/2, Part 2 of STCW Code, as amended as well as the guidelines and recommendations contained in IMO Resolution A.893 (21).

Practical Bridge Watchkeeping for Prospective officers

Course Duration: 5 days
Published Rate: \$325

This intensive summative assessment program measures the competency of Prospective Officers in realistic onboard conditions and watch keeping practices. It combines 24hr Bridge watch keeping in the Bridge Simulator wherein the PO follows a voyage plan and has to deal with Collision Avoidance and breakdown issues. Upon coming off watch the PO's are given seamanship tasks e.g. rigging a pilot ladder, mooring, corrosion control before resting and then returning on watch in the Bridge Simulator. This assessment provides comprehensive evidence that the PO has met the requirements of the STCW Code, as amended functions 1 & 3 Navigation at the operational level and Controlling the operation of the ship and care for persons onboard at the operational level.

DECK COURSES

Practical Deck Skills

Course Duration: 11 days

Published Rate: \$540

This training course includes lectures, demonstrations, practical exercises, and assessment of Seamanship Skills, including the proper use of different knots and splices, safe lashing, securing, and unlashings of containers, safe practices in working aloft and over the side, and contribute to berthing, anchoring and other mooring operations meeting the applicable requirements prescribed in Table A-II/5 of the STCW Code 2010 Manila Amendments taking into account the guidelines set forth in the United Kingdom's Maritime Coastguard Agency's Code of Safe Working Practices for Merchant Seamen, Consolidated Edition.

Rope Works and Splicing for Ratings

Course Duration: 3 days

Published Rate: \$115

This training course includes lectures and practical demonstrations of Seamanship Skills, specifically in identifying different types of ropes, knot tying and the different uses of knots, and wire rope and synthetic rope splicing. Meeting the competency requirements prescribed in the applicable sections of Table A-II/5, Contribute to the Safe Operation of Deck Equipment and Machinery, of the STCW Code 2010 Manila Amendments.

Rigging of Pilot Ladder

Course Duration: 1 day

Published Rate: \$40

This training course includes lectures, demonstrations, practical exercises, and assessment of safe rigging and unrigging of pilot ladder for pilot and other personnel transfers, meeting the competency requirements prescribed in Table A-II/5 (Contribute to the Safe Operation of Deck Equipment and Machinery) of the STCW Code 2010 Manila Amendments. The course is designed referencing the guidelines set forth in the United Kingdom's Maritime Coastguard Agency's Code of Safe Working Practices for Merchant Seamen, Consolidated Edition and the guidelines recommended by the International Maritime Pilot's Association on the required boarding arrangements for pilots.

Safe Mooring Operation

Course Duration: 3 days

Published Rate: \$265

The course has been designed referencing the recommendations prescribed in the Code of Safe Working Practices for Merchant Seaman (Consolidated Edition), of the United Kingdom's Maritime Coast Guard Agency (MCA). This training course includes the competencies required, defined in Section A-II/5 of the STCW Code 2010 Manila Amendments.



DECK COURSES

Securing of General and Heavy Lift Cargoes for Officers

Course Duration: 4 days
Published Rate: \$260

This training course includes the methods and procedures for safe stowage, lashing and securing of the most common general cargo up to specialized project (heavy lift) cargoes; from proper planning, calculations and assessment to practical application of lashing, securing, and bedding arrangements, taking into account the industry's recommended guidelines and meeting the requirements prescribed in the applicable sections of Tables A-II/1 and A-II/2, Cargo Handling and Stowage, of the STCW Code 2010 Manila Amendments.

Securing of General and Heavy Lift Cargoes for Ratings

Course Duration: 3 days
Published Rate: \$215

This training course includes the methods and procedures for safe stowage, lashing and securing of the most common general cargo up to specialized project (heavy lift) cargoes; from proper planning and assessment to practical application of lashing, securing, and bedding arrangements taking into account the industry's recommended guidelines and meeting the requirements prescribed in the applicable sections of Table A-II/5, Cargo Handling and Stowage at the Support Level of the STCW Code 2010 Manila Amendments.

Ship Handling and Maneuvering for Officers

Course Duration: 5 days
Published Rate: \$580

This training course covers the competencies prescribed in Table A-II/1 (Maneuver the Ship) and Table A-II/2 (Maneuver and Handle a Ship in all Conditions) of the STCW Code 2010 Manila Amendments meeting the requirements of Regulations II/1 and II/2 of the STCW Convention, as amended.

Steering Course

Course Duration: 1 day
Published Rate: \$80

This training course includes theory and practical exercises in steering different types of ships under different conditions taking into account the recommendations prescribed in Table A-II/4 (Steer the Ship and also comply with Helm Orders in English language) of the STCW Code 2010 Manila Amendments using the full-mission and the mini-bridge simulators.



Surface Preparation and Painting

Course Duration: 2 days
Published Rate: \$135

This training course includes theory and practical exercises in deck maintenance and repair routines, specifically on surface preparation and painting meeting the requirements of Regulation II/5 (Maintenance and Repair at the Support Level) of the STCW Code 2010 Manila Amendments, adopting the guidelines set forth in the United Kingdom Maritime Coastguard Agency's Code of Safe Working Practices for Merchant Seamen.

Working at Heights

Course Duration: 3 days
Published Rate: \$135

This training course includes lectures, demonstrations, practical exercises and assessments in safe practices when working aloft, working over the side, working at heights inside cargo holds and ballast tanks and the permit to work systems meeting the requirements specified in relevant sections in Table A-II/5 of the STCW Code of Manila Amendments and the industry best management practices taking into account the guidelines set forth in the United Kingdom's Maritime Coastguard Agency's Code of Safe Working Practices Merchant Seamen Consolidated Edition.

ENGINE COURSES

Basic Lathe Machine Operations

Course Duration: 5 days

Published Rate: \$250

This training course includes safe working practices in the operation of an engine lathe applying several turning operations to accomplish a project specimen meeting the requirements specified in relevant sections in Table A-III/5 of the STCW Code 2010 Manila Amendments taking into account the guidelines set forth into IMO Model Course 2.01.



