

General Enquiries

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BTEC HNC Building Services Engineering (Heating, Ventilation and Air Conditioning)

Location	Stockport College
Course Type	University Level
Department	Building Services
Start Date	Monday 15th September 2025
Duration	Full-time, 1 Year
Time	-
Fee	£ 0.00
Course Code	SFQ-HC4H-1100

Course Overview

The aim of this qualification is to develop students as professional, self-reflecting individuals who can meet the needs of employers in the construction sector and adapt to a constantly changing world. You will develop knowledge of construction and building services engineering linked to practical skills acquired through research, directed study, independent study and workplace scenarios.

Course Requirements

All applications will be considered individual merit, usually based on 64 UCAS points comprising either:

GCA A level

Level 3 vocational qualification in a relevant subject.

Access to Higher Education Diploma in a relevant area.

Successful applicants should have 4 GCSEs at grade C/4 or above including Maths and English.

Mature students with relevant work experience and/or professional qualifications are welcome to apply and may be invited to an interview.

What You Will Learn

On this specialist pathway, you will acquire knowledge and develop understanding of boiler installation, heating system installation, pipe sizing and maintenance of heating systems. You will learn the principles of heating, ventilation and air conditioning. Recent developments in heat pumps and recycling energy, requires students to develop a broader understanding of the environment and the implications for the sector.

Assessment

You will be assessed using a range of methods including written assignments, reports, presentations and undertake practical activity.

Progression

Students can continue their studies with us and progress to a level 5 HND Building Services Engineering (Heating, Ventilation and Air Conditioning), and following this may be eligible to complete a one year top-up degree at Level 6.

Career Options

You may enter or continue in employment, in roles such as: Heating and Ventilation Engineer, Electrician, Plumber, Building Surveyor, Building Services Engineer, Mechanical Engineer, Maintenance Engineer

Mandatory Units

You will study the following units:

Construction Technology
The Construction Environment
Mathematics for Construction
Scientific Principles for Building Services
Principles of Public Health Engineering
Construction Design Project
Digital Applications for Building Information Modelling
Principles of Heating, Ventilation & Air Conditioning

Extra Costs Involved

No.

Exam Validation Body

Pearson Education Ltd.

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Hours Per Week

6 hours for part-time course or 12 hours for full-time course.

How Long To Complete

Two years part-time with one full day attendance per week, or one year full-time with two full day attendance per week.

Programme Structure

Each unit is worth 15 credits and over the course of the programme you will gain 120 credits

Contact Details

For further information please email HEenquiries@tcg.ac.uk

Disclaimer

Although every care has been taken to ensure that the information contained within this document is accurate, there may be changes to this programme and provision. We will endeavour to keep prospective and current students updated where appropriate and when the information becomes available.