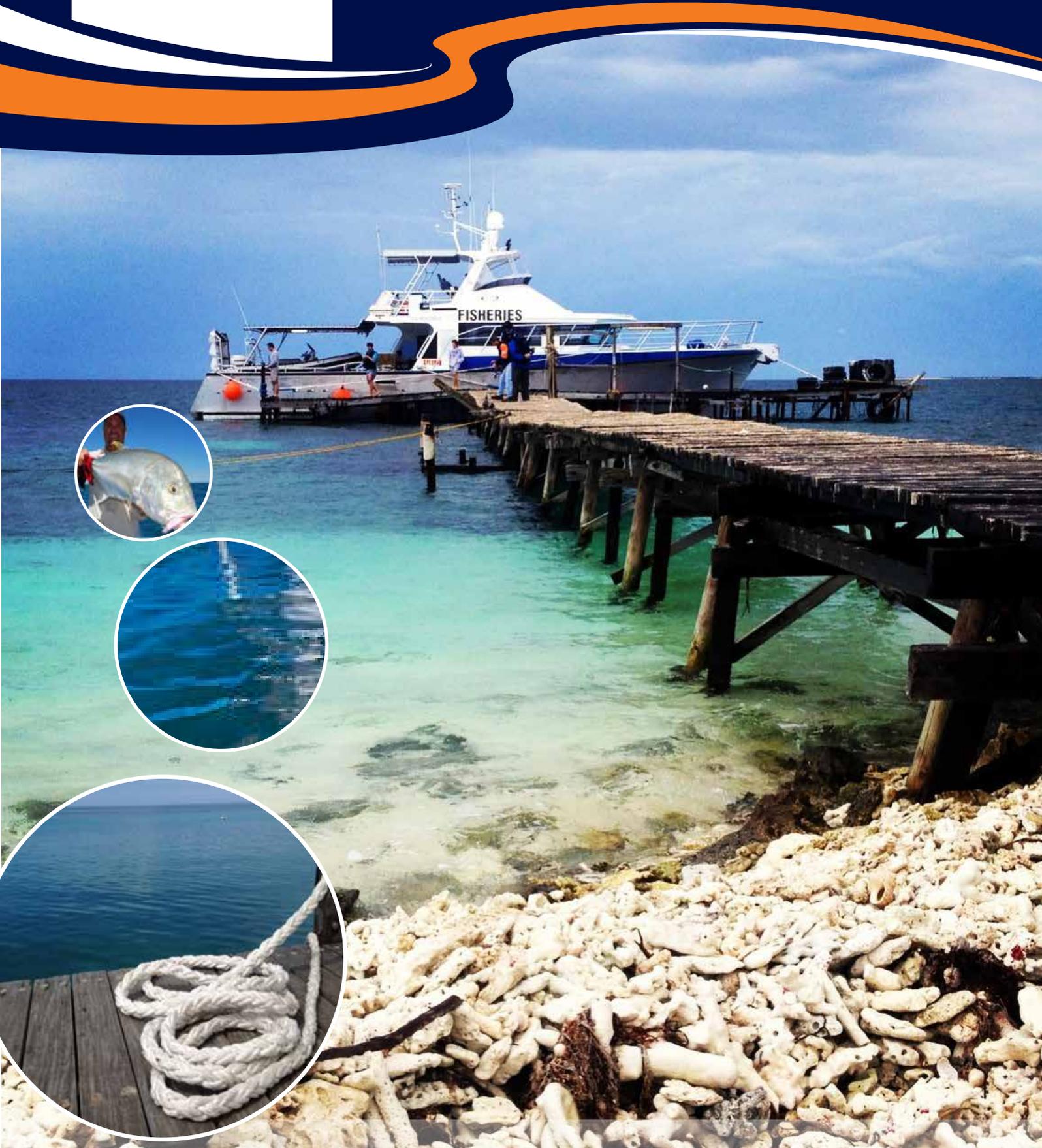
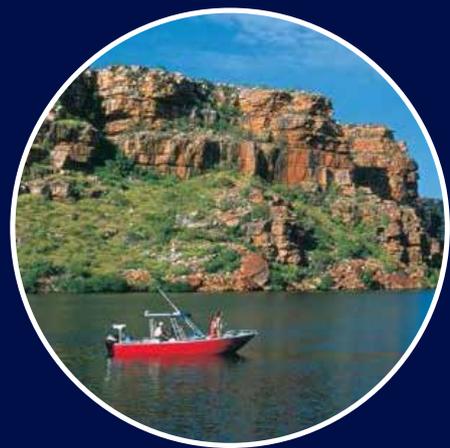