Engine Room Introductory Course

Course Duration: 12 days

Published Rate: \$540

This training course includes Engine Room Familiarization and Practical Workshop Skills focusing on using precision measuring tools and commonly used hand and power tools onboard ship.

Engine Room Familiarization

Course Duration: 3 days

Published Rate: \$160

This training course includes familiarization of shipboard organization, engine room machineries, equipment, engine room layouts, the arrangement of the plant, main and auxiliary machineries and associated control systems in compliance with Regulation III/1 of the Manila Amendments to the STCW Convention and Section A-III/1 and Table A-III/1 of the Manila amendments to the STCW Code for the Function of Marine Engineering at the Operational Level.

Engine Room WatchKeeping Refresher Training

Course Duration: 5 days

Published Rate: \$310

This training covers the Marine Engineering Function for both Operational and Management levels as per STCW Tables A-III/1 & A-III/2.

Offhand Grinding and Drilling Operations

Course Duration: 1 day

Published Rate: \$85

This training course includes safe working practices in the operation of a bench grinder and drill press meeting the requirements specified in relevant sections in Table A-III/5 of the STCW Code 2010 Manila Amendments taking into account the guidelines set forth in IMO Model Course 2.01.

Operation and Maintenance of MAN 2-Stroke Diesel Engines

Course Duration: 4 days

Published Rate: \$280

This training course includes topics on the working principles, operation, maintenance and inspection of MAN 2-Stroke diesel engine in compliance with Sections A-III/1, A-III/2 and Tables A-III/1, and A-III/2 of the STCW Code 2010 Manila Amendments.

Operation and Maintenance of MAN 4-Stroke Diesel Engines

Course Duration: 5 days

Published Rate: \$350

This training course is practical based and consists of a series of exercises performed on MAN 4-stroke diesel engines component in compliance with Regulation III/1 of the Manila Amendment to the STCW Convention and Sections A-III/1 and A-III/2, and Tables A-III/1 and Tables A-III/2 of the Manila Amendments. Each exercise will involve dismantling, assembling or testing engine components, as well as measuring and recording vital data.

ENGINE COURSES

Operation and Maintenance of MAN Turbochargers

Course Duration: 3 days
Published Rate: \$330

This training course includes practical exercises performed on MAN Turbocharger components in compliance with Regulation III/1 and Sections A-III/1 and A-III/2, and Tables A-III/1 and A-III/2 of the 2010 Manila Amendments to the STCW Code. Each exercise involves disassembling and assembling turbocharger components, as well as measuring and recording vital data.

Welding Training for Class Certification

Course Duration: 8 days
Published Rate: \$585

This training course includes lectures, demonstrations, practical exercises, and assessment in safe welding practices to demonstrate welding skills in accordance with International Classification Standards

Practical Workshop Skills

Course Duration: 10 days
Published Rate: \$380

This training course includes lectures, demonstrations, practical exercises, and assessment in the application, maintenance and use of hand and power tools and measuring instruments, meeting the applicable requirements prescribed in Table A-III/5 (Contribute to Shipboard Maintenance and Repair), of the STCW Code 2010 Manila Amendments.



MAN DIESEL COURSES

ME Control System Standard Operation

Course Duration: 5 days

Published Rate: €2,925

The participants will be able to safely and efficiently operate the ME Engine. They will also understand how to troubleshoot and perform adjustments in the control system.

Course Content:

- Introduction to the ME Engine
- ME concept
- Hydraulic Power Supply (HPS)
- Engine Control System
- Operation
- PMI and CoCoS EDS Systems
- Troubleshooting
- Replacement of MPC Modules

Applies to equipment: ME



ME Electrician Standard Maintenance Course

Course Duration: 4 days

Published Rate: €2,340

The participants will be able to perform correct maintenance and repair procedures on the engine control system and relevant engine components. The ECS system and applying correct troubleshooting procedures via the main control panel will also be included.

Course Content:

- General ME engine knowledge
- General troubleshooting
- Cabling and signals
- Power supply
- Electrical signals
- Electrical noise awareness
- Engine Control System
- Production specification
- Practical exercises

Applies to equipment: ME, ME-B, ME-GI



Four-stroke Engine Standard Operation

Course Duration: 5 days

Published Rate: €2,925

The participants will be able to perform engine starting, stopping and operating procedures under normal conditions. They will also be able to identify and analyse the engine's normal and abnormal operating parameters. Additionally, they will understand the maintenance interval and correct maintenance procedures.

Course Content:

- Engine design and data
- Handling manuals
- Systems on the engine
- Engine and turbocharger operation
- Introduction to engine control and governor system
- Monitoring parameters and alarms
- Troubleshooting

Applies to equipment: 32/40, 5V28/33D, ESL Mk 1&2, K Major, L16/24, L21/31, L23/30, L27/38, L28/32H, L/V 48/60 + L/V 48/60B, MB190, MB275, MB430, PA4, PA6, PC2, PC4, RK270, RKC/G, RK215, VP185, Valenta/RP200, Ventura/YJ



MAN DIESEL COURSES

Two-stroke Engine Standard Optimization Course

Course Duration: 5 days
Published Rate: €2,925

This training course is delivered by our training partner PRIMESERVE. It includes the ability to determine the optimal engine performance settings based on an analysis of engine parameters. Trainees will also understand how to inspect and troubleshoot different engine mechanical components, cylinder lubrication and cylinder condition. They will also be introduced to the latest low load operations components.

