

STCW Certificate of Competency NAUTICAL STUDY & MARINE ENGINEERING

COURSES

- 1 Combined Masters and Chief Mates on Ships of 3000GT or More on Near Coastal Trade Voyages
- Officers in Charge of A Navigational Watch on Ships of 500GT or More on Near Coastal Trade Voyages
- Chief Engineer Officers and Second Engineer Officers on Ships of 3000kW Propulsion Power or More on Near Coastal Trade Voyages
- Officers in Charge of An Engineering Watch on Ships of 750kW or More on Near Coastal Trade Voyages
- Masters on Ships of Less Than 500GT on Domestic Voyages
- Mates on Ships of Less Than 500GT on Domestic Voyages
- Engineer Officers on Ships of Less Than 750kW Propulsion Power on Domestic and Near Coastal Trade Voyages

MASTERS & CHIEF MATES (MCNC)

Combined Masters and Chief Mates on Ships of 3000GT or More on Near Coastal Trade Voyages

To meet the mandatory minimum requirement as set out in the Merchant Training (Training and Certification) Rules 1999, for the certifications of Combined Masters and Chief Mates on Ships of 3000GT or more on Near Coastal Trade Voyages as per guideline specified by Marine Department Malaysia on Standards Of Competence of Combined Masters and Chief Mates JL/P/01/2009 (Table 1)

Upon completion of this course the trainees will be able :

- To discharge academic knowledge as a Combined Masters and Chief Mates on Ships of 3000GT or more on Near Coastal Trade Voyages.
- To acquired knowledge as specified by function 1, 2 and 3 as preparation for class 4 certificate of competency examination.



ENTRY REQUIREMENTS

DURATION

OLIALIFICATIONS

MONTHS

3

- Not less than 18 years of age.
- Valid Malaysian Seaman Identification Card.
- Valid Medical Certificate issued by an approved medical practitioner of Marine Department, Malaysia.
- Have a Certificate of Competency of Watchkeeping Officer
- Have an approved seatime not less 12 months as an officer on board a merchant vessel of 500GT or More on Unlimited Trade Voyages and/or Near Coastal Trade Voyages

WATCHKEEPING OFFICER (WKO)

Officers in Charge of A Navigational watch on Ships of 500GT or More on Near Coastal Trade Voyages



This course meets the minimum requirements for knowledge, understanding and proficiency as stated below of the International Convention on Standards of Training, Certification and Watch keeping for Seafarers 1978 as amended for the function of;

- Navigation at the operational level
- Cargo handling and stowage at the operational level
- Controlling the operation of the ship and care for persons on board at the operational level

Upon successful completion of this course and the requisite sea-service, the trainees should be competent to carry out safely the watch keeping duties of an officer in charge of a navigational watch, both at sea and in port as per STCW regulation VIII/2 and STCW Code, chapter VIII.

ENTRY REQUIREMENTS

DURATION

QUALIFICATIONS

MONTHS

- Not less than 18 years of age.
- ✓ Valid Malaysian Seaman Identification Card.
- Valid Medical Certificate issued by an approved medical practitioner of Marine Department, Malaysia.
- Have a Certificate of Competency of Watchkeeping Officer
- Have an approved seatime not less 12 months as an officer on board a merchant vessel of 500GT or More on Unlimited Trade Voyages and/or Near Coastal Trade Voyages

CHIEF AND SECOND ENGINEER (CSNC)

Chief Engineer Officers and Second Engineer Officers on Ships of 3000kW Propulsion Power or More on Near Coastal Trade

Voyages

The aim of the course is to provide the trainees with the knowledge, understanding and skill necessary to prepare for the Chief Engineer Officers and Second Engineer Officers on Ships of 3000kW Propulsion Power or More on Near Coastal Trade Voyages (Motor) Certificate of Competency based on the standards of competence as laid down in Rules 20 and 21, JL/P/01/2009, Standards of Competence, Marine Department Malaysia.