# Maritime Training Program

Kimberley Training Institute  
Semester 1 - 2016





## Kimberley Training Institute - TAFE WA

TAFE is Australia's largest provider of vocational education and training. Kimberley Training Institute (KTI) is a TAFE owned and operated by the Western Australian (WA) Government. Established in 1994, KTI is the largest Registered Training Organisation in the Kimberley region of Western Australia and sits at the core of the region's economic and social development strategies. The Institute has six campuses located strategically in Broome, Derby, Kununurra, Fitzroy Crossing, Halls Creek and Wyndham and offers over 160 nationally recognised,

industry-endorsed qualifications.

KTI engages closely with industry to deliver training that provides skills to meet their continuously changing needs. KTI provides business and Government agencies with solutions that will improve productivity through increased skills development. KTI is committed to providing innovative vocational education, and training services that are flexible, relevant, and responsive to community and industry.

<http://kti.wa.edu.au/>  
<http://youtu.be/lkYLjip8QyI>

## Maritime Training

Kimberley Training Institute has a solid history in maritime training and has formed strong links with the Pearling, Aquaculture, Fishing, Charter, Compliance and Marine ranger industries over the past two decades.

The courses delivered through KTI are nationally recognised throughout Australia and have established a fantastic reputation for quality training and assessment with the regulators including AMSA, DOT, and the Training Accreditation Council (TAC).

The qualifications range from Certificate 1 through to Certificate 3 and include

- MAR10413 Certificate 1 in Maritime Operations (Coxswain Grade 2 near coastal)
- MAR20313 Certificate 2 in Maritime Operations (Coxswain Grade 1 near coastal)
- MAR30913 Certificate 3 in Maritime Operations (Master 24 near coastal)
- MAR30813 Certificate 3 in Maritime Operations (Marine Engine Driver Grade II)

These qualifications are delivered in skill sets, enabling flexibility for students and the ability to articulate across qualifications

In addition to the delivery of accredited training listed above Kimberley Training Institute also delivers the following maritime related services.

- Recreational Skippers Ticket (RST)

Maritime Simulation Services through our world renowned Broome Maritime Simulation Centre (BMSC) include.

- Seaways accredited ASD training
- Port development analysis
- Port efficiency studies
- Pilot training and VOC
- Emergency procedures training
- Customised programs





## MAR10413 Certificate 1 in Maritime Operations (Coxswain Grade 2 near coastal)

Upon successful completion, this certificate entitles the holder to:

- Command a vessel less than 12m in length that is not carrying passengers and has less than 100kw of power for an inboard engine (however outboards are unlimited).
- Operate a vessel in sheltered waters or as a tender within 3nm of a parent vessel or from an aquaculture lease.

To attain the qualification required for the certificate you need to complete the following skill sets

- Elements of Shipboard Safety (ESS)
- Coxswain Vessel Operations
- Coxswain Environmental practices

Required Text:

- Nautical Knowledge Coxswain SLG ABF521
- Elements of Shipboard Safety

## MAR20413 Certificate 2 in Maritime Operations (Coxswain Grade 1 near coastal)

Upon successful completion, this certificate entitles the holder to:

- Command a vessel less than 12m in length carrying passengers and has less than 500kw of power for an inboard engine (however outboards are unlimited).
- Operate a vessel within waters designated by DOT.