Course Content:

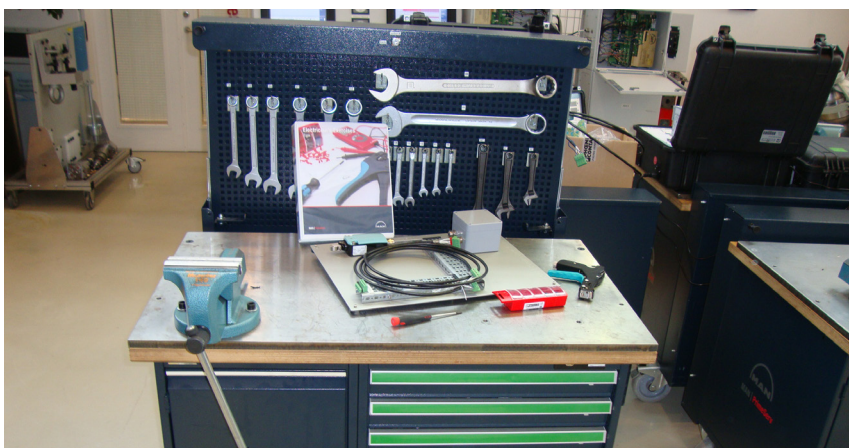
- Fuel treatment and injection system
- Cylinder lubrication and condition
- Engine performance analysis
- System lubrication
- Low load operation

Applies to equipment: MC, MC-C, ME, ME-B, ME-GI

L27/38 Standard Operation & Maintenance Training Course

Course Duration: 5 days
Published Rate: €2,925

This training course is delivered by our training partner PRIMESERVE it includes both theory and practical training and assessment in MAN L27/38 engine operation and maintenance.



ALFA LAVAL COURSES

MODULE 1

Alfa Laval Marine and Power Operation and Maintenance of Ship's Fuel, Lube Oil and Central Cooling Systems

Course Duration: 5 days

Published Rate: \$575

This training is provided by our training partner RJH and includes theory and practical training on Alfa Laval Engine Room Auxiliary Machinery

Activities include:

- Tracing the total system and making a line sketch of the system
- Opening and closing the correct valves in the system
- Prepare each equipment in the system for start up
- Start up each equipment and check all pressures and temperatures are within the correct range.
- Check that all equipment is operating normally
- Adjusting the various equipment to meet the required outcome of the system
- Operate the system in auto, manual and emergency mode

After successfully completing this training, students will have the necessary competency to:

- Understand the various systems and how each piece of equipment in the system has an impact on other equipment in the system
- Operate the system in manual and automatic mode
- Understand the responsibilities and duties needed in operating the various systems



ALFA LAVAL COURSES

MODULE 2

Alfa Laval Marine and Power Operation and Maintenance of Ship's Fuel, Lube Oil and Central Cooling Systems

Course Duration: 5 days

Published Rate: \$575

This training is provided by our training partner RJH and includes theory and practical training on Alfa Laval Auxiliary Machinery.

Activities include:

- Operate the various systems and identify the faulty equipment in the system
- Open up each equipment conduct, fault finding, maintenance and familiarity of how each piece of the equipment works
- Conduct fault finding, testing and programming on the Alfa Laval electronic controllers

After successfully completing this training, students will have the necessary competency to:

- Understand the various systems and how each piece of equipment in the system has an impact on other equipment in the system
- Understand how to program and fault find, the various Alfa Laval electronic controllers
- Understand how and why it is necessary to conduct regular maintenance
- Understand how and when necessary to conduct correct adjustment and assessment of malfunctions



ALFA LAVAL COURSES

Fuel Management

Course Duration: 3 days
Published Rate: \$345

This training is provided by our training partner RJH and includes theory and practical training on Alfa Laval Full Management equipment. This course is designed for personnel whose responsibility it is to bunker fuel oil, conduct fuel treatment and manage the consumption of fuel oil.

Activities include:

- Trace the total fuel system and make a line sketch
- Using various fuel analytics laboratory reports to adjust the fuel system to match the engine's requirements
- Using various engine components and auxiliary equipment components, explain how the damage was caused and how to overcome the problem

After successfully completing this training, students will have the necessary competency to:

- Understand and interpret the fuel oil analysis report
- Use the analysis report to adjust relevant equipment so as to maximize the full potential of the fuel
- Be aware of any adverse effects the fuel may cause throughout the total fuel system
- Be aware of current regulations and guidelines as to the use of on board fuels
- Understand the responsibilities and duties needed during the bunkering, treatment, and consumption of fuel oil

Engine Room Personnel Evaluation

Course Duration: 1 day
Published Rate: \$115

This evaluation is tailored to help companies compile information that will help ascertain whether a person is suited for a certain position in the engine room.

The objective of this evaluation is to record a person's ability, reactions, and attitude in relation to the safe and efficient operations and maintenance of engine room equipment.

Assesment Activities include:

- Operate the various engine room systems
- Dismantle, evaluate and reassemble various engine room equipment



Bilge Water And Waste Oil Treatment System

Course Duration: 3 days
Published Rate: \$345

This course is designed for all personnel whose responsibility it is to manage bilge water treatment and waste oil.

This training is provided by our training partner RJH and includes theory and practical training on Alfa Laval Waste Water equipment.

Activities include:

- The principles of an integrated bilge water treatment system
- Port state control inspection and bilge water legislations (MARPOL, IMO, MEPC and US Coast Guard)
- Oil record book entries
- Oily water separator system – operation, maintenance and fault finding

After successfully completing this training, students will have the necessary competency to:

- Understand the various regulations and other statutory requirements that are enforce to ensure the protection of the marine environment
- Understand the total concept of the integrated bilge water treatment system, and how each piece of equipment has an impact on other equipment in the system
- Understand how and when necessary to conduct correct adjustment and assessment of malfunctions
- Understand bilge water composition

ALFA LAVAL COURSES

Auxiliary Boiler System

Course Duration: 5 days

Published Rate: \$575

This training is provided by our training partner RJH and includes theory and practical training on Alfa Laval Auxiliary boiler system.

