



## Level 3 Fire, Emergency and Security Systems Technician Apprenticeship 3 Years duration

2 day induction  
Site Based induction in Knutsford

### CORE SUBJECTS

0 – 18 months (9 classroom based training sessions at Knutsford training centre) 2/3 days every 2 months approx.

### CORE SUBJECTS

Health and Safety, Commercial Awareness , Customer service, Asbestos , Environmental Principles, ECS, Core Support, Behaviours, Hand and Power tools, Wiring, Fixings and EEP, SI units, Protection, Faults, Ohms Law, Formulae and components, Electronic Principles Electro Magnetism, Power Supplies and System Technologies

### **PATHWAY FIRE**

Understand: the relationship of fire detection and alarms to the fire industry, the principles and features for design criteria, and the methods of surveying new and existing systems. The Planning and project management for system installation, commissioning and handover. The preventative and corrective maintenance of fire detection and alarm systems, emergency systems and components.

Apply and implement system design, planning, installation, testing, commissioning and handover. Carry out preventative and corrective maintenance, diagnosis and repair faults, of fire detection and alarm and other emergency systems and components.

### **PATHWAY FIRE AND SECURITY**

Understand: the relationship of fire detection and security alarms to the fire & security industry and the requirement and implementation of security risk assessments, the principles, features, functions and operation for design criteria, and the methods of surveying new and existing systems. The Planning and project management for systems installation, commissioning and handover. The preventative and corrective maintenance of fire detection and alarm systems, emergency systems and components, Intruder and hold up alarms, Access Control, video surveillance (CCTV) and other electronic security systems and components.

Apply and implement system design, planning, installation, testing, commissioning and handover. Carry out preventative and corrective maintenance, diagnosis and repair faults, of fire detection and alarm, and other emergency systems and components, Intruder and holdup alarms, Access Control, video surveillance (CCTV) and other electronic security systems and components.

**GATEWAY**

**END POINT ASSESSMENT**

**COMPLETION**