

# 2022 COURSE GUIDE

**MARITIME TRAINING ON THE DOORSTEP  
OF THE GREAT BARRIER REEF**





# CONTENTS

## **AMSA APPROVED SHORT COURSES**

**4 – 5**

- > ELECTRONIC CHART DISPLAY INFORMATION SYSTEM (ECDIS)
- > COASTAL PILOTS CONTINUED PROFESSIONAL DEVELOPMENT
- > FIRE
- > FIRST AID
- > TRAIN THE SIMULATOR TRAINER AND ASSESSOR
- > SECURITY
- > SAFETY AND SURVIVAL

## **OTHER SHORT COURSES**

**6 – 7**

- > COMMUNICATIONS
- > FIRST AID
- > PASSENGER SAFETY TRAINING
- > SAFETY AND SURVIVAL
- > MARINE SAFETY
- > YACHTS
- > TUGS

## **MARITIME TRAINING**

**8 – 9**

## **FACILITIES**

**10 – 11**

# UPSKILL, REVALIDATE OR REFRESH YOUR MARITIME CERTIFICATE

GAIN THE SKILLS AND TRAINING YOU NEED TO EMBARK ON A REWARDING CAREER IN THE MARITIME INDUSTRY.

The Great Barrier Reef International Marine College (GBRIMC), in partnership with TAFE Queensland, is at the forefront to deliver maritime training in accordance with regulatory requirements and the Australian Maritime Safety Authority (AMSA).

Located in Cairns – North Queensland, Australia – our modern training facility offers a comprehensive range of training qualifications and certificates. Training complies with the requirements of the International Maritime Organisation Standards of Training, Certification and Watchkeeping for Seafarers (IMO STCW).

Staff at GBRIMC have extensive industry experience, hold relevant and current maritime qualifications and are experts in their field.

While studying at GBRIMC, you'll have access to a comprehensive range of fully-equipped on-site training resources including:

- > **Full mission bridge simulator**
- > **Immersion pool**
- > **Firefighting and emergency response training facility**
- > **Tug-optimised bridge and desktop simulators**
- > **Engineering workshops**

In addition, our commercially registered 20 metre training vessel '*MV Gwendoline May*' serves as an ideal platform to perform practical elements of seamanship.







# AMSA APPROVED SHORT COURSES



The GBRIMC offers an extensive range of short courses that lead to internationally recognised certificates issued by the Australian Maritime Safety Authority (AMSA). Short courses can be customised and tailored to suit individuals and organisations.

We are flexible in our approach to training, with delivery on campus or off-site at an agreed location.

## ELECTRONIC CHART DISPLAY INFORMATION SYSTEM (ECDIS)

**Use an electronic chart display and information system to navigate safely** MARH009<sup>^</sup>  
ECDIS | STCW Reg II/1 & II/2

The Electronic Chart Display Information System (ECDIS) course provides the knowledge, skills and understanding of ECDIS and electronic charts to the thorough extent needed to safely navigate vessels whose primary means of navigation is ECDIS.

## COASTAL PILOTS CONTINUED PROFESSIONAL DEVELOPMENT

As per MO54 section 61(1)(c)<sup>\*\*\*</sup>

### FIRE

**Prevent and fight fires on board a vessel** MARF035  
Basic Fire Prevention and Firefighting | STCW Reg VI/1 Code A-VI/1 Table A-VI/1-2

Develop skills in the operation of firefighting equipment and actions to be taken in the event of a fire on board a ship. This course is one of the components required to obtain an AMSA issued Certificate of Safety Training (CoST), which is the minimum mandatory qualification required to serve on board vessels in international waters.

**Manage firefighting and fire prevention activities on board a vessel** MARF011<sup>^</sup>  
Advanced Firefighting | STCW Reg VI/3 and Code Section A-VI/3, Table A-VI/3

This course provides participants with the skills and knowledge required to respond effectively as a key member of the on board command firefighting team. You will learn to manage shipboard fire prevention, coordinate tactical firefighting, and use and maintain firefighting and fire detection equipment carried on merchant vessels.

### FIRST AID

**Elementary First Aid**<sup>\*\*\*</sup> | STCW Reg VI/1 Code A-VI/1 Table A-VI/1-3

Gain the skills to undertake the initial management of injuries and illnesses occurring within the workplace, home, recreational and remote settings.