Activities includes, but not limited to:

- Tracing the various systems and making a line sketch of each system.
- Demonstrate the correct procedures for starting up and shutting down the boiler system.
- Conduct inspection on the various equipment in the system, explain why/how the equipment are in such a condition.
- Conduct testing of the various boiler mounted safety devices.

After successfully completing this training, you will have the necessary competency to:

- Understand the various systems and how each piece of equipment in the system has an impact on other equipment in the system.
- Understand how operation are planned and carried out in accordance with established rules and procedures to ensure safety of operation.
- Deviations from the norm are promptly identified and rectified.

Customer Specific Training for Alfa Laval equipment

RJH is open to customising training for Client specific requirements



ELECTRO-TECHNICAL COURSES

Basic Control Engineering

Course Duration: 5 days
Published Rate: \$345

This training course includes practical applications and exercises of control engineering onboard ships, testing of sensors, calibration of transmitters and converters, and operating controllers and control valves using industry-relevant training equipment meeting the requirements prescribed in the applicable sections of Tables A-III/1, A-III/2 and A-III/6 of the STCW Code 2010 Manila Amendments.

Basic Electrical Engineering and Troubleshooting

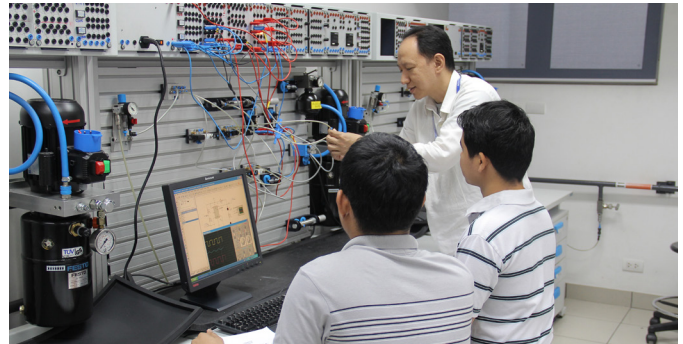
Course Duration: 5 days
Published Rate: \$345

This training course includes lectures, practical demonstrations, exercises and assessment of the operation and testing of shipboard electrical distribution systems, electrical machinery and electronic equipment using industry-relevant training facilities, tools and equipment meeting the requirements prescribed in the applicable sections of Tables A-III/1, A-III/2, A-III/5 and A-III/6 of the STCW Code 2010 Manila Amendments.

Electro-Hydraulics and Electro-Pneumatics for Marine Applications

Course Duration: 3 days
Published Rate: \$215

This training course includes practical applications of electro-hydraulic control and electro-pneumatic control systems onboard ships. It covers the operation, design and function of various electro-hydraulic and electro-pneumatic components commonly used in the industry and introduces the use of programmable logic controllers on electro-hydraulic and electro-pneumatic control implementations; satisfying the requirements of Sections A-III/6 and A-III/7 and Tables A-III/6 and A-III/7 in the STCW Code 2010 Manila Amendments.



Marine Electro-Technology

Course Duration: 5 days
Published Rate: \$345

This training course includes lecture and practical demonstration of different electrical control configurations and different electrical motors starting methodologies in meeting the requirements prescribed in the applicable sections of A-III/1, A-III/2 and A-III/6 and Tables A-III/1, A-III/2 and A-III/6 of the STCW 2010 Manila Amendments. It provides participants with practical exercises in interpreting schematic diagrams, wiring control circuits and troubleshooting control systems using industry-relevant training equipment.

Pneumatics and Hydraulics for Marine Applications

Course Duration: 5 days
Published Rate: \$345

This training course includes lectures, practical demonstrations, laboratory exercises, simulator exercises, practical exercises and assessment of the operation, design, applications and control of pneumatic and hydraulic systems on board ships using industry-relevant training facilities and equipment meeting the requirements prescribed in the applicable sections of Tables A-III/1, A-III/2 and A-III/6 of the STCW Code 2010 Manila Amendments.

ELECTRO-TECHNICAL COURSES

Programmable Logic Controllers

Course Duration: 5 days
Published Rate: \$345

This training course includes lectures, laboratory experiments, practical exercises, workshops, case studies and assessment in design, installation, operation, programming and maintenance of Programmable Logic Controllers. to meet the specifications of minimum standards of competence for Engine Officers and Electro-technical Officers prescribed in the relevant sections of Tables A-III/1, A-III/2 and A-III/6 of the STCW Code 2010 Manila Amendments.



Reefer Container Handling Familiarization Training

Course Duration: 1 day
Published Rate: \$65

This training course includes topics on the operating principles and proper handling procedures of shipboard reefer containers with practical exercises in temperature and alarm monitoring using functional reefer container system. To meet the requirements prescribed in the Tables A-II/1, A-II/2 & A-II/5 of the standards regarding Master and the Deck Department and Tables A-III/1, A-III/2 & A-III/6 of the standards regarding the Engine Department in the STCW Code 2010 Manila Amendments.

Reefer Container Maintenance and Troubleshooting

Course Duration: 1 day
Published Rate: \$120

This training course includes lectures, practical demonstrations, exercises and assessment in the proper maintenance, troubleshooting and repairs of shipboard reefer containers using functional reefer units and industry-relevant tools and equipment in meeting the requirements prescribed in the applicable sections of Tables A-III/1, A-III/2 and A-III/6 of the STCW Code 2010 Manila Amendments.

Refrigerant Gases Manipulation and Reeferman Training

Course Duration: 5 days
Published Rate: \$420

This training course includes lectures, practical demonstrations, laboratory exercises and assessment in the proper handling, operation, maintenance, troubleshooting and repairs of refrigerated containers using industry-relevant tools and equipment and actual reefer units installed in the laboratory rooms.

It includes topics on basic thermodynamics and refrigeration processes as related to refrigerated containers, emphasizing on safety with the use of refrigeration servicing tools and equipment, refrigerants and refrigeration oils.

