

General Enquiries

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HNC Building Services Engineering (Electrical Pathway)

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-1200

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. Students will develop knowledge of construction and building services linked to practical skills acquired through research, directed study, independent study, and workplace scenarios.

Course Requirements

All applications will be considered individual merit, offers are usually based on a requirement to have:

64 UCAS points from either:

- A Level 3 qualification in a relevant subject
- GCE A Levels
- Access to Higher Education Diploma in a relevant area.

Applicants should have 4 GCSEs at grade C 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 interview

What You Will Learn

You will learn the principles of electrical installation as well as the principles of electrical theory. The advanced unit in electrical installation will involve you in detailed and in-depth study of electronics and electrical installation. Students will be shown how to apply this knowledge, for example in the use of electrical circuit components. By the end of the programme, you should be capable of carrying out checks and tests on intelligent buildings, as well as the installation of advanced components to control temperature, lighting and building entrances and exits.

Assessment

You will be assessed using a range of methods including written assignments, reports, presentations as well as practical activities.

Progression

Students can continue their studies and progress to a level 5 HND, and following this can progress to study at Level 6 top up degree, which may include:

BSc (Hons) in Building Services Engineering

BSc (Hons) in Building Services

BSc (Hons) in Electrical Engineering

Career Options

On completion students may develop their career in this sector by continuing or entering into employment in roles such as: Electrician, engineering technician, CAD technician, design engineer, network engineer, telecommunications engineer.

Mandatory Units

At Level 4 you will study:

Construction Technology

Mathematics for Construction

The Construction Environment

Scientific Principles for Building Services

Principles of Alternative Energy

Construction Design Project (Pearson-set)

Digital Applications for Building Information Modelling

Principles of Electrical Design and installation

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.