To attain this qualification you need to complete the following skill sets

- Elements of Shipboard Safety (ESS)
- Coxswain Vessel Operations
- Coxswain Environmental practices
- Coxswain Engineering
- Coxswain Navigation
- Marine Radio

Required Text:

- Nautical Knowledge Coxswain SLG ABF521
- Engineering Knowledge Coxswain SLG ABF522
- Elements of Shipboard Safety
- Marine Radio Operators Handbook

## AMSA guidance notes

The Australian Maritime Safety Authority (AMSA) is the regulatory authority responsible for licensing mariners.

For each qualification level AMSA has a set of guidance notes that indicate what is required in order for applicants to attain their certificate of competency or license.

Guidance notes will provide you with direction on

- Duties you can perform
- Sea service requirements
- Restrictions
- Task books
- Final assessment
- Application processes
- Eligibility criteria
- Renewal processes

For more information on the guidance notes required for your qualification level please visit <http://amsa.gov.au/forms-and-publications/domestic/fact-sheets/index.asp>



## **MAR30413 Certificate 3 in Maritime Operations (Master 24 near coastal)**

Upon successful completion, this certificate entitles the holder to:

- Command a commercial vessel less than 24m in length in the EEZ.
- Act as a Chief Mate or deck watch keeper on vessels <35m long

To attain this qualification you need to complete the following skill sets

- Elements of Shipboard Safety (ESS)
- Master 24 Seamanship Skills
- Master 24 Navigation Watch keeping
- Master 24 Ship Knowledge
- Marine Radio

Required Text:

- Australian Boating Manual
- Coastal Navigation (Master 5) SLG, ABF532
- Nautical Knowledge (Master 5) SLG, ABF531
- Radar (Master 5) ABF534/SLG
- Ship knowledge (Master 5) SLG ABF533
- Elements of Shipboard Safety
- Marine Radio Operators Handbook

## **MAR30813 Certificate 3 in Maritime Operations (Marine Engine Driver Grade II)**

Upon successful completion, this certificate entitles the holder to:

- Act as Chief Engineer on a vessel with propulsion power <750 kW within the EEZ
- Act as Second Engineer on a vessel with propulsion power <1500 kW within the EEZ

To attain this qualification you need to complete the following skill sets

- Elements of Shipboard Safety (ESS)
- Marine Engine Driver II (MEDII)

Required Text:

- Marine Auxiliary Equipment & System Operations (MED2): SLG ABF632
- Marine Diesel Engine Operation (MED2) SLG, ABF631
- Marine operational procedures and safety (MED2) SLG, ABF633
- Elements of Shipboard Safety



# Skill sets

**M**aritime courses are delivered in groups of similar units called 'skill sets'. The skill sets are designed to ensure that training and assessment are meaningful and relevant.

**S**kill sets can enable students to gather skills for multiple qualifications and also allow students to pick sessions that fit in with their work program.



# Skill sets

## Elements of Shipboard Safety

Cost: \$433.33

This Skill Set forms a crucial part of all maritime qualifications offered from Coxswain Grade II, Coxswain, Master 24 and MED II. This 3 day course covers all of the important emergency procedures required to survive at sea if disaster strikes. The three day course is intensive, rigorous and physically demanding and students will learn how to

- Correctly take action on discovery of an emergency
- Correctly raise the alarm of an emergency
- Swim short distances while fully clothed and wearing shoes without the aid of a life jacket
- Launch a life raft, right an inverted life-raft, climb into the life raft and assist other survivors
- Follow evacuation procedures to abandon ship
- Successfully use Flares, EPRIBS and other emergency equipment
- Use Survival Techniques such as HELP (Heat Escape Lessening Position)
- Use correct fire extinguisher to extinguish a fire type such as oil fire, electrical fire or plastic fire
- Understand and practice OS&H workplace procedures

Students must be able to confidently swim 100m unaided to do this course.

