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**Core Skills Signposting**

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| **Sector** | Building Services Engineering |
| **Qualification Title(s)** | SVQ in Heating and Ventilating: Ductwork Installation at SCQF level 5SVQ in Heating and Ventilating: Ductwork Planning and Installation at SCQF level 6SVQ in Heating and Ventilating: Industrial and Commercial Installation at SCQF level 6SVQ in Install, Commission and Maintain Air Conditioning Systems at SCQF level 6SVQ in Install, Commission and Maintain Refrigeration Systems at SCQF level 6SVQ in Service, Maintain and Commission Building Engineering Services at SCQF level 7 |
| **Developed by** | BSE Skills Ltd |
| **Approved by ACG** | 17 June 2020 |
| **Version**  | 1 |

## Introduction

Core Skills signposting indicates if there are opportunities within units to develop Core Skills in the workplace to a specified SCQF level. The signposting document should also acknowledge where there are no opportunities to develop Core Skills. This signposting can be used by providers and assessors to plan the development and assessment of Core Skills.

The five Core Skills are:

 Communication

 Information and Communication Technology

 Numeracy

 Problem Solving

 Working with Others

**Note**

The mapping signposts the opportunities to use evidence generated against the NOS to also satisfy the Core Skills (SCQF Level 5) requirement:

* 1 is an excellent opportunity
* 2 is an opportunity
* 3 is little or no opportunity

This approach has been adopted so as to provide useful information, in the form of a starting point, for Awarding Bodies and providers.

## Core Skills Signposting

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| Qualification or Suite Title: SVQ in Heating and Ventilating: Ductwork Installation at SCQF level 5 |
| URN | Unit title | Communication | ICT | Numeracy | Problem Solving | Working with Others |
| BSEBSE01 | Apply health and safety and environmental legislation in the building services engineering sector | 1 | 1 | 3 | 3 | 2 |
| BSEBSE02 | Establish and maintain relationships in the building services engineering sector | 1 | 3 | 2 | 2 | 1 |
| BSEHV05 | Install and test industrial and commercial heating and ventilating ductwork systems | 2 | 2 | 2 | 2 | 2 |
| SUMMES07 | Prepare to carry out work | 2 | 3 | 2 | 3 | 2 |
| SUMMES08 | Identify systems, equipment and components | 2 | 3 | 2 | 2 | 2 |
| SUMMES25 | Inspect and test mechanical systems, equipment and components | 2 | 3 | 2 | 2 | 2 |

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| Qualification or Suite Title: SVQ in Heating and Ventilating: Ductwork Planning and Installation at SCQF level 6 |
| URN | Unit title | Communication | ICT | Numeracy | Problem Solving | Working with Others |
| BSEBSE01 | Apply health and safety and environmental legislation in the building services engineering sector | 1 | 1 | 3 | 3 | 2 |
| BSEBSE02 | Establish and maintain relationships in the building services engineering sector | 1 | 3 | 2 | 2 | 1 |
| BSEBSE03 | Coordinate a work site in the building services engineering sector | 1 | 2 | 2 | 1 | 1 |
| BSEBSE04 | Perform electrical work on mechanical building services systems | 2 | 3 | 1 | 2 | 2 |
| BSEHV05 | Install and test industrial and commercial heating and ventilating ductwork systems | 2 | 2 | 2 | 2 | 2 |
| BSEHV06 | Inspect and pre-commission industrial and commercial heating and ventilating systems | 2 | 2 | 2 | 2 | 2 |
| BSEHV07 | Commission industrial and commercial heating and ventilating systems | 2 | 2 | 1 | 2 | 2 |
| BSEHV08 | Decommission industrial and commercial heating and ventilating systems | 2 | 2 | 2 | 2 | 2 |

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| Qualification or Suite Title: SVQ in Heating and Ventilating: Industrial and Commercial Installation at SCQF level 6 |
| URN | Unit title | Communication | ICT | Numeracy | Problem Solving | Working with Others |
| BSEBSE01 | Apply health and safety and environmental legislation in the building services engineering sector | 1 | 1 | 3 | 3 | 2 |
| BSEBSE02 | Establish and maintain relationships in the building services engineering sector | 1 | 3 | 2 | 2 | 1 |
| BSEBSE03 | Coordinate a work site in the building services engineering sector | 1 | 2 | 2 | 1 | 1 |
| BSEBSE04 | Perform electrical work on mechanical building services systems | 2 | 3 | 1 | 2 | 2 |
| BSEHV04 | Install and test industrial and commercial heating and ventilating pipework systems | 2 | 2 | 2 | 2 | 2 |
| BSEHV06 | Inspect and pre-commission industrial and commercial heating and ventilating systems | 2 | 2 | 2 | 2 | 2 |
| BSEHV07 | Commission industrial and commercial heating and ventilating systems | 2 | 2 | 1 | 2 | 2 |
| BSEHV08 | Decommission industrial and commercial heating and ventilating systems | 2 | 2 | 2 | 2 | 2 |
| BSEHV10 | Weld industrial and commercial heating and ventilating pipework | 2 | 2 | 1 | 2 | 2 |
|  | Final Competence Assessment for Heating and Ventilating: Industrial and Commercial Installation | 2 | 2 | 1 | 1 | 2 |

