



# Why complete a... Building Service Engineer Foundation Apprenticeship

A solution for your training needs and career progression

## ROLE OVERVIEW

Building Service Engineer (BSE) relates to low carbon heating, refrigeration, air conditioning and heat pump engineering and plumbing. Building service engineering work is found in domestic, industrial and commercial buildings, for example office blocks, factories, schools, and hospitals. Building service engineering makes buildings work. It is a specialist part of engineering within the construction sector. They monitor and manage the operation of plant and equipment through building and energy management systems.

### KEY POINTS

- **Level:** 2 Foundation
- **Duration:** 8 months + Apprenticeship Assessment
- **Entry requirements:** The apprentice must normally be aged 16 to 21 at the start of their apprenticeship.
- **Career progression:** Upon successful completion you may progress onto role specific apprenticeships

## KNOWLEDGE REQUIREMENTS



- Sustainability principles and practices relevant to the role, including waste disposal and the impact of BSE occupations on the environment
- Industry standards and regulations relevant to the role including fire safety and Building Safety Act and how they interact
- Use and characteristics of materials and components associated with the BSE occupations
- Basic functions of electrical and electronic control of BSE systems including electrical safety and when to engage a competent person
- Methods of protecting materials and work in progress from damage, weather and theft
- Techniques to carry out simple BSE system functioning checks

## SKILL REQUIREMENTS



- Comply with employee responsibilities under health, safety and welfare regulations
- Use and store appropriate PPE
- Follow written and verbal work instructions
- Apply techniques to carry out simple tasks associated with BSE occupations
- Protect work in progress and materials, for example, from damage, weather or theft
- Apply techniques to carry out simple BSE system checks
- Use materials and components associated with BSE occupations

## BEHAVIOUR REQUIREMENTS



- Communicate and share information using verbal, non-verbal, written and digital methods
- Act in a professional manner including good time keeping and conduct
- Apply new learning and feedback to everyday practice
- Complete own work tasks and ask for help when needed

**South Yorkshire**  
**Apprenticeship**  
**Hub**

[www.southyorkshireapprenticeships.org](http://www.southyorkshireapprenticeships.org)

[Live Vacancies](#)

**Supporting individuals and businesses  
across South Yorkshire**