### Elements of Shipboard Safety (ESS)

Units include:

- MARF001- Apply basic survival skills in the event of vessel abandonment
- MARF002 - Follow procedures to minimise and fight fires on board a vessel
- MARF004- Meet work health and safety requirements
- MARF005 - Survive at sea using survival craft

Books required:

- 1742053158 Elements of Shipboard Safety

Delivery:

DATES	CAMPUS	LECTURER
24 <sup>th</sup> to 26 <sup>h</sup> February	Broome	Mik Burton
22 <sup>nd</sup> to 24 <sup>th</sup> March	Broome	Mik Burton
4 <sup>th</sup> to 6 <sup>th</sup> April	Derby	Ben Little
16 <sup>th</sup> to 18 <sup>th</sup> May	Broome	Al Castle
15 <sup>th</sup> to 17 <sup>th</sup> June	Kununurra*	Al Castle





## Coxswain Vessel Operations

**Cost: \$882.20**

This skill set is a fundamental component of both the Coxswain Grade II and Coxswain qualifications. This three day course covers all of the necessary points to safely operate and manoeuvre a vessel to 12m in length following domestic regulations. This course is rigorous and students will learn to

- Apply regulations, laws and codes of conduct required to operate a commercial vessel
- Handle and manoeuvre a vessel in varying conditions and emergencies
- Tow and be towed safely
- Secure a vessel and apply ropes and knots to different situations
- Understand and maintain different propulsion systems and their application
- Check the condition and seaworthiness of a vessel and identify engine faults
- Refuel

### Coxswain Vessel Operations

Units include:

MARI001 - Comply with regulations to ensure safe operation of a vessel up to 12 metres

MARK001 - Handle a vessel up to 12 metres

MARN002 - Apply seamanship skills aboard a vessel up to 12 metres

MARC005 - Operate inboard and outboard motors

Books required:

- NAUTICALKN Nautical Knowledge (Coxswain): student learning guide ABF521/SLG

Delivery:

DATES	CAMPUS	LECTURER
1 <sup>st</sup> to 3 <sup>rd</sup> March	Broome	Al Castle
29 <sup>th</sup> March to 1 <sup>st</sup> April	Derby	Al Castle
23 <sup>rd</sup> to 25 <sup>th</sup> May	Broome	Mik Burton
21 <sup>st</sup> to 24 <sup>th</sup> June	Kununurra*	Ben Little



## Coxswain Environmental practice Cost: \$132.40

This skill set is a fundamental component of both the Coxswain Grade II and Coxswain and MED II qualifications. This unit involves the skills and knowledge required to be aware of environmental issues associated with commercial vessel operations and ensure that we are doing our best to minimize any negative impact we might be having on the marine environment. In this course you will cover

- Correct environmental practices whilst at sea
- Environmental rules and regulations that we need to follow
- Identifying environmental hazards
- Protection measures
- How to improve and record your environmental practices



### Coxswain Environmental Practice

Units include:

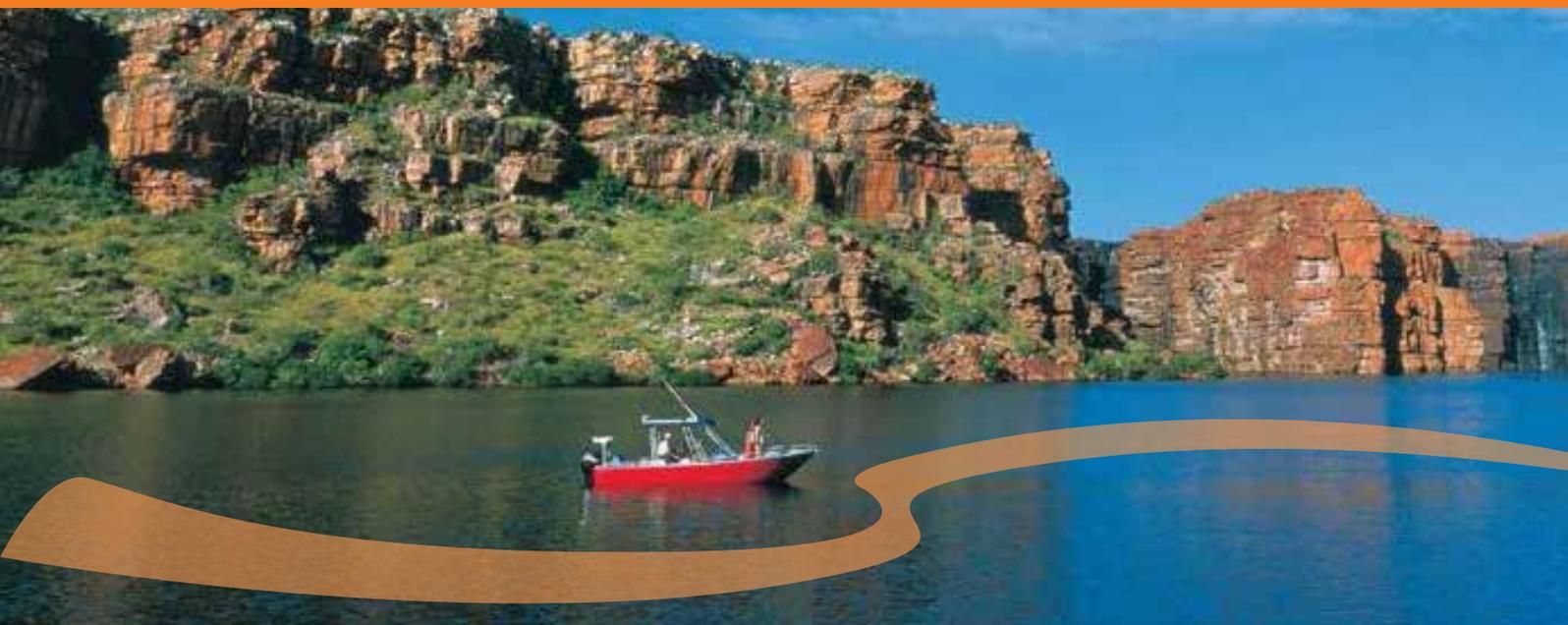
MARJ001 - Follow environmental work practices

Books:

- Nautical Knowledge Coxswain SLG, ABF 521

Delivery:

DATES	CAMPUS	LECTURER
4 <sup>th</sup> March	Broome	Al Castle
4 <sup>th</sup> April	Derby	Ben Little
26 <sup>th</sup> May	Broome	Mik Burton
20 <sup>th</sup> June	Kununurra*	Ben Little



## Coxswain Navigation

**Cost: \$185.72**

Coxswain navigation is an intensive and hands on three day skill set and forms part of the mandatory requirement of the Coxswain qualification.

You will learn how to

- develop and undertake a passage plan for your vessel in recognition of weather and tides
- interpret navigational charts and navigational hazards
- safely & accurately plot your position using a range of different navigation equipment,
- apply navigation to coastal voyages
- Coxswain Navigation provides some great skills for recreational and commercial vessel operators alike and is a must for anyone wanting to undertake a Kimberley trip.

### Coxswain Navigation

Units include:

MARH001 - Plan and navigate a passage for a vessel up to 12 metres

Books required:

- NAUTICALKN Nautical Knowledge (Coxswain): student learning guide ABF521/SLG

Delivery:

DATES	CAMPUS	LECTURER
8 <sup>th</sup> to 11 <sup>th</sup> March	Broome	Al Castle
30 <sup>th</sup> May to 2 <sup>nd</sup> June	Broome	Al Castle



## Coxswains Engineering

**Cost: \$196.95**



The Engineering skill set is a mandatory requirement in the Certificate II in Coxswains Qualification. This skill set is an intensive three day course introducing basic marine engineering. During this course you will learn to:

- Operate and service small vessel propulsion systems including Diesel and petrol engines, cooling systems, lubrication systems
- Undertake Pre-start checks, routine checks, fault finding, shutdown procedures
- Operate and service auxiliary systems including Steering systems, emergency steering, rudders, Bilges systems, manifold systems and valves
- Operate Deck machinery, anchor windlass, winches
- Maintain and service marine extra low and low voltage electrical systems
- Carry out refuelling and fuel transfer operations

This course will provide you with the ability to maintain machinery, troubleshoot and identify potential problems as well as service machinery according to manufacturer's schedules.