Upon completion of the course, trainees will have sufficient knowledge, understanding and skill to carry out that part of duties and responsibilities to the levels of knowledge, understanding and proficiency required for certification of officers as laid down in Rules 20 and 21, JL/P/01/2009, Standards of Competence, and Marine Department Malaysia for the following Functions

- Marine Engineering
- Electrical, electronic and control engineering
- Maintenance and Repair
- Controlling the operation of the ship and care for persons on board



ENTRY REQUIREMENTS

DURATION

OUALIFICATIONS

MONTH:

3

- Not less than 18 years of age.
- Valid Malaysian Seaman Identification Card.
- Valid Medical Certificate issued by an approved Medical Practitioner.
- Have a Watch keeping Engineer Certificate of Competency (750kW Or More Near Coastal Voyage) or have a Chief Engineer Officers and Second Engineer Officers Certificate of Competency on ships powered by main propulsion machinery of between 750kW – 3000kW on near coastal voyages.
- Have successfully completed the necessary sea service requirement as specified in the Training & Certification Rules of Marine Department, Malaysia.

WATCHKEEPING ENGINEER (WKE)

Officers in Charge of An Engineering Watch on Ships of 750kW or More on Near Coastal Trade Voyages



The aim of this course is to provide the trainees with the knowledge, understanding and proficiency at operational level for watch-keeping duties in a manned engine room as designated duty engineer in a periodically unmanned engine room on a seagoing ship powered by main propulsion machinery of 750kW or more on near coastal trade voyages based on the standards of competence as laid down in Rules 17A, JL/P/01/2009, Standards of Competence, Marine Department Malaysia.

Upon completion of the course, trainees will have sufficient knowledge, understanding and skill to carry out that part of duties and responsibilities to the levels of knowledge, understanding and proficiency required for certification of officers as laid down in Rules 17A, JL/P/01/2009, Standards of Competence, Marine Department Malaysia

ENTRY REQUIREMENTS

DURATION

QUALIFICATIONS

MONTHS

- Not less than 18 years of age.
- Valid Malaysian Seaman Identification Card.
- Valid Medical Certificate issued by an approved medical practitioner of Marine Department, Malaysia.
- 12 Month Sea time after holding Engineer Officers on Ships of Less Than 750kW Propulsion Power on Domestic and Near Coastal Trade Voyages <750kW OR,</p>
- 30 Month Sea time as Assistant Engineer or Greaser/Oiler OR,
- 36 Month Sea time service in Engine Room as Engine Rating/General Purpose Rating.

MASTERS DOMESTIC

Masters on Ships of Less Than 500GT on Domestic Voyages

This course aims to meet the mandatory minimum National requirements as set out in the Merchant Shipping (Training and Certification) Rules 1999, for the certification of Masters on Ships of Less Than 500GT on Domestic Voyages, as per guidelines specified by Marine Department Headquarters JL/P/01/2009.

On successful completion of the course and assessments, a document may be issued certifying that the holder has successfully completed a course of training and eligible to appear for an oral examination for Masters on Ships of Less Than 500GT on Domestic Voyages Certificate of Competency.

Upon passing oral examination and obtained the relevant certificate of proficiency as per MSN 7/2012 Marine Department may issue relevant certificate of competency.



ENTRY REQUIREMENTS

DURATION

OUALIFICATIONS

DAYS

- Obtained a Certificate of Competency as Mates on Ships of Less Than 500GT on Domestic Voyages
- Have at least 12 months seatime as a Mates on Ships of Less Than 500GT on Domestic Voyages.
- Have a valid Seaman Card
- Have a valid Medical Certificate issued by an Accredited Medical Practitioner by the Marine Department, Malaysia.

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MATES DOMESTIC

Mates on Ships of Less Than 500GT on Domestic Voyages



This course is a combination of theoretical sessions, supplemented by practical and is for the purpose of upgrading those within the Domestic vessels serving the deck department to being an officer under the Mate Domestic <500GT certification.

