amcsearch.com.au
(03) 6324 9850
phone Int: +61 3 6324 9850

GREEN HYDROGEN PRODUCTION FOR ENGINEERS (ONLINE)

ONLINE



DURATION: Online

COURSE DATES:
Course Fee | Online | $1,545

Provides participants with the knowledge necessary for the production of green hydrogen.
The course builds upon prior engineering knowledge to develop the conceptual and analytical skills necessary at a detailed level of hydrogen production with a particular emphasis required for initial parameter estimates. This knowledge can then be applied to obtain solutions to practical problems pertaining to the design of hydrogen production plant.

It will take approximately 21 hours in total to complete this course.

You will be able to do the course in sections if you wish.

The course consists of 8 learning modules and 1 assessment:

1. Hydrogen as Energy
2. Description of Hydrogen and Water
3. Hydrogen Production Methods
4. Proton Exchange Membrane (PEM) Water Electrolysis
5. Health and Safety
6. Modelling PEM Electrolysis Systems with Simscape
7. CFD(Computational Fluid Dynamics) Simulation for a Hydrogen Leak
8. Demonstration of Hydrogen Plant Rig

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

1. Understanding the design and operation of hydrogen production plants.
2. Exploring the physical principles of "Electrolysis".
3. Familiarization of essential integrated devices and electrical/thermal systems.
4. Production operation under changing resources and automatic control.
5. Adjusting optimum operating points for maximum production.
6. Understanding latest regulations and standards for hydrogen production.
7. Understanding the risk associated with hydrogen production and storage.
8. Understanding the identification of risk, control, mitigation and elimination strategies and techniques for the production and storage of hydrogen.

EQUIPMENT REQUIRED

Green Hydrogen Production for Engineers course is provided using the University of Tasmania's online learning environment, MyLO. Please check your browser is set up to use MyLO by checking this browser information.

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.

ONLINE DELIVERY