Refrigeration and Air-conditioning System

Course Duration: 5 days
Published Rate: \$355

This training course includes lectures, practical demonstrations, computer-based training, laboratory exercises and assessments in the proper operation, maintenance, troubleshooting and repair of marine refrigeration and air-conditioning systems using industry-relevant training equipment in meeting the requirements prescribed in the applicable sections of Tables A-III/1, A-III/2 and A-III/6 of the STCW Code 2010 Manila Amendments.



GENERAL COURSES

Anti Piracy Awareness Training for Officers

Course Duration: 1 day
Published Rate: \$40

This course includes guidelines suggested by major international maritime industry organizations on the Best Management Practices (BMP) for protection against Somalia Based piracy and the Interim Guidelines for Owners, Operators and Masters for Protection Against Piracy in the Gulf of Guinea, complementing the recommendations contained in the IMO MSC Circular MSC.1/Circ. 1334, "Piracy and Armed Robbery Against Ships" meeting the requirements of Tables A-VI/6-1 and A-VI/6-2 of the STCW Code, as amended (2010 Manila Amendments).

Anti Piracy Awareness Training for Ratings

Course Duration: 1 day
Published Rate: \$35

This training course includes guidelines suggested by major international maritime industry organizations on the Best Management Practices (BMP) for protection against Somalia Based piracy and the Interim Guidelines for Owners, Operators and Masters for Protection Against Piracy in the Gulf of Guinea, complementing the recommendations contained in the IMO MSC Circular MSC.1/Circ. 1334, "Piracy and Armed Robbery Against Ships" meeting the requirements of Tables A-VI/6-1 and A-VI/6-2 of the STCW Code, as amended (2010 Manila Amendments).

Container Lashing

Course Duration: 2 days
Published Rate: \$95

This training course includes lectures, demonstrations, practical exercises and assessment of the regulatory requirements for container types and dimensions, parts of a container, vessel cell numbering, common lashing equipment, lashing systems and maintenance of lashing gear meeting the applicable sections prescribe in Table A-II/5 of the STCW Code 2010 Manila Amendments taking into considerations the industry's best management practices and the recommended guidelines in a Master's Guide to Container Securing.

Electric Arc Welding

Course Duration: 2 days
Published Rate: \$325

This training course includes techniques in Shielded Metal Arc Welding process and understanding the corresponding material joint preparation and different positions involved in basic welding operation meeting the applicable requirements prescribed in Table A-III/5 (Contribute to Shipboard to Maintenance and Repair) of the STCW Code 2010 Manila Amendments.

Fire Fighting Refresher Training

Course Duration: 5 days
Published Rate: \$155

This training program includes lectures, demonstrations, practical exercises, and assessment in the theory of fire, products of combustion, shipboard fire fighting organization, communication and coordination, fire smoke detection, automatic alarm system, engine room alarm signals, compressed air breathing apparatus (CABA), principles in management, and control of injured persons meeting the applicable sections in Tables A-VI/1-2 of the STCW Code 2010 Manila Amendments taking into considerations the recommended guidelines in UNITOR Fire and Rescue Safety.

GL ShipManager Familiarization Training

Course Duration: 2 days
Published Rate: \$180

This training course provides familiarization of the software functionality and exercises in the different modules relevant for ship's officers.

Guidance to Port State Control Inspection

Course Duration: 1 day
Published Rate: \$40

This training course provides seafarers thorough and up-to-date guide and analysis of the relevant conventions, amendments and related codes, inspection procedures and key developments in port state control meeting the applicable specified requirements Regulation II/1-2, Regulation III/1-2, Regulation III/6, and Table AII/1-2, Table A-III/1-2 and Table A-II/6 of the STCW Code 2010 Manila Amendments.

GENERAL COURSES

Hazardous Materials for Officers

Course Duration: 3 days
Published Rate: \$120

This training course provides theory and table top familiarization exercises on the applications of the IMDG Code that focuses on the safe and compliant transportation of dangerous, hazardous, and harmful cargoes by sea to meet the requirements prescribed in Section A, Tables A-II/1 & A-II/2 of the STCW Code 2010 Manila Amendments, Chapter VII of the SOLAS 74, as amended, Annex III of MARPOL 73/78, as amended, and the U.S. Code of Federal Regulations 49 CFR Par. 172.704.

Inspection and Maintenance of Breathing Apparatus Compressor

Course Duration: 1 day
Published Rate: \$140

This training course includes lectures, practical demonstration and assessment on the inspection and maintenance of a BAUER air compressor in accordance to the manufacturer's operating manual.

Inspection and Maintenance of Portable Fire Extinguisher

Course Duration: 1 day
Published Rate: \$90

This training course includes lectures, demonstration, practical exercises, and assessment on the inspection and maintenance routines of portable fire extinguishers in accordance with the manufacturer's operating manual.

Inspection and Maintenance of Self-Contained Air Breathing Apparatus

Course Duration: 1 day
Published Rate: \$90

This training course covers lectures, demonstrations, practical exercises, and assessment on inspections and maintenance routines of MSA Unipack II SCABA in accordance with manufacturer's operating manual taking into account the industry's best management practices.



International Safety Management for Officers

Course Duration: 2 days
Published Rate: \$70

This training course includes the following topics:

- Background and Development of the ISM Code
- Requirements of Chapter IX Annex to the International Convention SOLAS '74
- Provisions of the ISM Code
 - Part A (Sections 1 to 12)
 - Part B (Sections 13 to 16)
- Guidelines and guidance
 - IMO Res. A. 1022 (26)
 - Annex to MSC - MEPC.7/Circ.5
 - Annex to MSC - MEPC.7/Circ.6
 - Annex to MSC - MEPC.7/Circ.7

International Safety Management for Ratings

Course Duration: 1 day
Published Rate: \$35

This training course covers the following topics:

- Background and Development of the ISM Code
- Requirements of Chapter IX Annex to the International Convention SOLAS '74
- Provisions of the ISM Code
 - Part A (Sections 1 to 12)
 - Part B (Sections 13 to 16)
- Guidelines and guidance
 - IMO Res. A.1022(26)
 - Annex to MSC-MEPC.7/Circ.5
 - Annex to MSC-MEPC.7/Circ.6
 - Annex to MSC-MEPC.7/Circ.7

GENERAL COURSES

Maritime Resource Management

Course Duration: 4 days
Published Rate: \$320

This training course includes lectures and discussion aided by interactive computer-based training modules that examine human interaction and management situations covering the principles of resource management. It is facilitated by a certified workshop leader. The course is reinforced by case studies utilizing the full-mission bridge simulator. The course meets the requirements prescribed in Table A-II/1 (Bridge Resource Management & Application of Leadership and Team Working Skills), Table A-II/2 (Use of Leadership and Managerial skills), Table A-III/1 (Engine Room Resource Management & Application of Leadership and Team Working Skills), Table A-III/2 (Use of Leadership and Managerial skills), and Table A-III/6 (Application of Leadership and Team Working Skills) of the STCW Code 2010 Manila Amendments.

Oxy-Acetylene Gas Welding

Course Duration: 5 days
Published Rate: \$290

This training course provides participants with the knowledge and skills to perform Oxy-Acetylene Gas welding. It covers maritime gas welding principles, safety, identifying commonly used metals with the corresponding types of filler rod and demonstration of different welding techniques and positions in plate and pipes. The course also provides understanding of oxy-gas welding principles and types of flame, working pressures used in welding and cutting processes. Meeting the applicable requirements prescribed in Table A-III/5 (Contribute to Shipboard Maintenance and Repair), of the STCW Code 2010 Manila Amendments.

Safety Awareness Training Program

Course Duration: 1 day
Published Rate: \$35

This training course includes lectures, case studies and assessment of the standard of competence in personal safety and social responsibilities meeting the applicable requirements prescribed in Table A-VI/1-4 of the STCW Code 2010 Manila Amendments taking into account the guidelines set forth in the United Kingdom Maritime Coastguard Agency's Code of Safe Working Practices for Merchant Seamen, Consolidated Edition.

Seafastening Welding Course

Course Duration: 4 days
Published Rate: \$345

The course covers topics on application of skills required in heavy-lift vessels such as installation of D-rings, pad-eyes using electric arc welding and gouging by means of oxy-acetylene gas, air carbon arc and plasma cutting.

Shipboard Safety Officer Course

Course Duration: 3 days
Published Rate: \$115

This training course includes lectures on the functions of Shipboard Safety Officer, focusing on Risk Assessment techniques, unsafe acts auditing, and incident and/or accident investigation taking into account the recommended guidelines set forth in the United Kingdom's Maritime Coastguard Agency's Code of Safe Working Practices for Merchant Seamen, Consolidated Edition, and, in particular, the recommendations prescribed in Section I, Chapter 3, Safety Officials.



CULINARY COURSES

Asian Cuisine

Course Duration: 5 days
Published Rate: \$310

This training course provides theoretical knowledge of Asian Cuisine, including its history, culture, and traditions. Common Asian Ingredients indigenous to the region. Taste profiles will also be extensively covered to equip learners with the essential understanding of the uniqueness of this cuisine. Emphasis will be on the practical preparation of Regional Philippine Cuisine.

European Cuisine

Course Duration: 10 days
Published Rate: \$640

This training course provides knowledge, skills to achieve competency in European culinary terminology, mise en place, cooking methods and techniques, focusing on the different regions of Europe including Eastern Europe, Central Europe and Balkan Countries.

Food Safety and Sanitation

Course Duration: 1.5 days
Published Rate: \$60

This training course provides the theoretical knowledge required to fully understand, and implement a Food Safety and Sanitation program following HACCP Principles.

Fundamentals of Baking and Pastry

Course Duration: 5 days
Published Rate: \$340

This training course includes theoretical and practical demonstration of the principles of baking and pastry cooking. The content covers understanding how ingredients react with each other, understanding baker's percentages, identification of various baking and pastry tools and equipments, and the preparation of various breads, cakes and pastries.

Galley Administration

Course Duration: 3 days
Published Rate: \$130

This training course provides the theoretical knowledge and practical skills required to manage a ships galley. This module covers the key aspects of Menu Planning and Costing, creating a Nutritionally Balanced Calendar Menu, performing Recipe Conversation, Victualling-Provisions Requisition and Inventory Management.



Healthy Green Cooking

Course Duration: 3 days
Published Rate: \$220

This training course includes theoretical knowledge required to create Healthy menus, identify healthy ingredients and cooking methods. The program also provides a practical approach to the techniques of Mis en Place, Food Safety and Sanitation, and meal production for Healthy Green Cooking and eating.

Ship's Catering NC I (Messman)

Course Duration: 5 days
Published Rate: \$235

This training course includes the theoretical knowledge and practical skills required to become a ship's Messman. The program defines the duties and responsibilities of a Messman, Steward and Cabin Attendant, Food Safety and Sanitation, Table setting, Sequencing of Shipboard Food and Beverage Service, various Food and Beverage, Methods of Meal Service, and Housekeeping.

Ship's Catering NC III (Ship's Cook)

Course Duration: 10 days
Published Rate: \$500

This training course covers competencies including workplace communication, leading of small teams, practice of negotiation skills, problem solving related to work activities, preparing of nutritionally and health-balanced menus, preparing of stocks, soups, sauces and dips, preparing of meals and side dishes (hot and cold), preparing of appetizers, salads and sandwiches (hot, cold and open), preparing of bread products, preparing of hot and cold desserts, working with galley equipments and cooking utensils, food safety, sanitation and hygiene (HACCP), workplace health and safety practices, waste management and waste disposal according to MARPOL, control and monitor stocks and supplies, supervising and administer galley area.

