



# Certificate in Commercial Refrigeration Systems (CCRS)

## For Whom

### This course is designed for:

Individuals new to the refrigeration industry who wish to build foundational knowledge.  
Maintenance staff and technicians seeking to enhance their skills in refrigeration systems.  
Those interested in exploring a career in refrigeration and HVAC services.  
Entrepreneurs looking to gain a basic understanding of refrigeration systems for business applications.

## Course Overview

The **Certificate in Commercial Refrigeration Systems (CCRS)** is a foundational program that equips participants with essential knowledge and practical skills for the installation, operation, and maintenance of commercial refrigeration systems. This course covers key topics such as refrigeration system components, safety practices, refrigerant handling, basic troubleshooting, and system commissioning. Combining theoretical instruction with hands-on practical sessions, it ensures participants gain a comprehensive understanding of refrigeration principles and techniques while emphasizing safety, environmental compliance, and industry best practices.

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## Entry Requirement

Participants are expected to demonstrate a positive attitude toward learning technical skills and working in a hands-on environment. Basic problem-solving skills and an interest in refrigeration systems are advantageous.

### Entry Requirements:

Minimum age of 18 years.

Basic literacy and numeracy skills.

No prior experience in refrigeration is required, though basic mechanical or technical aptitude will be helpful.

## Course Content

Introduction to Commercial Refrigeration  
Workplace Safety Precautions and Tools  
Key Components of Refrigeration Systems  
Basic Maintenance and Cleaning Procedures  
Introduction to Refrigerant Handling and Charging  
Fundamentals of Electrical Systems in Refrigeration  
Basic Troubleshooting Techniques  
Installation Basics and System Commissioning

## Course Duration

Total : 32 Hours Theory: 8 hours Practical Training : 21 hours Assessment: 3 hours

## Medium of Instruction

English

## Class Size

Recommended Class Size - Classroom: 25

- Min - 10
- Max - 25

## Key Person In charge

Mr. Monish V (General Manager - Corporate Support Division)

## Teaching Methodology

Blended learning - Class Room Face to face Theory and Practical Training

## Learning Environment

An engaging and interactive classroom with Practical demonstration

## Assessment Advice

Part A:

- End-of-Module Written Examination: 100%
- The End-of-Module Written Exam is worth 100 marks. In the Written Examination, students must score a minimum of 50 marks out of 100 to pass this component.

Part B:

- Practical Assessment: Competency-based
- The Practical Assessment is competency-based and does not have a numerical mark. Students are assessed based on their practical skills and ability to perform maintenance and servicing of air-conditioning systems tasks effectively.

## Course Attendance

100%

# Certificate in Commercial Refrigeration Systems (CCRS)

## Facilitator/Learner Ratio

1:25

## Course Fee Inclusive of GST

S\$403.30

## Funding & Claims

NA

## Certification

"Based on the successful completion of the course and assessment, a certificate of achievement endorsed by Eversafe Academy Ltd., will be awarded to the trainee. E-cert available"

## Course Venue

3 Soon Lee Street, #04-14/16&17, Pioneer Junction, Singapore-627606

## Registration Venue

No. 2, Kampong Kapur Road, Little India, Near Jalan Besar, MRT Station Exit B, Singapore - 208674

No. 3, Soon Lee Street, #04-14/16 & 17, Pioneer Junction, Singapore - 627606.

No. 2, Joo Koon Road, Singapore - 628966.

No. 2, Wan Lee Road, Singapore - 627934.

## Renewal Points for professionals

NA

## Requirements to be a trainer/assessor/developer for this course

Our current Air con (CACMST) course Approved Trainers



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SOP-64-F-06 (CCRS) Course Brochure, Ver 1.00 Rev 00, 01st Mar 2024



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