

Singapore Certified Energy Manager (SCEM) Associate Level

Course Introduction

The SCEM Programme offers formal training and certification system in the area of energy management. There are 2 certifiable training levels from SCEM namely Associate and Professional levels. The Associate level SCEM training focuses on skill training and practical development in energy auditing works, installations, measurements and instrumentations. Each individual needs to undertake 4 core and 2 elective modules. The Associate Level SCEM takes 173-hours in total to complete. Sustainable Energy Association of Singapore (SEAS) and Singapore Polytechnic are registered training providers to offer the for SCEM Associate Programme.

At the end of the programme, students will be able to:

- Assist in conducting energy audit measurements and data logging
- Undertake basic efficiency evaluation of energy & utility systems
- Compare energy norms with existing energy consumption levels
- Collect and analyse measured data
- Assist in the preparation of measurements, monitoring and verification report
- Workplace safety and health management

Certification

Candidates who have completed the 6 modules and meet the necessary criteria can apply for **SCEM Certification** to the **SCEM Registry**.

Certification Criteria

Level	Criteria		
	Education	Relevant Experience	SCEM Training
Associate	Higher NITEC	3 years	Apply for SCEM certification within 5 years from the date that the applicants completed SCEM training
	Diploma	--	
	Specialist Diploma	--	

- 1. Apply management and economics in energy management**
Equivalent to SCEM (Associate) core module 'Energy Management and Economics'
- 2. Conduct preliminary energy assessment of building facilities**
Equivalent to SCEM (Associate) core module 'Energy Management & Appraisal'
- 3. Optimise energy efficient Air-conditioning and Mechanical Ventilation system**
Equivalent to SCEM (Associate) core module 'Air-conditioning and Mechanical Ventilation System'
- 4. Optimise Efficiency of Motor Driven Systems**
Equivalent to SCEM (Associate) core module 'Motor Driven Systems'
- 5. Assess Building Automation Systems in Intelligent Buildings**
Equivalent to SCEM (Associate) elective module 'Automation System and Intelligent Buildings'
- 6. Assess Building Envelope for Thermal Efficiency**
Equivalent to part of SCEM (Associate) elective module 'Building Envelope'

Target Audience

Facilities Managers
Assistant Engineers
Test Commissioning Agents
Instrumentation Engineers

Organised By



Pre-requisite Criteria

- An engineering or technical certificate, or their equivalent with at least 3 years of relevant working experience or
- A polytechnic diploma from the local polytechnics, or its equivalent; or
- A specialist diploma in relevant disciplines.

Modules Conducted By

SEAS

For enquiries, please contact SEAS training department at (65) 6338 8578 or email to training@seas.org.sg
Website: <http://www.seas.org.sg/events/training>

Singapore Polytechnic

For enquiries, please call (65) 6772 1288 or email to cec@sp.edu.sg
Website: <http://www.cet.sp.sg>