ASSESSMENT/TRADE TEST

Bureau Veritas Welding Trade Test/Revalidation

Assessment Duration: 1 Day
Published Rate: \$430

This trade test program covers the specification of minimum standards of competence prescribed in Qualification Testing of Welders (ISO 9606-1), Welding Personnel-Qualification Testing of Welding Operators and Weld Setters for Mechanized and Automatic Welding of Metallic Materials (ISO 14732), Non-Destructive Testing of Welds-Radiographic Testing (ISO 17636-1), Recommended Practice for Radiographic Examination of Fusion Welded Joints – Part 1: Fusion Welded Butt Joints in Steel Plates up to 50 mm thick (ISO 1106-1) .

Crane Handling Assessment

Assessment Duration: 1 Day
Published Rate: \$195

This evaluation program covers the practical exercises utilizing crane handling simulators in the safe operation of pedestal cranes and heavy lift cranes taking into account the recommendation prescribed in the applicable sections of Tables A-II/1, A-II/2, and A-II/5 of the STCW Code 2010 Manila Amendments, taking into account the recommended guidelines in the Code of Safe Working Practices for Merchant Seaman, ILO Convention 152, and the ISM Code.

Deck Officer Competency Evaluation Management Level (DOCE-ML)

Assessment Duration: 1 Day
Published Rate: \$190

This evaluation program covers the specification of the minimum standards of competence prescribed in Table A-II/1, Function 1: Navigation at the operational level, Table A-II/2, Function 1: Navigation at the management level, and Chapter VIII, Standards regarding watchkeeping of the STCW Code 2010 Manila Amendments. Methods of evaluation are chartwork and use of nautical publications, practical simulator exercise, practical oral assessments, and radar plotting and written navigation calculations.

Deck Officer Competency Evaluation Operational Level (DOCE-OL)

Assessment Duration: 1 Day
Published Rate: \$190

This evaluation program covers the specification of the minimum standards of competence prescribed in Table A-II/1, Function 1: Navigation at the operational level, Table A-II/2, Function 1: Navigation at the operation level, and Chapter VIII, Standards regarding watchkeeping of the STCW Code 2010 Manila Amendments. Methods of evaluation are chartwork and use of nautical publications, practical simulator exercise, practical oral assessments, and radar plotting and written navigation calculations.



Trade Test - Cook Applicant

Assessment Duration: 1 Day
Published Rate: \$210

This assessment covers the theoretical knowledge and practical skills necessary in the preparation and presentation of various European cuisine specialties including desserts.

ASSESSMENT/TRADE TEST

ETO Practical Assessment

Assessment Duration: 1 Day
Published Rate: \$165

The ETO Practical Assessment covers the assessment requirements for the certification of existing seafarers who have served in a capacity relevant to the operational level duties and responsibilities of an Electro-Technical Officer (ETO) in accordance with Regulation III/6 of the STCW Code 2010, Manila Amendments. It provides practical assessment on troubleshooting and diagnosis of shipboard equipment and scenarios associated with Electrical, Electronic, Automation and Control Technology for ETO candidates for certification.



ETR Practical Assessment

Assessment Duration: 1 Day
Published Rate: \$120

The ETR Practical Assessment covers the assessment requirements for the certification of existing seafarers who have served in a capacity relevant to the operational level duties and responsibilities of an Electro-Technical Rating (ETR) in accordance with Regulation III/7 of the STCW Code 2010, Manila Amendments. It provides practical assessment on troubleshooting and diagnosis of shipboard equipment and scenarios associated with Electrical, Electronic, Automation and Control Technology for ETR candidates for certification.

Engine Officer Competency Evaluation For Management Level

Assessment Duration: 1 Day
Published Rate: \$190

This assessment program covers the specified standards of competence prescribed in Table AIII/2 Function Marine engineering at the Management Level, of the STCW Code as amended 2010 Manila Amendments. Specifically Competence Unit 3 Operation, surveillance, performance assessment and maintaining safety of propulsion plant and auxiliary machinery.

Engine Officer Competency Evaluation For Operational Level

Assessment Duration: 1 Day
Published Rate: \$190

This assessment program covers the specified standards of competence prescribed in Table AIII/1 Function Marine engineering at the operational level, Competence Unit 1 Maintain a safe engineering watch of the STCW Code as amended 2010 Manila Amendments.

Ships' Catering NC III (Ships' Cooks) Portfolio Assessment, Written Assessment plus Demonstration of Practical Cookery, Written and Practical Assessment

Assessment Duration: 1 Day
Published Rate PA: \$29
Published Rate WA: \$11
Published Rate W&PA: \$29

Competency Assessment is the process of collecting evidence and making judgments whether competency has been achieved. The purpose of assessment is to confirm that an individual can perform to the standards expected at the workplace as expressed in relevant competency standards.

The assessment process is based on evidence or information gathered to prove achievement of competencies. The process may be applied to an employable units (s) of competency in partial fulfilment of the requirements of the national qualification



COMPUTER-BASED TRAINING

UMTC promotes modular self-learning through computer-based trainings (CBTs) offered to its clients.

A CBT module can be taken independently by the trainee at his own pace or as part of a training course under the supervision of an assigned instructor. We offer more than 9 onboard familiarization, 212 Seagull and 35 Non-Seagull CBT modules in the following areas:

- Navigation
- Marine Engineering
- Operation and Safety
- Electronics and Control Engineering
- Cargo Handling & Stowage
- Radio Communication
- Maintenance and Repair
- Software Training
- Language Training
- Soft Skills

For complete list of computer-based training, please contact our *Sales and Marketing Department*.

T: (+632) 981 6682 loc. 2131 / 2144 / 2133 / 2128

E: marketing@umtc.com.ph



OUR MAJOR CLIENTS



Marlow's cooperation with UMTC is strong and substantial. UMTC has long been the official training centre of all Marlow seafarers in the Philippines, as well as for our structured cadet programs; Deck, Engine and Culinary. Facilities are world-class, faculty always excel, and the curriculum disciplined and exceptional. UMTC is no doubt instrumental in ensuring our crew is well trained, up to the latest international standards and beyond, leading the way in maritime training, education and development.

