

QUALIFICATION INFORMATION SHEET



ABC Level 3 Certificate in Building Services Engineering (Mechanical)									
Purpose and Aim of Qualification	<p>This Certificate enables learners to develop a knowledge, understanding and experience of the underlying regulations, standards, industry codes of practice and principles associated with the design and installation of mechanical engineering services systems (air-conditioning and refrigeration, heating and ventilation and plumbing) for buildings and structures.</p> <p>Learners will focus on planning, design and analysis of component application in building services engineering (mechanical) systems (air-conditioning and refrigeration, heating and ventilation and plumbing). They will explore and evaluate the advantages, disadvantages and limitations of systems and their components in terms of their application and function in an identified building or structure.</p> <p>Aspects addressed within this Certificate</p> <ul style="list-style-type: none"> • Building services engineering (mechanical) including <ul style="list-style-type: none"> ○ regulations and legislation ○ systems ○ technical, scientific and design principles 								
Additional Benefits to Learners	Learners who successfully achieve this ABC Certificate could progress into craft, technician, managerial and professional training and qualifications.								
Job Role	<p>With further education and training, this qualification could help learners consider employment in the following areas</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Plumber</td> <td style="width: 50%;">Heating engineer</td> </tr> <tr> <td>Ductwork installer</td> <td>Refrigeration Engineer</td> </tr> <tr> <td>Air-conditioning Engineer</td> <td>Public Lighting Installer</td> </tr> <tr> <td>Installation Electrician</td> <td></td> </tr> </table>	Plumber	Heating engineer	Ductwork installer	Refrigeration Engineer	Air-conditioning Engineer	Public Lighting Installer	Installation Electrician	
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Ductwork installer	Refrigeration Engineer								
Air-conditioning Engineer	Public Lighting Installer								
Installation Electrician									
Rules of Combination	This is a single unit Certificate.								
Recommended GLH	120								
Assessment	The ABC Level 3 Certificate in Building Services Engineering (Mechanical) is internally assessed, internally and externally moderated.								
Age Ranges	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Pre 16</td> <td></td> </tr> <tr> <td>16 – 18</td> <td style="text-align: center;">P</td> </tr> <tr> <td>19+</td> <td style="text-align: center;">P</td> </tr> </table>	Pre 16		16 – 18	P	19+	P		
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16 – 18	P								
19+	P								
Unit Title	Building Services Engineering (Mechanical)								
Qualification Type	Vocationally – Related Qualifications (VRQ)								
Qualification Subject Area	<p>QCA Sector is Construction, Planning and Built Environment (5.2 Building and Construction)</p> <p>ABC Sector is Building and Construction</p>								
Qualification Ref No.	500/5529/X								
Marketing of the Qualification	<p>ABC will use a variety of methods including</p> <ul style="list-style-type: none"> • flyers and newsletters • published specification • network meetings / launches • Business Development Manager visits to centres 								
Notes	<p>This qualification has been accredited by QCA for accreditation for inclusion on the Qualifications and Credit Framework (QCF)</p> <p>Accreditation start date is 01/11/2008.</p> <p>This qualification is designated as specialist learning for the Construction and Built Environment 14-19 Diploma</p>								
Administering Office	Nottingham								