

# DIAGNOSE AND REPAIR FAULTS IN WIND TURBINE ELECTRICAL SYSTEMS

Using real-world scenarios and turbine simulators, the course aligns with industry standards.

As Australia embarks on an energy transition, this course aims to equip people with the skills and knowledge required to work in the dynamic wind energy industry.

This course equips learners with the essential knowledge and practical skills needed to diagnose and repair faults in wind turbine electrical systems.

Covering a foundational understanding of wind energy, this course delves into the electrical components and control mechanisms integral to wind turbines.

Students will explore key areas such as:

- Power generation
- Grid integration
- Maintenance practices

This will provide the student with the insight into how electrical systems operate and interact within a wind turbine.

Through a combination of theoretical learning and hands-on practice, students will develop the ability to troubleshoot, analyse, and repair faults to maintain optimal turbine performance and safety.

This unit prepares learners to address real-world challenges in the wind energy sector, fostering both technical expertise and a strong commitment to sustainable energy practices.

On completion of this unit, you will be able to:

1. Understand the Fundamentals of Wind Energy and Turbine Systems.
2. Understand how to perform Grid Integration and Maintenance Practices.
3. Develop Skills in Data Logging, Fault Analysis, and Technical Reporting.
4. Interpret Maintenance Data and Formulate Fault Hypotheses.
5. Apply Practical Troubleshooting and Safety Techniques in Real-World Scenarios.

When completed, students will receive an AMC Search "Certificate of Completion".

## 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.



**DURATION:** 5 Days

### **NO COURSE OPTIONS CURRENTLY AVAILABLE**

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

To express interest, please [contact us](#).

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](mailto: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](#).

## LAUNCESTON, TAS

Location: Australian Maritime College, Newnham Drive, Newnham, Launceston, Tasmania.

Airport Transfers: Participants arriving at Launceston Airport should make their way to the Australian Maritime College, Newnham Drive, Newnham. Taxi fare from the airport is approximately \$55.00.

Parking: Complimentary car parking is provided on campus in areas designated to AMC Search participants and clients.

Launceston Accommodation: On-campus accommodation in Launceston can be reserved via the online enrollment form. Further accommodation information is available [here](#), together with off-campus options.

## NORFOLK HALL ON-CAMPUS ACCOMMODATION

We offer affordable on-campus accommodation that's ideal if you're taking part in a course at our campus in Launceston, Tasmania.

[Norfolk Hall](#) offers Motel Style accommodation for \$100 per night (bed only). On-campus accommodation in Launceston can be reserved via the online enrolment form.

Norfolk Hall is situated on the main campus of the Australian Maritime College at Newnham, Launceston, which is where most of our courses take place.

Accommodation at Norfolk Hall provides the following facilities:

- Queen size beds

- En-suite facilities
- Television
- Fridge
- Rooms serviced daily (excluding weekends)

Affordable meals are available at the on-site AMC Cafeteria.

You can reserve a room when you register for your course or via email [AMCS.courses@utas.edu.au](mailto:AMCS.courses@utas.edu.au) or telephone: +61 3 6324 9850.