

Foundation Apprenticeship for

FA0001 Building Service Engineering

v1.0

Level 2

Working in Building Service Engineering

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. Service and maintenance engineers play a key role in planning and completing a range of maintenance work. They monitor and manage the operation of plant and equipment through building and energy management systems. The broad purpose is to plan and complete a variety of maintenance activities involving industrial and commercial building service engineering systems.

Entry requirements

The apprentice must normally be age 16 to 21 at the start of their apprenticeship. Exceptions to this are set out in the Department for Education Apprenticeship funding rules.

Assessment methods

A knowledge test, a question and answer session and a portfolio of evidence.

Gateway to completion

- Minimum duration met in line with the assessment plan
- Employability skills and behaviours must be confirmed by the employer

Set for assessment

This assessment plan does not prescribe when assessment takes place. Apprentices may be assessed at appropriate points (or milestones) throughout their Foundation Apprenticeship.

Assessment methods are:

Knowledge test

- 60-minute multiple-choice test consisting of 20 questions
- Assessing AO1 knowledge statements
- Marked by Highfield Assessment

Question and Answer

- A 30-minute question and answer session
- A minimum of three questions asked
- Assessing AO1 skills statements
- Marked by Highfield Assessment

Portfolio of evidence

- Assessing AO2 and AO3 knowledge and skills statements
- Evidence may include work-based observations, expert witness testimonies, annotated photographs, evidence of ongoing professional development and reflective accounts (this list is not definitive)
- Marked by Highfield Assessment or the provider

Go further

On completion of the foundation apprenticeship, apprentices may wish to take another apprenticeship, such as low carbon heating technician, refrigerator air conditioning and heat pump engineering technician or plumbing and domestic heating technician.

Available support

- Delivery resources
- Tutor support resource
- Mock assessments
- Bespoke assessment solutions
- Assessment resources

Need to know more:

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