

Mechanical to Electrical Conversion

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

Course Overview:

This City & Guilds Assured course has been developed to provide delegates with a basic knowledge of electrical theory as well as an understanding of electrical machine principles and isolation requirements of electrical plant for mechanical work.

Who Is This Course For:

This course is aimed at those working within a mechanical and electrical environment who would benefit from increased awareness of electrical principles and practices as part of their current role. It is also a good foundation course for those likely to undertake other electrical courses.

Key Learning Areas:

- Requirements of the Electricity at Work Regulations and dangers of electricity
- Electrical safe systems of work including practical isolation exercises
- Electrical circuit theory and practical use of measuring instruments
- Low Voltage protection devices
- Requirements of BS7671:2018 (2022)
- Single and three phase motors and associated starters
- Inverter drives
- Connection and verification of electric motor wiring
- Motor fault finding
- Final assessment exercise



📍 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.