The trainees who successfully complete this course will have attained sufficient level of knowledge and competency to be awarded with a certificate to indicate that the candidate has attained the minimum level of competency at the Mate Domestic <500GT level.

ENTRY REQUIREMENTS

DURATION

QUALIFICATIONS

DAYS

- Have at least 24 month Seatime
- Have a valid Seaman Card
- Have a valid Medical Certificate issued by an Accredited Medical Practitioner by the Marine Department of Malaysia.

ENGINEER OFFICER

Engineer Officers on Ships of Less Than 750kW Propulsion Power on Domestic and Near Coastal Trade Voyages

This preparatory course aims to meet the mandatory minimum national requirements as set out in the Merchant shipping (Training and Certification) Rules 1999 of Standard of Competence of Masters, Officers, and Ratings for Specification of Minimum Standard of Competence for Engineer Officers on Ships of Less Than 750kW Propulsion Power on Domestic and Near Coastal Trade Voyages (Rule 16).

On completion of this course the participant will be able:

- To discharge academic knowledge as Engineer Officers on Ships of Less Than 750kW Propulsion Power on Domestic and Near Coastal Trade Voyages according to Merchants Shipping (Training and Certification) Rules 1999 of Standards Competence of Masters, Officers, and Rating (JL/P/01/2009).
- To perform as a certified and qualified marine engineer officer in charge
 of engine room on ships powered by main propulsion machinery of less
 than 750kW and carry out safely duties onboard ships both at sea and in
 port.



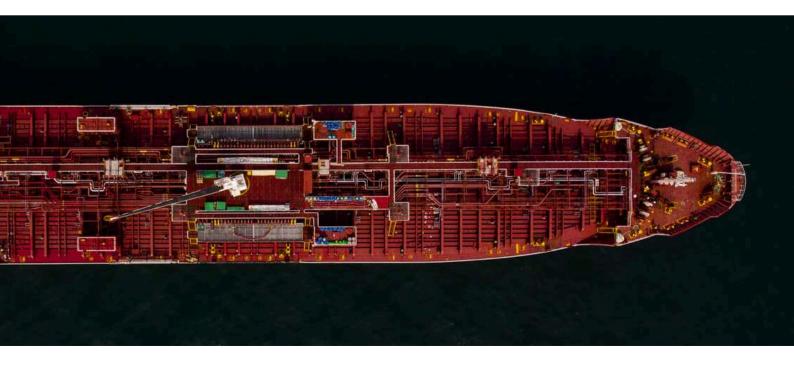
ENTRY REQUIREMENTS

DURATION

QUALIFICATIONS

WEEKS

- At least 18 years of age
- 📀 Valid Medical Examination Certificate issued by Marine Department Malaysia approved Medical Practitioner.
- Valid Malaysia Seafarers Identity Document.
- Has completed at least 18 months of shipboard services (sea going service) as assistant engineer, OR 24 months of shipboard services (sea going service) as Engine Rating, OR Official Confirmation of sea service from an employer or related Government Agency or a "Sworn Statement" in front of a Commissioner of Oaths (supported by an Employment Letter).
- Have involved supervised duties associated with engineering watch keeping of the ship and meeting the eligibility requirements in accordance with Merchant Shipping (Training and Certification) Rules 1999. (JL/P/01/2009)



STCW PROGRAM

COURSES

- 1 STCW Modular
- 2 STCW Security Related Training
- 3 STCW Re-Validation



STCW PROGRAM

STCW stands for 'Standards of Training, Certification, and Watchkeeping'. STCW came into force in 1978 to standardize the maritime trainings around the world. STCW Basic Safety Training, as it is known today is required by all seafarers who are working onboard merchant vessels.