Mr. Frank Brodersen
Director, Crew Operations Department
Marlow Navigation Co., Ltd.



For the past five years, UMTC has been consistent in the delivery of quality trainings. Well maintained training center, employed qualified, well-trained and competent instructors and excellent customer service. The management has been very supportive and collaborative in our training requirements and able to meet Teekay's expectations. Kudos to UMTC for the excellence!

Mr. Gilbert Maturan
Manager, Global Training Standards and Competence
TEEKAY Shipping



"UMTC has become a major player in the maritime training industry capable of delivering the requirements of their customers to and ensuring their satisfaction. The consistency of delivering their services through continuous development, listening to customers' needs and quality mind-set, sets them apart from the competition. UMTC is perfectly suited for our requirements and We will continue to do so."

Capt. Rodolfo Radam
Trainer, CMA Ships Singapore



COLUMBIA
SHIPMANAGEMENT

"We have started our cooperation with UMTC since one and half years. Today we are more than confident we have made the right choice. UMTC helped us meeting and even exceeding own and our customers' expectations towards efficient training of the seafarers. We believe that UMTC satisfies our needs for modern teaching techniques, high-tech equipment, cost-effective and reliable training".

Capt. Faouzi Fradi
Crew Training Manager
Columbia Shipmanagement



SWIRE PACIFIC OFFSHORE



CHINA NAVIGATION



ACCREDITATIONS



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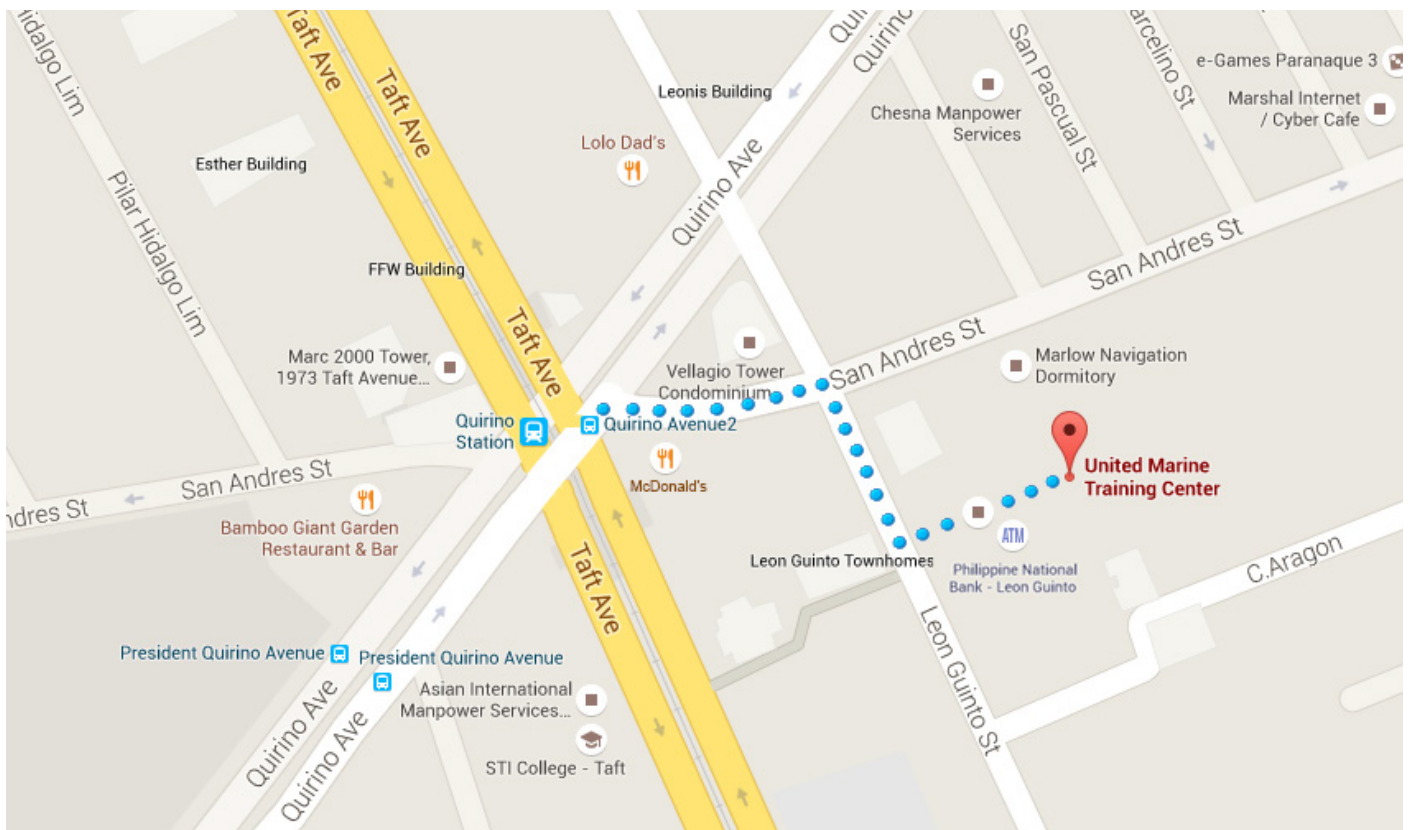
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You may also, visit our website, www.umtc.com.ph.

HOW TO FIND US



LANDMARK: Philippine National Bank (PNB) - Leon Guinto Branch

DIRECTIONS:

From LRT Quirino Station along Taft Avenue, proceed to San Andres Street. Upon reaching Leon Guinto Street, turn right and proceed until you reach the Philippine National Bank (PNB). Entrance to UMTC is by the gate to the left of PNB.



United Marine
Training Center

The information contained in this brochure was ensured to be accurate and up to date. However, The content was prepared in October 2016, and there may be unforeseen circumstances which force change to some of the details printed.

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