



## Air Conditioning and Mechanical Ventilation Systems Singapore Certified Energy Manager Professional Course: Core

### Course Summary

ACMV systems are a major energy consumer in hot humid Singapore. Energy managers need a basic knowledge of ACMV systems to run the ACMV plant and equipment. Besides meeting the objectives of providing thermal comfort to occupants and other requirements, the energy manager must have the skills to operate the plant in an energy efficient manner. This module aims to integrate knowledge of thermodynamics, heat transfer and fluid mechanics to analyse the operating conditions of the ACMV plant with the objective of energy optimization.

### Course Outcome

1. Understand the functions and components of the ACMV system
2. Analyze energy performance characteristics of ACMV systems and be able to analyze the potential energy savings in ACMV systems
3. Operate and maintain energy-efficient chilled water and air distribution systems, resulting in optimum ACMV system performance

8 - 10 May 2018

9am - 6pm

Singapore Sustainability Academy

180 Raffles Place Level 6 Sky Park, #06-10

City Square Mall Singapore 208539

# Air Conditioning and Mechanical Ventilation Systems

## Singapore Certified Energy Manager Professional Course: Core

### Program Outline

- ACMV in practise
- Air-conditioning plants and equipment
- Regulatory framework
- Designing for energy efficiency
- Sustainable practices
- Operations and maintenance

### Dr. Jahangeer K. Abdul Halim



### Speaker's Profile

Dr. Jahangeer K. Abdul Halim graduated with a Master of Science (M.Sc.) in Mechanical Engineering from National University of Singapore in 1998. He was awarded a Research Scholarship by the National University of Singapore (NUS) in 1999 to undertake a research project on solar energy and was awarded a Master of Engineering (M.Eng.) degree in 2002.

### Rates

Before Funding: \$963.00

After Funding: \$577.80

Fees are inclusive of GST

E2I funding is available to all Singaporean and PRs.

Interested participants are to register for full qualification of 4 cores & 2 electives to be eligible for funding

Optional Examination fees at \$85.60

SEAS may cancel or reschedule a course at its discretion and will use reasonable efforts to notify delegates at least 5 working days in advance. In these circumstances, delegates will be offered an alternative date, an alternative location or a full refund of course fees paid. SEAS is not responsible for airline or accommodation costs incurred by delegate in the event a course is cancelled or re-scheduled.

Substitutions (name changes) are accepted at any time prior to the event without penalty, subject to the replacement delegate satisfying any necessary course pre-requisites.

Call us at +65 6338 8578 to enquire

Email: [training@seas.org.sg](mailto:training@seas.org.sg)

### Registration Form

Yes! I would like to register for this programme

I am unable to attend but please put me on your mailing list

#### Participant's Details

1 Name (Dr/Mr/Ms/Mrs)  
Hp  
NRIC

Designation  
Email

#### Participant's Details

2 Name (Dr/Mr/Ms/Mrs)  
Hp  
NRIC

Designation  
Email

#### Billing Information

Company Name

Contact Name

Company Address

Email

Tel