### Coxswain Engineering

Units include:

MARC006 - Operate main propulsion unit and auxiliary systems

MARB002 - Perform basic servicing and maintenance of main propulsion unit and auxiliary systems

Books required:

- ENGINEERIN Engineering Knowledge (Coxswain): student learning guide ABF522/SLG

Delivery:

DATES	CAMPUS	LECTURER
14 <sup>th</sup> to 16 <sup>th</sup> March	Broome	Al Castle
7 <sup>th</sup> to 9 <sup>th</sup> June	Broome	Mik Burton



## Master 24 Ship Knowledge

**Cost: \$205.26**

The Ship Knowledge skill set is a five day course that is a prerequisite for the Master 24 qualification. This skill set focuses on the necessary skills required to sufficiently maintain a vessel to 24m in length and more specifically you will learn to

- Plan and undertake basic deck maintenance
- Clean and prepare the vessel for maintenance
- Carry out maintenance of deck fittings, equipment and systems, underwater components and identify faulty components
- Supervise crew undertaking maintenance
- Safely slip a vessel
- Undertake pre deployment checks and duties

### Master 24 Ship Knowledge

Units include:

MARB004 - Perform routine maintenance on a vessel up to 24metres

MARB005 - Slip or dock a vessel and maintain hull on a vessel up to 80 metres

Books required:

- SHIPSKNOWL Ship knowledge (Master 5) : student learning guide ABF533/SLG
- Australian Boating Manual

Delivery:

DATES	CAMPUS	LECTURER
15 <sup>th</sup> to 19 <sup>th</sup> February	Broome	Mik Burton
26 <sup>th</sup> to 29 <sup>th</sup> May	Broome	Mik Burton



## Master 24 Navigation Watch Keeping Cost: \$659.70

The Navigation Watch keeping skill set is an intensive five day course and is a mandatory skill set for the Master 24 qualification.

You will learn how to

- Maintain a bridge watch whilst anchored and at sea
- Respond to emergency situations
- Manage crew on watch
- Plan, navigate and execute a passage in a range of weather and tides
- Set up and use a wide range of wheelhouse equipment including radar, ECS, ECDIS, AIS, DGPS and GPS, sounders, and more
- Maintain navigational records

Through this skill set you will work on a detailed scenario for a simulated vessel 'Master Class' and you will run the vessel through your scenario on our world class full mission, full bridge maritime simulator. This simulation is state of the art and we are confident that you will not find any better training for this skill set anywhere in Australia.

### Master 24 Navigation Watchkeeping

Units include:

MARH003 - Manage and maintain a navigational watch on board vessels up to 80 metres

MARH004 - Plan and navigate a passage for a vessel up to 80 metres

MARH005 - Use wheelhouse equipment for safe navigation

Books required:

- RADARM5 Radar (Master 5) ABF534/SLG
- COASTALNAV Coastal Navigation (Master 5): student learning guide ABF532/SLG
- Australian Boating Manual

Delivery:

DATES	CAMPUS	LECTURER
1 <sup>st</sup> to 5 <sup>th</sup> February	Broome	Al Castle
2 <sup>nd</sup> to 6 <sup>th</sup> May	Broome	Al Castle





## Master 24 Seamanship Skills

**Cost: \$341.25**

The Seamanship skill set is an intensive five day course and is a mandatory skill set for the Master 24 qualification.

You will learn how to:

- Ensure that your vessel maintains survey
- Apply regulations to vessel maintenance and maintain necessary records
- Successfully work with your crew to achieve your goals
- Ensure environmental standards are being met
- Manoeuvre a vessel up to 24m in a range of different conditions and in emergencies
- Apply seamanship skills including using and maintaining ropes and wires, operating lifting gear, securing a vessel, checking the seaworthiness and stability of a vessel, securing stores and loads, and overseeing refuelling operations.

