



## F-Gas (Category 1) | City & Guilds 2079-11

📍 York, Slough and Livingston | 5 Day | [View Latest Price & Availability](#)

### Course Overview:

This City & Guilds course will provide you with the knowledge and practical skills required to work on the installation, service, maintenance, recovery and leakage checking of stationary refrigeration, air conditioning and heat pump equipment with a charge more than 3kg or 6kg (if hermetically sealed).

### Who Is This Course For:

This is aimed at those working within the refrigeration and air-conditioning industry who need to meet the legal requirements for working with fluorinated gases, and other ozone depleting substances.

### Key Learning Areas:

- Basic systems, principles and units and how they relate to theory and thermodynamics of vapour compression cycles and refrigerants
- Causes and effects of global warming and ozone depletion
- Identification of air conditioning and heat pump components, functions and leakage risk
- Hazards and safe working practices
- Construction and examination of pipe work
- Recovery of refrigerant and oil and prepare for disposal
- Pressure testing, evacuation and record completion
- Refrigerant charging, leak checking and record keeping
- Fabrication and fitting of mechanical and brazed joints



## 📍 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.