STCW MODULAR	DURATION
Basic Training	6 Days
Basic Training Oil & Chemical Tanker	6 Days
Basic Training Liquefied Gas Tanker	5 Days
Shipboard Catering Management	5 Days
Passenger Ship Crowd Management	2 Days
Radar Navigation & Radar Plotting	10 Days
Electronic Navigational Aids (Operational)	10 Days
Proficiency in Survival Craft & Rescue Boat (other than a fast rescue boat)	6 Days
Medical First Aid	3 Days
Advanced Fire Fighting	4 Days
Leadership and Managerial Skill	5 Days
STCW SECURITY RELATED TRAINING	DURATION
Ship Security Officer	3 Days
Ship Security Awareness	1 Day
Designated Security Duties	2 Days
STCW RE-VALIDATION	DURATION
Basic Training	1 Day
Proficiency in Survival Craft & Rescue Boat (other than a fast rescue boat)	1 Day
Advanced Fire Fighting	1 Day
Shipboard Catering Management	1 Day



TVET PROGRAM

COURSES

- Navigational Watch and Deck Support Operation
- Marine Engine Maintanance Operation
- Navigational Watch and Support Operation Safe Watchkeeping Operation
- Marine Engine Room Watchkeeping -Shipboard Emergency Situation Handling
- Marine Engine Room Watchkeeping

MARINE NAVIGATION SURVEILLANCE & DECK SUPPORT OPERATIONS

H501-003-3:2019 (Single Tier)

Embark on a rewarding maritime career through our Dual Certification Training Program, endorsed by Malaysia's Department of Skills Development (JPK). This program is tailored to produce skilled professionals for global competitiveness, offering a versatile career path with recognition from both the industry and government. Graduates receive the esteemed SKM Level 3 certification from JPK and the Able Seafarers Deck (ASD) certificate from the Malaysia Marine Department, creating diverse opportunities for immediate employment or future education in related fields. The curriculum strikes a balance between practical and theoretical training, ensuring a comprehensive skill set. With this dual certification, individuals are wellprepared for career advancement within the maritime and government sectors, contributing to the growth of Malaysia's maritime industry. Enroll now to embark on a fulfilling career, meet international standards, and become a valuable asset in the maritime landscape.



ENTRY REQUIREMENTS

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- Men
- SPM graduates
- Able to read, count & write
- Aged 18-35 Years
- Healthy body
- Not color blind
- Have a good personality

MARINE ENGINE MAINTANANCE OPERATION

H501-002-3:2017 (Single Tier)



Sijil Kemahiran Malaysia (SKM) Marine Engine Maintenance Operation is a vocational training program in Malaysia that focuses on teaching students the skills needed to maintain and repair marine engines. The course covers topics such as engine components, fuel systems, electrical systems, and troubleshooting techniques. Students learn about the various types of marine engines and the principles of their operation, as well as how to perform routine maintenance and repairs. Upon completion of the course, students receive a SKM certificate, which is recognized in Malaysia as evidence of their competency in marine engine maintenance and operation. The certificate is useful for individuals who wish to work in the maritime industry, such as on ships, boats, or in marine-related businesses.

ENTRY REQUIREMENTS DURATION

Men

- SPM graduates
- Able to read, count & write
- Aged 18-35 Years
- Healthy body
- Not color blind Have a good personality

NAVIGATIONAL WATCH AND SUPPORT OPERATION -

Safe Watchkeeping Operation (H501-003-22019-C03)

The Navigational Watch and Support Operation – Safe Watchkeeping Operation (H501-003-22019-C03) course under the TVET Maritime program equips learners with the knowledge and skills to perform safe and effective watchkeeping duties on board ships. The training emphasizes lookout responsibilities, COLREGs compliance, and proper communication to ensure the safety of navigation at sea. Learners will also be introduced to bridge resource management, teamwork, and emergency response procedures, preparing them to support officers of the watch in daily operations. This course highlights safety, security, and environmental protection, making it essential for those pursuing a career as ratings or support crew in the maritime industry.