## TRAIN THE SIMULATOR TRAINER AND ASSESSOR

**Train the Simulator Trainer and Assessor**<sup>\*\*\*</sup>  
STCW Reg I/6, STCW A-I/6, STCW Reg I/12, STCW A-I/1 VI/5

This course provides the knowledge and skills for trainers to administer, supervise, and assess training and learning facilitated using simulators. The course content is based on IMO Model Course 6.10 – Train the simulator trainer and assessor, and meets the requirements of STCW Regulation I/6, STCW Code A-I/6 and STCW Regulation I/12, STCW Code A-I/1.

<sup>\*\*\*</sup> AMSA approved, non-accredited training

<sup>^</sup> Course currently in transition, code subject to change

## SECURITY

### **Follow vessel security procedures** MARF037

Security Awareness Training (SAT) | STCW Code Section A-VI/6 para 4

The SAT course is one of the components required to obtain an AMSA issued Certificate of Safety Training, and covers maritime security policy and responsibilities, threat identification, recognition and response, ship security actions and emergency preparedness. It is mandatory for all seafarers with AMSA certificates to hold Security Awareness endorsement.

### **Ship Security Officer (SSO)\*\*** | STCW Reg VI/5

Under the terms of the ISPS Code, shipping companies are required to designate a Ship Security Officer. This course is designed to provide instruction and proficiency in compliance with the ISPS Code for Ship Security Officers.

## SAFETY AND SURVIVAL

### **Safety Training Certification Skill Set** MARSS00033

(CoST) | STCW Reg VI/1

The AMSA issued Certificate of Safety Training (CoST) is the minimum mandatory requirement in order to serve on board vessels in international waters. CoST incorporates the following training courses:

- > Basic Fire Prevention and Fire Fighting\*
- > Personal Survival Techniques\*
- > Personal Safety and Social Responsibilities\*
- > Security Awareness Training\*

\* Complete this training as an individual course or through the full CoST

### **Safety Training Certification Skill Set (CoST) Revalidation\*\***

Relevant competencies from STCW Tables A-VI/1-2 and A-VI/1-1

The CoST revalidation course is designed for seafarers who do not hold the qualifying sea service 1 and therefore need to undertake the Personal Survival Techniques, Basic Fire Fighting and Fire Prevention training in order to demonstrate continued competence.

### **Certificate of Safety Training (CoST) Continued Competence Refresher Training\*\***

Relevant competencies from STCW Tables A-VI/1-1 and A-VI/1-2

The CoST refresher training course is designed to meet the mandatory Sea Survival, Basic Fire Prevention and Fire Fighting continued competency requirements for current seafarers with qualifying sea service<sup>1</sup>.

### **Certificate of Competency (CoC) Continued Competence Refresher Training\*\***

Relevant competencies from STCW Tables A-VI/1-1, A-VI/1-2, A-VI/2-1 and VI/3

The Certificate of Competency (CoC) Continued Competence Refresher Training is designed for holders of an AMSA issued Certificate of Competency (Master, Deck and Engineer Officers). The course meets the mandatory Sea Survival, Basic and Advanced Fire Fighting, and Certificate of Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats (CPSC) continued competency requirements for current seafarers with qualifying sea service<sup>1</sup>.

### **Certificate of Proficiency (CoP) Rating Continued Competence Refresher Training\*\***

Relevant competencies from STCW Tables A-VI/1-1, A-VI/1-2 and A-VI/2-1

The Certificate of Proficiency (CoP) Rating Continued Competence Refresher Training is designed for holders of an AMSA issued Certificate of Proficiency as Rating (Integrated Rating, Able Seaman, Deck Rating or Engine Room Rating). The course meets the mandatory Sea Survival, Basic Fire Prevention and Fire Fighting, and Certificate of Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats (CPSC) continued competency requirements for current seafarers with qualifying sea service<sup>1</sup>.

### **Observe personal safety and social responsibility** MARF041

Observe Personal Safety and Social Responsibilities (PSSR) | STCW Reg VI/1 Code A-VI/1 Table A-VI/1-4

The PSSR course provides mandatory minimum training in personal safety and social responsibility on board a vessel and is one of the components required to obtain an AMSA issued Certificate of Safety Training.

