



AIRAH accredited

Professional Diploma in Sustainable HVAC Design and Operation

Online training for the built environment



AIRAH accredited Professional Diploma in Sustainable HVAC Design and Operation

This modular online program offers an advanced level of professional development for HVAC&R and building services industry professionals. It will provide you with unparalleled insight into sustainable HVAC systems and operations.

It is an online course, designed so each of the four modules can be undertaken separately, as preferred.



FOUR MODULES

Each module involves approximately five months of activity, with completion of the full program taking about two years of part-time study.

Students who complete all four modules will be given a final case study project to complete and submit. Professional Diploma candidates will be given four months to complete this final project.

Find out more at
airah.org.au/pdsdo

Individual modules

Choose any/all of modules 1-4 to upgrade specific skills.

Professional Diploma

Complete the program by finishing all four modules, including a final case study.

Overview and topics

1

Principles of Sustainable HVAC Systems

Topic 1 - Sustainability impacts of HVAC

Topic 2 - Sustainable design responsibilities

Topic 3 - Building design parameters

Topic 4 - Principles of sustainability into design

2

Codes, Standards and Rating Tools

Topic 1 - National Construction Code

Topic 2 - Australian standards and guides

Topic 3 - Compliance

Topic 4 - Industry rating tools

3

Design of Sustainable HVAC Systems

Topic 1 - Design documentation

Topic 2 - Design safety and review

Topic 3 - Calculations, options analysis, and records

Topic 4 - Digital design tools and systems

4

Maximising Sustainability in Operations

Topic 1 - Sustainability and energy-efficiency

Topic 2 - Resource consumption in buildings

Topic 3 - Operational strategies

Topic 4 - Managing sustainability

Structure

- 4 modules
- 4 topics per module
- 60-80 hours of activity per module

Delivery

- Online delivery – start at any time
- Build your own course or complete the full program
- Following enrolment, you will receive login details for AIRAH's online education portal

Timeline

Students have a maximum of five months to complete each module.

Assessment

Participants must complete knowledge assessment tasks (including self-assessment questions, quizzes, short answer questions, and case studies) to demonstrate their competency. Students must obtain a pass to successfully complete each module.

Students who complete all four modules will be given a final case study project to complete and submit. Professional Diploma candidates will be given four months to complete this final project.

Program choices

The Professional Diploma in Sustainable HVAC Design and Operation has been designed so each module can be undertaken separately, as preferred. Participants are able to:

- Take individual modules to upgrade specific skills
- Successfully finish all four modules – including the final four-month case study – to complete the Professional Diploma in Sustainable HVAC Design and Operation.

Outcomes

Candidates who successfully complete all four modules and the final case study will receive the AIRAH accredited Professional Diploma in Sustainable HVAC Design and Operation program certificate.

Upon successful completion of an individual module within this program, candidates will receive a letter of completion outlining CPD hours and unit(s) completed. This will also include a statement of results.

Audience

- Graduate engineers
- Mechanical engineers
- Industry practitioners with several years' experience in the HVAC industry

Learn how to apply best practice energy-efficiency principles to your understanding and design of HVAC building services.

This program offers an advanced level of learning and skills for HVAC industry professionals. It will benefit mechanical building services engineers; ESD engineers; senior contractors who manage teams; senior technical staff within manufacturers and suppliers; sustainability consultants; building architects; and any technical service provider who needs to demonstrate competency and understanding of the role of energy-efficiency in HVAC design, development, delivery, compliance, and operation.

Why enrol?

This program and its modules can upgrade your skills and industry knowledge, assisting you with your career development. With Australia's states and territories beginning to investigate or implement mandatory engineering registration schemes, targeted continuing professional development (CPD) opportunities for building services professionals have never been more important.

AIRAH would like to thank the ARBS Foundation for its support of the creation of the AIRAH accredited Professional Diploma in Sustainable HVAC Design and Operation.



Complete this form, then email or post with payment to:

AIRAH Level 3, 1 Elizabeth St,
Melbourne Vic 3000

Phone: 03 8623 3000

Email: training@airah.org.au

Professional Diploma in Sustainable HVAC Design and Operation



Registration

Once you register and pay the course fee, within 48 hours you will be sent your username and password to access the course.

Registration fee

Module	Member	Non-member
Single module	\$1,500	\$1,700
All four modules	\$5,500	\$6,100

Module selection

Select the individual module or multiple modules by marking the boxes.

- Principles of Sustainable HVAC Systems
- Codes, Standards and Rating Tools
- Design Sustainable HVAC Systems
- Maximise Sustainability in Operations
- Professional Diploma in Sustainable HVAC Design and Operation (All modules)

Cancellation and refund policy

Registration may be cancelled up to five working days prior to commencement with participants either transferring to another course/event or receiving a refund less a 20 per cent administration fee. No refund will be given where cancellation is 24 hours or less. In all other cases of cancellation, the extent of any refund will be at the discretion of AIRAH. You may substitute another participant at any time prior to commencement should the nominated person be unable to participate. Where a non-member replaces a member the difference between member and non-member rates will be charged. Requests for refunds can be made by email to accounts@airah.org.au.

Participant details

Mr/Mrs/Ms Family name

Given name Preferred name

Title

Address

Suburb Postcode

Mobile

Email

Billing details

Company name

Address

Suburb Postcode

Phone

Email

Payment

\$ EFT Mastercard Visa Cheque

Please Note: If paying by EFT, a tax invoice with payment details will be issued. If paying by cheque, please make your cheque payable to AIRAH.

Once this form has been submitted to and received by AIRAH's education team, we will contact you to process and/or confirm your payment. Please note your enrolment in this program/course is not confirmed until this step has been completed.

Tax invoice: Upon payment, a tax receipt will be sent to you | ABN: 81 004 082 928

Disclaimer: In making this application, I fully understand that it is for enrolment to the Professional Diploma in Sustainable HVAC Design and Operation or one of its individual modules. Registration can be on a single or entire program basis. I understand that payment is required prior to me being given access to the online education portal. AIRAH is a self-accrediting nationally recognised peak industry body for HVAC&R. Go to www.airah.org.au for more information.

Note - AIRAH's online professional development training system may need to be temporarily shut down for maintenance during the training program. AIRAH will endeavour to inform all students of any downtime well in advance.

Participant's signature

Date