ENTRY REQUIREMENTS

DURATION

QUALIFICATIONS

WEEKS

9

- Men
- SPM is not required
- Must have a Certificate of School Completion
- Can read, count & write
- Aged 18-35 Years
- Healthy body
- Not color blind
- Have a good personality

MARINE ENGINE ROOM WATCHKEEPING -

Shipboard Emergency Situation Handling (H501-002-22017-C03)



The Marine Engine Room Watchkeeping – Shipboard Emergency Situation Handling (H501-002-22017-C03) course under the TVET Maritime program prepares learners to carry out watchkeeping duties in the engine room safely and efficiently. The training focuses on monitoring machinery operations, responding to abnormal conditions, and maintaining effective communication with the engineering team. Participants will learn how to identify potential hazards, follow emergency procedures, and take immediate action during shipboard incidents such as fire, flooding, or machinery failure. Emphasis is placed on safety, teamwork, and adherence to maritime regulations, ensuring that learners can support engineers in maintaining safe and continuous vessel operations. This course is vital for those aiming to build competence as engine room ratings or support crew in the maritime industry.

ENTRY REQUIREMENTS

DURATION

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- Men
- SPM is not required
- Must have a Certificate of School Completion
- Can read, count & write
- Aged 18-35 Years
- Healthy body
- Not color blind
- Have a good personality

MARINE ENGINE ROOM WATCHKEEPING

(H501-002-22017)

The Marine Engine Room Watchkeeping (H501-002-22017) course provides learners with the knowledge and skills to carry out safe and effective watchkeeping duties in a ship's engine room. The training covers machinery monitoring, routine checks, reporting of abnormalities, and coordination with the engineering team. Emphasis is placed on safety awareness, communication, and teamwork to ensure smooth and reliable engine room operations. This course is essential for those preparing to serve as engine room ratings or support crew in the maritime industry.



ENTRY REQUIREMENTS

DURATION

- Men
- SPM is not required
- Must have a Certificate of School Completion
- Can read, count & write
- Aged 18-35 Years
- Healthy bodyNot color blind
- Have a good personality



HSE PROGRAM



EMERGENCY RESPONSE

A program that prepares individuals and teams to handle critical situations through knowledge, awareness, and hands-on practice. It builds readiness to manage fires, hazardous materials, medical incidents, and rescues, ensuring lives, property, and operations are protected with confidence and industry best practices.

EMERGENCY RESPONSE	DURATION	VALIDITY
Basic Emergency Response	2 Days	3 Years
Emergency Action Plan	2 Days	3 Years
Fire Safety & Evacuation Procedures	1 Day	3 Years
Emergency Response Plan & Procedures	2 Days	3 Years
Fire Prevention & Fire Extinguisher Training	2 Days	3 Years
Basic Fire Fighting (BFF)	1 Day	3 Years
Advanced Fire Fighting / Industrial Fire Fighting	2 Days	3 Years
Damage Control Team (DCT)	2 Days	3 Years
SCBA Basic / Refresher	1 Day	3 Years
Fire Watcher	0.5 Day	3 Years
Fire Warden	0.5 Day	3 Years
Fire Drills	1 Day	3 Years
Chemical Spill Response	1 Day	3 Years
Safe Chemical Handling	1 Day	3 Years
HazMat	2 Days	3 Years
H2S Awareness & Basic	0.5 Day	3 Years
Mercury Safety	1 Day	3 Years
Confined Space Rescue	2 Days	3 Years
Height Rescue & Fall Protection	2 Days	3 Years
Water Rescue & Near-Drowning Response	1 Day	3 Years
Aquatic Rescue	1 Day	3 Years
Basic Occupational First Aid (BOFA)	2 Days	3 Years
Advanced First Aid	2 Days	3 Years
Basic Trauma Life Support	2 Days	3 Years
Basic Life Support (BLS) & AED Training	1 Day	3 Years
Awareness First Aid	1 Day	3 Years
Incident Command System (ICS) Training	2 Days	3 Years
Emergency Drill Coordination (Tabletop & Live Drills)	1 Day	3 Years
On Scene Commander	2 Days	3 Years



SOFT SKILLS

Training that strengthens leadership, communication, and teamwork to support a strong safety culture. By improving decision-making, problem-solving, and collaboration, participants are better prepared to influence safe behaviours, manage risks effectively, and contribute to a healthier, safer, and more resilient workplace.