### **Survive at sea in the event of vessel abandonment** MARF046

Personal Survival Techniques (PST) | STCW Reg VI/1 Code A-VI/1 Table A-VI/1-1

Learn the skills and techniques required for personal survival at sea. The PST course is one of the components required to obtain an AMSA issued Certificate of Safety Training.

\*\*\* AMSA approved, non-accredited training

<sup>1</sup> Qualifying sea service is three months in total during the preceding six months or at least 12 months in total during the preceding five years



# OTHER SHORT COURSES



## COMMUNICATIONS

**Transmit and receive information by the global maritime distress and safety system MAR0011**  
Marine Emergency Care, Craft and Communication (GMDSS) | STCW Reg IV/2

Gain the skills and knowledge to operate GMDSS equipment including digital selective calling techniques for communication using MF, HF and VHF radiotelephone, HF radio telex and satellite communication using INMARSAT-C ship earth stations. This course complies with Australian Maritime Safety Authority, Marine Order 70 (Seafarer Certification) 2014, Section 21A.

**Global Maritime Distress Safety System (GMDSS) Revalidation\*\***  
Relevant competencies from STCW Table A-IV/2

This course complies with Australian Maritime Safety Authority, Marine Order 70 (Seafarer Certification) 2014, Section 25A, where requirements for revalidation of a GMDSS Radio Operators Certificate (ROC) specify completion of an approved revalidation course.

**Marine Radio Operator's VHF and HF Skill Set MARSS00010**  
Long Range Operator's Certificate of Proficiency (LROCP)

This course is for operating both Very High Frequency (VHF) short range radios and Medium Frequency/High Frequency (MF/HF) radios (which are designed for long range transmission).

**Marine Radio Operator's VHF Skill Set MARSS00011\***  
Short Range Operator's Certificate of Proficiency (SROCP)

Designed for those who are only carrying and/or operating a Very High Frequency (VHF) short range radio.

## FIRST AID

**Provide First Aid HLTAID011**

Gain the skills to undertake the initial management of injuries and illnesses occurring within the workplace, home, recreational and remote settings.

## PASSENGER SAFETY TRAINING

**Crowd Management\*\*** | STCW Reg V/2 & Code Section A-V/2, para 2 & 3, Table A-V/2-1

This course provides participants with the skills to be able to control a crowd in an emergency situation on board, locate essential safety and emergency equipment on board, communicate effectively with passengers during an emergency, demonstrate the use of personal life-saving appliances and comply with the ship's safety and emergency procedures.

**Crisis Management\*\*** | STCW Reg V/2 & Code Section A-V/2 para 4, Table A-V/2-2

This course covers the minimum standard of competence for masters, chief mates, chief engineers, second engineer officers and any other person assigned immediate responsibility for embarking and disembarking passengers, for loading, discharging or securing cargo, or for closing hull openings and any other person having responsibility for the safety of passengers in emergency situations.

\* Training and assessment is delivered by UAV Industries Pty Ltd on behalf of TAFE Queensland for Torres Strait based delivery only

\*\* Non-accredited training



## SAFETY AND SURVIVAL

### Shipboard Safety Skill Set MARSS00008\* | NSCV Table 2 Elements of Shipboard Safety (ESS)

Learn survival techniques and safe working procedures for emergency situations on board a vessel including basic firefighting and use of a survival craft in the event of vessel abandonment. Successful completion of this course is recommended for anyone working on board commercial vessels.

## MARINE SAFETY

### Marine Safety (Low complexity duties) Exemption 38

This course is designed for participants who are required to command or operate a vessel <12m long with inboard engines <100kw or outboard engines <250 kw, vessels operating in a marina, vessels operating 1 nautical mile from shore or in waters within 250m of a structure fixed to the shore, and vessels that are used for towing persons (Waterski).

## YACHTS

### Master of Yachts Limited (200 Tons) / Master up to 24 metres Crossover\*\*

The IYT Master of Yachts courses have become the most globally accepted courses for the operation of commercial yachts up to 200 Tons. Recognition by 25 Governments has placed IYT MOY 200 Ton accreditation at the forefront as the global standard of certification.

