

## General Enquiries

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## HNC Engineering for England (HTQ)

Location	Stockport College
Course Type	University Level
Department	Engineering
Start Date	Monday 16th September 2024
Duration	Full-time, 35 Weeks
Time	09:00 - 17:00
Fee	£ 8000.00
Course Code	SFQ-HC4H-1800

## Course Overview

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This brand new course is designed to equip you with the skills, knowledge and understanding needed to achieve high performance in the engineering and manufacturing environment. It will give you the confidence to work across different engineering functions and to lead, manage, respond to change and tackle a range of complex engineering situations.

This pathway will provide the core skills required for a range of careers in engineering and offer a balance between employability skills and essential knowledge. The Level 4 units lay the foundation of learning by providing a broad introduction to the engineering sector as well as a focused introduction to latest advancements in engineering.

Our dedicated faculty, comprised of experienced professionals, will guide you through the latest industry trends, technological advancements, and sustainable practices. You will also develop essential skills in problem-solving, project management, and teamwork, all of which are highly valued by employers in the field. This takes place in our state-of-the art facilities.

# Course Requirements

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All applications will be considered on individual merit. However, offers will usually be based on:

1 BTEC Level 3 qualification in Engineering

2 GCE Advanced Level profile that demonstrates strong performance in a relevant subject or adequate performance in more than one GCE subject.

3 GCSE grades at A\* to C (or equivalent) and/or 9 to 4 (or equivalent) in subjects such as Mathematics and English

4 Other related Level 3 qualifications

5 Access to Higher Education Diploma from an approved further education institution

6 Relevant work experience, or an international equivalent to the above qualifications

## What You Will Learn

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You will develop understanding of the major impact that new digital and software technologies have on the engineering environment and gain insight to engineering operations and the opportunities and challenges presented by a global marketplace.

You will study a broad range of units that will be delivered via hands-on laboratory sessions, workshops, and industry-relevant projects. This is designed to enhance your practical expertise, enabling you to apply theoretical concepts to real-world scenarios.

## Assessment

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**Coursework and Assignments:** Coursework and assignments are common assessment tools. Students are given specific projects or tasks related to their coursework, and they are evaluated on their ability to apply theoretical knowledge to practical problems.

**Practical Work:** Practical laboratory sessions are a crucial part of an electrical engineering program. Students may be assessed on their ability to conduct experiments, analyse data, and draw conclusions from their findings. **Reports and Technical Writing:** Students may be required to write technical reports based on their laboratory work or projects. These reports assess their ability to communicate technical information effectively.

**Presentations:** Students may be asked to give presentations on engineering topics, projects, or case studies. This assesses their communication and presentation skills, as well as their understanding of the subject matter.

## Progression

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On successful completion you may progress to a HND at Level 5 and then to a top-up Level 6 on a related undergraduate programme such as:

BEng (Hons) Engineering  
BEng (Hons) Engineering and Computer Science  
BEng (Hons) Engineering and Computer Systems  
BEng (Hons) Engineering and Management

## Career Options

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This Higher Technical Qualification (HTQ) opens up an array of rewarding career options in various sectors. Graduates of this program are equipped with a strong foundation in engineering principles and practical skills, making them valuable assets to industries that rely on innovation, design, and problem-solving. Here are some promising career paths:

Engineering Technician  
Engineering Manufacturing Technician  
Engineering Technician (Operations)  
Integration and Test Technician  
Assistant Project Manager

## Mandatory Units

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At Level 4 you will study the following units:

Engineering Design  
Engineering Maths  
Managing a Professional Engineering Project  
Mechatronics  
Mechanical Principles  
Production Engineering for Manufacture  
Quality and Process Improvement  
Digital Principles

## Extra Costs Involved

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No

## Exam Validation Body

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Pearson Education Ltd

# Exam Validation Body

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Pearson Education Ltd

## Hours Per Week

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12 hours per week.

## How Long To Complete

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1 year.

## Programme Structure

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

## Contact Details

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For further information please email [HEenquiries@tcg.ac.uk](mailto:HEenquiries@tcg.ac.uk)

## Disclaimer

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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.