SOFT SKILLS	DURATION	VALIDITY
Transformational Leadership	2 Days	3 Years
Situational Leadership	2 Days	3 Years
Leadership Winning Tools	2 Days	3 Years
Leadership Coaching and Mentoring	2 Days	3 Years
7 Habits of Effective People	2 Days	3 Years
Introduction to Hearts and Minds	2 Days	3 Years
Problem Solving and Analytical Thinking	2 Days	3 Years
Effective Teamwork for High Performance	2 Days	3 Years
Interpersonal Communication	1 Day	3 Years
Human Performance Workshop (Felt Leadership)	2 Days	3 Years
Kaizen Leadership	2 Days	3 Years
Safety Leadership	2 Days	3 Years



TECHNICAL SAFETY

Training focused on safe lifting, equipment handling, and inspection practices to minimise risks and ensure compliance with industry standards. Through practical learning and real-world applications, participants gain the competence and confidence to perform technical tasks safely, supporting a secure and efficient workplace.

TECHNICAL SAFETY	DURATION	VALIDITY
Rigging, Slinging & Banksman Awareness	1 Day	3 Years
Rigging & Slinging (Level 1)	2 Days	3 Years
Rigging & Slinging (Level 2)	2 Days	3 Years
Basic Wire Rope, Inspection & Resin Socketing	2 Days	3 Years
Lifting Supervisor	2 Days	3 Years
Banksman	1 Day	3 Years
Working at Height (Level 1)	1 Day	3 Years
Working at Height (Level 2)	2 Days	3 Years
Rescue at Height	2 Days	3 Years
Lifting & Hoisting Awareness	1 Day	3 Years
Forklift Operator Training	2 Days	3 Years
Crane Inspection	2 Days	3 Years
Overhead Crane	2 Days	3 Years
Onshore Mobile Crane	2 Days	3 Years
Offshore Crane Operator Training & Assessment	3 Days	3 Years
Scaffolding Awareness	2 Days	3 Years
Confined Space Awareness	2 Days	3 Years



OCCUPATIONAL SAFETY & HEALTH (OSH)

Comprehensive programs that build hazard awareness, risk management, and regulatory compliance. Designed to strengthen safety culture, these trainings equip participants with the knowledge and practical skills to prevent incidents, protect well-being, and create safer, healthier, and more productive workplaces.

OCCUPATIONAL SAFETY & HEALTH (OSH)	DURATION	VALIDITY
Safety & Health Committee	2 Days	3 Years
OSH 2022 Amendment	1 Day	3 Years
Positive Intervention Culture	2 Days	3 Years
Human Performance Improvement	2 Days	3 Years
Generative Safety Culture	2 Days	3 Years
Behaviour Based Safety	2 Days	3 Years
Incident Investigation	2 Days	3 Years
HIRARC	2 Days	3 Years
Defensive Driving	1 Day	3 Years
Effective Communication	1 Day	3 Years
Team Building	1–2 Days	N/A
5s / 6s	2 Days	3 Years
RCA – Root Cause Analysis	2 Days	3 Years
Tripod Beta	2 Days	3 Years
Mental Health Awareness	1 Day	3 Years





PELITA AKADEMI

CONTACT US

- **(**+603) 6057 1590 / 1790
- enquiry@pelitaakademi.com
- (c) pelita.akademi
- f Pelita Akademi
- **11** pelitaakademi
- www.pelitaakademi.com