*In partnership with International Yacht Training Worldwide.*

## TUGS

### Tug and Barge Master General Operators Course\*\*

This course is designed to help participants to assist owners and operators engaged in towage work, or harbour masters, contractors and others when risk assessing towage operations; and enable individuals to demonstrate that they are suitably competent to carry out such work.

\*\* Non-accredited training





# MARITIME TRAINING



Depending on the course you choose, you have the flexibility to study full-time, part-time or a combination of options to suit you. You'll be trained by experts in their field with years of maritime experience.

Great Barrier Reef International Marine College holds an AMSA Certificate of Approval to conduct final assessments.

Visit [amsa.gov.au](http://amsa.gov.au) for more information.

## **Certificate I in Maritime Operations (Coxswain Grade 2 Near Coastal) MAR10418\***

Gain the skills you need to command a commercial vessel (up to 12m in length, not carrying passengers) and operate this vessel in sheltered waters within three nautical miles of a parent vessel within the Exclusive Economic Zone (EEZ).

Job prospects | **Deckhand/Master of vessels up to 12m (restrictions apply)**

## **Certificate II in Maritime Operations (Coxswain Grade 1 Near Coastal) MAR20318\***

Advance your maritime career and learn skills that will help you become a Coxswain of commercial vessels up to 12m long.

This course will teach students how to operate and maintain auxiliary marine engine systems, how to plan and navigate a passage and how to operate inboard and outboard motors.

Job prospects | **Deckhand/Master of vessels up to 12m**

## **Certificate I in Maritime Operations (General Purpose Hand Near Coastal) MAR10318\*\*^**

This course is the perfect introduction if you're interested in working in the maritime industry and covers emergency vessel procedures, nautical terminology and practical seamanship. Students who obtain this qualification are eligible to work on commercial vessels as a General Purpose Hand on deck or in the engine room.

Job prospects | **General Purpose Hand/Deckhand**

## **Certificate III in Maritime Operations (Master up to 24 metres Near Coastal) MAR30918\***

This course will teach you how to operate propulsion systems, steering and navigation systems, radar and other electronic navigation equipment, radio systems and safety management equipment as well as maintenance on most aspects of a vessel.

Job prospects | **Master of vessels up to 24m / Mate of vessels up to 35m**

## **Certificate IV in Maritime Operations (Master up to 35 metres Near Coastal) MAR40618^**

This qualification is open to highly experienced seafarers who have acquired a significant amount of sea time and want to apply for a Certificate of Competence as a Master <35m Near Coastal. During this course, you will learn how to forecast the weather and predict ocean conditions, manage a small crew and act as a chief mate on a vessel up to 80m long.

Job prospects | **Master of vessels up to 35m / Mate of vessels up to 80m**

\* Training and assessment is delivered by UAV Industries Pty Ltd on behalf of TAFE Queensland for Torres Strait based delivery only

^ Qualification currently in transition, course code subject to change



### **Certificate II in Maritime Operations (Marine Engine Driver Grade 3 Near Coastal) MAR20418\***

This qualification will enable you to obtain a licence to allow you to act as a Chief Engineer on a vessel with propulsion power up to 500kW or as a Second Engineer on a vessel with propulsion power up to 750kW in the Exclusive Economic Zone. Learn how to work in an engine room, service and maintain internal combustion engines and operate deck machinery.

Job prospects | **Chief Engineer on vessels up to 500kW / Second Engineer on vessels up to 750kW**

### **Certificate III in Maritime Operations (Marine Engine Driver Grade 2 Near Coastal) MAR30818**

Learn to operate and maintain equipment in larger vessels. This qualification will enable you to obtain a licence to allow you to act as a Chief Engineer on a vessel with propulsion power up to 750kW or as a Second Engineer with propulsion power up to 1500kW in the Exclusive Economic Zone.

Job prospects | **Chief Engineer on vessels up to 750kW / Second Engineer on vessels up to 1500kW**

### **Certificate IV in Maritime Operations (Marine Engine Driver Grade 1 Near Coastal) MAR40518^**

Enhance your knowledge and practical skills when working on large vessels. Not only will you hone your skills in the engine room, you'll also learn to manage a vessel's stability, manage refuelling and how to maintain machinery and structural components. This qualification will enable you to obtain a licence to allow you to act as a Chief Engineer on a vessel with propulsion power up to 1500kW or as a Second Engineer on a vessel with propulsion power up to 3000kW in the Exclusive Economic Zone.

