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Refrigeration, Air Conditioning & Heat Pump Technician



Subject Area	Construction
Course Type	Apprenticeships
Study Level	Level 3
Delivery Mode	Part-time
Location	Workplace
Duration	1 Academic Year
Start Date	Year round enrolment
Course Code	PA000177

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Course Summary

Apprenticeships give you the opportunity to learn and train in your chosen career as well as earning a regular pay packet. You will be given first-hand experience and learn the majority of the skills needed on the job, whilst also completing off-the-job training within college by day release.

This apprenticeship will provide you with the knowledge and skills needed to carry out roles and responsibilities associated with the installation, maintenance and commissioning of refrigeration and air conditioning systems.

What You Will Learn

Typical tasks:

- Routine maintenance of refrigeration, air conditioning and heat pump systems
- Fault diagnostics

- Installing components
- Planning the layout of pipework, ducts and control panels

Knowledge:

- Legislation, Regulations and Standards
- Underpinning Principles & System fundamentals

Skills:

- Safe working practices
- Control circuit application
- Mechanical operations
- Sustainable system operation

Behaviours:

- Safety approach
- Strong work ethic
- Logical problem solver
- Focus on quality and personal responsibility

Entry Requirements

GCSE Mathematics and English at a minimum of Grade C/4 or Level 1 on the Literacy and Numeracy BKSB screening.

Progression

On completion, apprentices can look at jobs such as:

- Refrigeration Technician/Engineer
- Air Conditioning Technician/Engineering
- Heat pump Technician/Engineer
- Service Technician/Engineer

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