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| Qualification or Suite Title: SVQ in Service, Maintain and Commission Building Engineering Services at SCQF level 7 |
| URN | Unit title | Communication | ICT | Numeracy | Problem Solving | Working with Others |
| BSEBSE01 | Apply health and safety and environmental legislation in the building services engineering sector | 1 | 1 | 3 | 3 | 2 |
| BSEBSE02 | Establish and maintain relationships in the building services engineering sector | 1 | 3 | 2 | 2 | 1 |
| BSEBSE03 | Coordinate a work site in the building services engineering sector | 1 | 2 | 2 | 1 | 1 |
| BSEBSE04 | Perform electrical work on mechanical building services systems | 2 | 3 | 1 | 2 | 2 |
| BSEHV04 | Install and test industrial and commercial heating and ventilating pipework systems | 2 | 2 | 2 | 2 | 2 |
| BSEHV06 | Inspect and pre-commission industrial and commercial heating and ventilating systems | 2 | 2 | 2 | 2 | 2 |
| BSEHV07 | Commission industrial and commercial heating and ventilating systems | 2 | 2 | 1 | 2 | 2 |
| BSEHV08 | Decommission industrial and commercial heating and ventilating systems | 2 | 2 | 2 | 2 | 2 |
| BSEHV09 | Service and maintain industrial and commercial heating and ventilating systems | 1 | 2 | 2 | 1 | 1 |
| BSERAC09 | Service and maintain air conditioning and heat pump systems | 1 | 2 | 2 | 1 | 1 |
|  | Final Competence Assessment for Service, Maintain and Commission Building Engineering Services | 2 | 2 | 1 | 1 | 2 |

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| Qualification or Suite Title: SVQ in Install, Commission and Maintain Refrigeration Systems at SCQF level 6 |
| URN | Unit title | Communication | ICT | Numeracy | Problem Solving | Working with Others |
| BSEBSE01 | Apply health and safety and environmental legislation in the building services engineering sector | 1 | 1 | 3 | 3 | 2 |
| BSEBSE02 | Establish and maintain relationships in the building services engineering sector | 1 | 3 | 2 | 2 | 1 |
| BSEBSE03 | Coordinate a work site in the building services engineering sector | 1 | 2 | 2 | 1 | 1 |
| BSEBSE04 | Perform electrical work on mechanical building services systems | 2 | 3 | 1 | 2 | 2 |
| BSERAC04 | Install refrigeration systems | 2 | 2 | 2 | 2 | 2 |
| BSERAC05 | Service and maintain refrigeration systems | 2 | 2 | 2 | 1 | 2 |
| BSERAC06 | Decommission refrigeration systems | 2 | 2 | 2 | 2 | 2 |
| BSERAC07 | Commission refrigeration systems | 2 | 2 | 1 | 2 | 2 |
|  | Final Competence Assessment for Install, Commission and Maintain Refrigeration Systems | 2 | 2 | 1 | 1 | 2 |

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| Qualification or Suite Title: SVQ in Install, Commission and Maintain Air Conditioning Systems at SCQF level 6 |
| URN | Unit title | Communication | ICT | Numeracy | Problem Solving | Working with Others |
| BSEBSE01 | Apply health and safety and environmental legislation in the building services engineering sector | 1 | 1 | 3 | 3 | 2 |
| BSEBSE02 | Establish and maintain relationships in the building services engineering sector | 1 | 3 | 2 | 2 | 1 |
| BSEBSE03 | Coordinate a work site in the building services engineering sector | 1 | 2 | 2 | 1 | 1 |
| BSEBSE04 | Perform electrical work on mechanical building services systems | 2 | 3 | 1 | 2 | 2 |
| BSERAC08 | Install air conditioning and heat pump systems | 2 | 2 | 2 | 2 | 2 |
| BSERAC09 | Service and maintain air conditioning and heat pump systems | 2 | 2 | 2 | 1 | 2 |
| BSERAC10 | Decommission air conditioning and heat pump systems | 2 | 2 | 2 | 2 | 2 |
| BSERAC11 | Commission air conditioning and heat pump systems | 2 | 2 | 1 | 2 | 2 |
|  | Final Competence Assessment for Install, Commission and Maintain Air Conditioning Systems  | 2 | 2 | 1 | 1 | 2 |