

General Enquiries

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HNC Building Services Engineering (Heating Ventilation and Air Conditioning Pathway)

Location	Stockport College
Course Type	University Level
Department	Building Services
Start Date	Monday 16th September 2024
Duration	Part-time, 1 Year
Time	08:45 - 16:15
Fee	£ 4000.00
Course Code	SPQ-HC4H-1500

Course Overview

The aim of this HNC Building Services Engineering 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, however, offers will usually be based on:

BTEC Level 3 qualification in a relevant subject.

Other related Level 3 qualifications.

Normally 4 GCSEs at grade C or above (or numeric score of 4/5 under newly reformed GCSE grading), including Maths and English.

An Access to Higher Education Diploma in a relevant area.

Related work experience may be considered in place of formal qualifications.

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, and presentations.

Progression

Students can continue their studies and progress to a level 5 HND, and following this can progress to study at degree level. Undergraduate courses include:

BSc (Hons) in Building Services Engineering

BSc (Hons) in Building Services

BSc (Hons) in Heating, Ventilation and Air Condition

Career Options

Heating and ventilation engineer, electrician, plumber, building surveyor, building services engineer, mechanical engineer, maintenance engineer.

Mandatory Units

In year 1, you will study:

Construction Technology

The Construction Environment

Mathematics for Construction

Scientific Principles for Building Services

In year 2, you will study:

Principles of Public Health Engineering

Construction Design Project (Pearson-set)

Digital Applications for Building Information Modelling

Principles of Heating, Ventilation and Air Conditioning

Extra Costs Involved

No

Exam Validation Body

Pearson Education Ltd.

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Pearson Education Ltd.

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.