

## Mechanical Engineering HTQ Higher National Diploma

### Course Overview

This is a one-year full-time programme, culminates in the award of a Higher National Diploma (HND) in Engineering. With a career in engineering as your chosen route, this level 5 course offers students wishing to follow a Mechanical Engineering pathway, both advanced knowledge and a clear understanding of how it is applied in the industry. On successful completion of the HND, you will be eligible to enrol on the Top-up Degree (Final year of university) courses in the respective skill set. Higher Technical Qualifications (HTQ) at levels 4 and 5 are an alternative to apprenticeships or degrees. They may suit you if you want an employer-led study programme, approved by the Institute for Apprenticeships and Technical Education. HTQ's will also focus on the knowledge and skills required by industry.

### What you will learn

Over the course of this one year programme, you will study the following units: - Professional engineering management (Note: This is a Pearson-set unit) - Further mathematics, - Advanced mechanical principles - Virtual engineering - Further thermodynamics - Manufacturing systems engineering - Lean manufacturing - Thermofluids A project or suitable industry visit may also be undertaken to develop industry based knowledge and skills.

### Entry Requirements

Standard entry to this course requires a successful completion of the Level 4 qualification in a related subject area. You are expected to hold GCSE English and maths at grade 4 or equivalent. An interview is required to ascertain prior achievement.

### Course Progression

On successful completion of the HND you will be able to apply to study for a further year to obtain a full degree at university. This qualification is well-regarded throughout the industry and the academic world. Career opportunities can include managerial and technical positions in mechanical or electrical engineering sectors.

### What Happens Next

Applications to University course to top up the degree must be made through UCAS using relevant institution code. For most of our learners employment is the next step of their journey.

### Course Details

Course Code	P00266
Start Date	05/10/2026
Study Hours	Full Time
Duration	1 year
Campus	Abbey Park Campus
Level	5

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