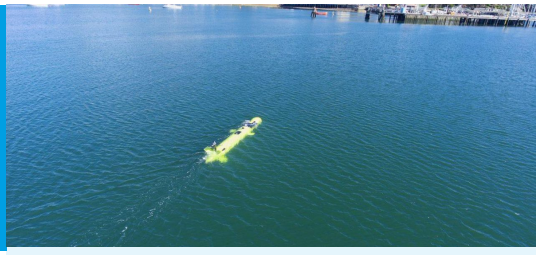
amcsearch.com.au
(03) 6324 9850
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PRINCIPLES OF AUTONOMOUS MARITIME SYSTEMS (PAMS)

COURSE ALSO KNOWN AS:
AMS FUNDAMENTALS



DURATION: 3 days

NO COURSE OPTIONS CURRENTLY AVAILABLE

We do not currently have any scheduled openings for this course.

To express interest, please contact us.

RELATED COURSES

Autonomous Underwater Vehicle (AUV) Basic Operator Training

Principles of AMS (PAMS) course combines face to face AMS theory with direct observation of practical deployment, operation and recovery of multiple Autonomous Marine Systems.

The program provides two days of face to face theory providing an introduction to Autonomous Underwater Vehicle and Autonomous or Un-crewed Surface Vehicles technology, key terminology, operating concepts and system capabilities/limitations. Mixed in with theory delivery are two half day sessions offering direct observation of practical deployment, operation and recovery of multiple Autonomous Maritime Systems. With adequate notice content can be tailored to meet the specific needs of groups undertaking this course.

Designed for personnel who need to start building their knowledge of Autonomous Maritime Systems, ie both AUVs and USVs. It is ideally suited to individuals who need an understanding of Autonomous Maritime Systems, but at this stage of their careers do not need to directly operate them.

The course is delivered through to face theory and practical exercises followed by question and answer sessions to provide candidates with optimal learning outcomes.

CONTENT

- Introduction to Autonomous Maritime Systems
- Introduction mission profiles and planning
- Autonomous systems workflows and teams
- Data formats, conventions and management
- Launch and Recovery Systems
- Vehicle localisation, navigation and communication in the surface and underwater environments
- Introduction to autonomous mission risks and mitigations
- Introduction to managing lost vehicle situations
- Introduction to hydrodynamics and hydrostatics
- Sensing above and below the water with optics, acoustics and RF
- Introduction to Post Mission Analysis and Vehicle Performance Analysis
- Vehicle thrust, power and control systems
- Autonomous systems mission scenarios and near-future capabilities
- AUV case studies: discussions of lessons-learned
- AMC Autonomous Marine Systems (AMS) training continuum

PREREQUISITE

No prerequisite training is required.

OUTCOME

Participants who successfully complete this course will be eligible to receive an Australian Maritime College Certificate in the Principles of Autonomous Maritime Systems (PAMS).

REGISTRATION TERMS

Face to face courses

Cancellations up to 15 working days prior to the scheduled date will be accepted without

penalty. Cancellations less than 15 working days will be subject to 100% cancellation fee.

AMC Search reserves the right to cancel the course 15 working days prior to the scheduled date if insufficient registrations are received. Any fees paid for cancelled courses will be refunded in full.

When making flight bookings please ensure you book on a fully refundable basis.

PAYMENT TERMS

Online course registrations

Payment of course fees, or authorisation to invoice from your company, is required before access to the online learning environment is provided. Please note, it will take between 2-4 business days to provide your access to the online course if you have not studied previously with AMC Search, the Australian Maritime College or the University of Tasmania.

Self-funded registrations

Once payment is requested, it must be received by the stated deadline. If payment is not received and no contact has been made by that deadline, AMC Search reserves the right to remove you from the course.

Company sponsored registrations

All company-sponsored registrations must be supported by a valid Purchase Order (PO) within 7 days of registration. Please send the PO to AMCS.courses@utas.edu.au and include the student's name in the subject line. If these requirements are not met, AMC Search reserves the right to remove the student from the course.

PAYMENT OPTIONS

Payment methods accepted:

- Register now and pay later (payment required 15 days before the course starts)
- Credit Card (online or via (03) 6324-9850)
- Bank Deposit
- Company sponsorship.

Detailed payment options are available here.

LOCATION INFORMATION

This course is conducted at the Beauty Point Campus of the Australian Maritime College.

Beauty Point is situated approx 52 kms north of Launceston.

Participants are advised to arrange accommodation at Beauty Point and transfers from Launceston airport to Beauty Point, as there is no public transport available.

ACCOMMODATION OPTIONS

There are a range of accommodation options at Beauty Point, Tasmania.

- Beauty Point Waterfront Hotel, 16 Flinders St, Beauty Point, TAS, 7270. Phone - (03) 6383-4363
- Hotel Riveria, 19 Lenborough St, Beauty Point, TAS, 7270. Phone - (03) 6383-4153
- Tamar Cove Motel, 4421 West Tamar Highway, Beauty Point, TAS, 7270. Phone - (03) 6383-4375
- Beauty Point Tourist Park, 36 West Arm Road, Beauty Point, TAS, 7270. Phone - (03) 6383-4536

CLIENT PREMISES

This course is portable and available to be conducted on client premises. To discuss, please

contact AMCS.Training@utas.edu.au or telephone (03) 6324 9850.