Job prospects | **Chief Engineer on vessels up to 1500kW / Second Engineer on vessels up to 3000kW**

### **Certificate III in Maritime Operations (Marine Cookery) MAR30415^**

Get specialised skills that will help you become a professional cook or chef in the maritime industry. This course will teach you how to organise and prepare food, understand the basic methods of cookery and hygiene, and how to safely work on board a vessel. This course complies with Australian Maritime Safety Authority, Marine Order 70 (Seafarer Certification) 2014, Section 23.

Job prospects | **Marine Cook**

\* Training and assessment is delivered by UAV Industries Pty Ltd on behalf of TAFE Queensland for Torres Strait based delivery only

^ Qualification currently in transition, course code subject to change



# FACILITIES



As a student of GBRIMC, you'll have access to an extensive range of fully equipped, modern training resources. A qualified team of industry professionals with years of maritime experience will provide you with the skills and training to carry out simulated exercises supported by comprehensive safeguards and procedures.

## FULL MISSION BRIDGE SIMULATOR (KONGSBERG POLARIS)

Our Kongsberg Polaris simulator is a STCW and DNV compliant Class-A Bridge Simulator. The Full Mission Bridge is equipped with two independent ECDIS consoles (Kongsberg K-Bridge), two independent RADAR consoles with full ARPA function, Pilot Plug for AIS transponders and Portable Pilotage Units and the controls required to operate a range of propulsion and steering systems, while offering a 270 degree field of vision. The Full Mission Bridge is also integrated with OMC International's Dynamic Under Keel Clearance System.

The simulator's integrated database and hydro-dynamic software allows operators to modify the experience according to student requirements. Digital models of ports from around the world, including major Australian ports, have been preprogrammed into this state-of-the-art system.



## TUG-OPTIMISED BRIDGE

Our tug-optimised bridge offers a highly flexible and configurable bridge for towing, ship handling, manoeuvring and navigation operations. It has a 360 degree field of vision for all ship models and is equipped with controls for both Azimuthing and Conventional propulsion. The Tug-Optimised Bridge also offers hydraulic winch controls, a full-featured K-Bridge ECDIS station, GMDSS communication within the simulation facility and a Pilot Plug for AIS transponders and Portable Pilotage Units.

This simulator can work in conjunction with or separate to the Full Mission Bridge and all eight Desktop Simulators.



## DESKTOP SIMULATORS

The eight Kongsberg Polaris desktop simulators are located in a purpose-built classroom environment and operated from a separate instructor station to the Full Mission Bridge and Tug-Optimised Bridge. Each desktop simulator has four displays – a visual display, ECDIS and RADAR displays, and a control display. Standard controls and instrumentation that are found on a ship's bridge are electronically replicated on the control display, and the Kongsberg K-Bridge ECDIS gives each desktop simulator full electronic navigation functions. Voice and data GMDSS communication equipment is also replicated in each desktop simulator giving students the ability to communicate between other simulators within the facility.







## MULTI-PURPOSE EMERGENCY RESPONSE TRAINING SIMULATOR (MERTS)

This “ship ashore” facility provides a variety of training opportunities including real time firefighting, leak stopping (damage control) and crew emergency response training.

The MERTS is a three deck complex complete with an engine room, switchboard, galley, cabin, floodable compartment and store room. Training is supported by a fully qualified team with comprehensive safeguards and procedures.



## ENGINEERING WORKSHOPS

The workshops feature an extensive range of equipment for a variety of training purposes including welding, marine refrigeration and electrical maintenance.

Additionally, there is a small vessel engine room for maintenance and operational training.



## IMMERSION POOL

Used for sea survival training, the on-site immersion pool measures 15 metres x 10 metres and is four metres deep.

The immersion pool allows you to simulate emergency procedures including the launch and operation of life-rafts and use of on-board lifesaving equipment for survival techniques and ocean rescues.



## VESSEL

Our 20 metre commercially registered vessel '*MV Gwendoline May*' is configured to meet the practical requirements of relevant training programs in the maritime industry that GBRIMC is approved to deliver.



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