### Master 24 Seamanship Skills

Units include:

BSBFLM303C - Contribute to effective workplace relationships

MARI002 - Observe regulations to ensure safe operation of a vessel up to 80 metres

MARJ002 - Monitor environmental management on a vessel

MARK002 - Manoeuvre a vessel up to 24 metres within near coastal waters

MARN003 - Perform seamanship operations on board a vessel up to 24 metres

Books required:

- NAUTKNOWM5 Nautical Knowledge (Master 5): student learning guide ABF531/SLG
- Australian Boating Manual

Delivery:

DATES	CAMPUS	LECTURER
8 <sup>th</sup> to 12 <sup>th</sup> February	Broome	Al Castle
9 <sup>th</sup> to 13 <sup>th</sup> May	Broome	Mik Burton



## Marine Engine Driver II (MED II) Cost: \$2,284.13

This intensive two week skill set is designed for experienced crew wishing to advance their certification to MED II. This skill set forms the majority of the MED II qualification and is extremely engaging. You will learn how to:

- Service and maintain engines, auxiliary equipment and vessels to high standards and within regulations
- Manage a range of engineering components and systems
- Operate and maintain a range of electrical systems and equipment
- Undertake and record routine checks on engine room items

Our highly experienced and qualified trainers have earned a formidable reputation for their high standard of training in the MED II courses and you will struggle to find better trainers anywhere else in Australia.

### Marine Engine Driver Grade II (MED II)

Units include:

BSBWOR203B - Work effectively with others  
 MARB006 - Maintain marine internal combustion engines, propulsion plant and auxiliary systems  
 MARC001 - Complete engine room tasks  
 MARC002 - Maintain hull out of water  
 MARC003 - Operate and maintain extra low and low voltage electrical systems and equipment  
 MARC004 - Operate deck machinery  
 MARC007 - Operate marine internal combustion engines, and propulsion and auxiliary systems  
 MARJ001 - Follow environmental work practices  
 MARC008 - Manage fuel systems  
 MARC009 - Operate and monitor marine internal combustion engines, propulsion plant and auxiliary systems  
 MARC010 - Operate electrical systems  
 MARB007 - Undertake basic maintenance of electrical systems

Books required:

- MARINEAUXE Marine Auxiliary Equipment & System Operations (MED2): SLG ABF632
- MARDIESELE Marine Diesel Engine Operation (MED2): student learning guide ABF631/SLG
- MARINEOPER Marine operational procedures and safety (MED2): student learning guide ABF633

Delivery:

DATES	CAMPUS	LECTURER
8 <sup>th</sup> to 18 <sup>th</sup> March	Broome	Mik Burton
TBA	Broome	TBA



## Marine Radio Operator Certificate of Proficiency Cost: \$212.40

This two day skill set will provide you with the skills required to use a marine radio correctly. The Marine Radio skill set is a mandatory requirement for the Coxswains and Master 24 License issued by AMSA and DOT and also results in the official Marine Radio Operators Certificate of Proficiency (MROCP) License issued by ACMA.

During this course you will learn about

- VHF, HF, UHF radios
- Different stations and radio frequencies required for communication.
- Operating procedures for routine, distress, urgency and safety communications
- Marine DSC techniques and procedures, public correspondences, Seaphone and EPIRB's
- Search and Rescue in Australia
- Marine Radio Equipment basic trouble shooting and maintenance

### MROCP

Units include:

TDMME507B - TRANSMIT AND RECEIVE INFORMATION BY MARINE RADIO OR TELEPHONE

Books required:

- AMCMARINE Marine Radio Operator's Handbook Maritime 2013 AMC Marine

Delivery:

DATES	CAMPUS	LECTURER
22 <sup>nd</sup> to 23 <sup>rd</sup> February	Broome	Al Castle
19 <sup>th</sup> to 20 <sup>th</sup> May	Broome	Al Castle