

Introduction to Ventilation and Air Conditioning Systems (Commercial)

📍 York, Slough and On-site | 3 Day | [View Latest Price & Availability](#)

Course Overview:

This City & Guilds Assured course will provide some guidance and understanding of Ventilation and Air Conditioning Systems and the processes involved. It will also promote the knowledge required to carry out or manage work on these systems. There has been a significant increase in energy consumption related to ventilation and air conditioning in recent years. The government are now increasingly committed to significantly reducing carbon emissions. To meet these targets, it is particularly important to draw attention to the energy efficiency of these systems and how they can be improved.

Who Is This Course For:

It is aimed at those staff who are involved with working on or overseeing work on Ventilation and Air Conditioning Systems. The course will enable delegates to understand the operational theory of these systems, recent developments and any safety related aspects for their operation and maintenance.

Key Learning Areas:

- Introduction to basic mechanical and thermodynamic physics
- Principles of ventilation and air conditioning
- Associated regulations and guidance
- Ventilation and Air conditioning system components
- Introduction to psychrometry and use of psychrometric charts
- measuring instruments and their practical use on ventilation systems
- Balancing of air conditioning distribution systems



📍 York Campus

Our head office is conveniently based at York Business Park on the outskirts of York city centre. This well-established training centre accommodates a number of practical assessment areas for a highly interactive and participative training experience, alongside large comfortable classrooms with amenities such as complimentary WiFi, and refreshments.

📍 Slough Campus

Our Slough centres are ideally situated on the Slough Trading Estate, with central London and Heathrow both less than 20 minutes away. The Malton Avenue centre covers 15,000 square feet and boasts over 7,000 square feet of practical assessment training space. As with our York centre, we provide large comfortable classrooms with amenities such as complimentary WiFi and refreshments.

📍 Livingston Campus

5 Deer Park Avenue, part of the Fairways Business Park was established as our Scottish training centre in 2022. This easily accessible centre (just off the M8) services our connections north of the border, as well as those in the north of England. It houses 4 newly refurbished classrooms, as well as practical training facilities for F-Gas handling, Low Voltage and Mechanical and Pressure Systems

On-Site and Remote Training Options

We recognise some of the commercial restraints which surround sending multiple members of a team on to training courses. There are also the financial implications of accommodation, travel and time away from site.

Some of the key benefits of on-site training include; Reduced down time, Dates to suit your team and Cost effective team training

Some of the key benefits of remote training include; Live tutor-led courses, Cost effective delivery and Reduced down time

The Importance of Practical Training

Our practical facilities showcase industry standard installations, enabling delegates to gain hands-on experience in a variety of settings, designed to mimic those found across the healthcare estate.

By attending either of our AP or CP courses, you will gain transferable skills and knowledge to be able to carry out your duties in-line with HTM Guidance and enable you to react effectively to emergency situations, should they arise.