

HNC Engineering for England (HTQ)

Location	Stretford Campus
Course Type	University Level
Department	Engineering
Start Date	Monday 19th January 2026
Duration	Part-time, 1 Year
Time	-
Fee	£
Course Code	TPQ-HM4H-1500

Course Overview

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

All applications will be considered on individual merit. However, offers will usually be based on 64 UCAS points or equivalent from either:

A Level 3 vocational qualification, GCE A levels or an Access to HE Diploma in a relevant subject

GCSE English and Maths at grade C/4 or above, or equivalent Level 2 qualifications

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

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

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

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

This Higher Technical Qualification (HTQ) opens 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

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

No

Exam Validation Body

Pearson Education Ltd.

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Hours Per Week

12 hours per week full time or 6 hours per week part time

How Long To Complete

1 year full time or 2 years part time

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.