



Apprenticeships Bradford College

APPRENTICESHIPS

Fire Emergency & Security Systems Technician Level 3

Fire, Emergency and Security Systems Technicians design, install, commission and maintain electronic systems in and outside simple and complex premises to protect individuals, homes and properties from risk and danger. Systems include fire, security and emergency systems to detect intrusion, provide surveillance, monitor and control access to buildings, properties and sites or to detect fire and emergencies.

Skills include interconnection of equipment, programming, verifying performance/fault finding and testing and maintaining. Technicians will carry out planned jobs to install new systems, modify and maintain existing systems as well as respond to call-outs to repair faulty systems where they will utilise their problem solving skills.

They will take a professional approach to customer service skills which include being presentable, tidy and respectful as they can often find themselves working in and outside customers' homes as well as in and outside business premises.

Programme Start

September.

Duration

3 years.

Entry requirements

Must achieve a minimum of Level 1 in initial assessments or already have GCSE A-C or 9-4.

Course delivery method

This course is delivered using a blended delivery model, an apprentice will spend a day per week at Bradford College undertaking classroom based learning in addition to regular workplace assessments.

Course content

The following skills, knowledge and behaviours are what will be gained from this apprenticeship.

The Fire, Emergency and Security Systems Technician will understand:

- Health and safety legislation, codes of practice and safe working practices.
- Installation and testing techniques for electrical and electronic components, equipment and control systems for fire, emergency and security systems.
- Fundamental principles and quality processes associated with industry/company codes of practices.
- Fundamental design criteria, installation, commissioning and maintenance of fire, emergency, security systems and components.

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- How to store, retrieve, manipulate, transmit or receive data/information electronically in a digital form across a range of ICT applications (e.g. personal computers, digital transmission over IP, email, mobile communication technology).
- Compliance to environmental legislation and the impact of processes and technologies associated with fire, emergency and security systems.
- Principles of high quality customer service and the needs of others.
- Different communication styles, how to communicate in a clear, articulate and appropriate manner and how to adapt communication style to suit different situations.
- Commercial risks and responsibilities.
- Operate in a safe working manner by adhering to health and safety legislation, codes of practice and applying safe working practices.
- Contribute to the application of design, planning, installation, testing, commissioning, maintenance, fault diagnosis, service and repair and electrical and electronic techniques on fire, emergency and security systems.
- Operate a range of ICT equipment and systems to store, retrieve, manipulate, transmit or receive digital data and electronic information in applications and environments applicable to the role.
- Take responsibility for own work and safety and welfare of others. Oversee and organise the programme of work and work environment. Carry out work and manage resources in an environmentally friendly manner.

Behaviours

- Develop and retain trust with customers and colleagues by undertaking responsibilities in an ethical and empathetic manner.
- Show commitment through being punctual, reliable, diligent and professional. Take responsibility for own judgements and actions to achieve quality focussed outcomes.
- Demonstrate drive and flexibility in fulfilling requirements of role.
- Take responsibility and fulfil own development and the needs of others. Keep up-to-date with best practice. Maintain continuous professional development.
- Work productively and engage with colleagues, clients, other trades, suppliers and the public.
- Take responsibility for promoting a healthy and safe working environment. Give consideration to appropriate use of resources and own actions taking into account the impact on environmental, social and economic factors.

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