

Mechanical Engineering HTQ Higher National Diploma

Course Overview

This is a two-year part-time programme that culminates in the award of a Higher National Diploma (HND) in Engineering. If you have chosen a career in engineering, this level 5 course offers students wanting to follow a Mechanical Engineering pathway with both advanced knowledge and a clear understanding of how it is applied in the industry. The HND in engineering course is designed to enable students who may have come through a vocational route to progress into higher education, building on the knowledge gained at level 4. On successful completion of the HND, you will be eligible to enrol on a top-up degree (Final year of university) course or enter employment. 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 will also focus on the knowledge and skills required by industry.

What you will learn

Over the course of this Two year programme, you will study the following units during your first year: - Professional Engineering Management - Further Mathematics - Advanced Mechanical Principles - Thermofluids A project or suitable industry visit may also be undertaken during the course of study to develop industry-based experience, knowledge and skills.

Over the course of this Two year programme, you will study the following units in the Second Year: - Virtual Engineering - Further Thermodynamics - Manufacturing Systems Engineering - Lean Manufacturing A project or suitable industry visit may also be undertaken during the course of study to develop industry-based experience, knowledge and skills.

Entry Requirements

Standard entry to this course requires a successful completion of the level 4 qualification in an 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 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	P00728
Start Date	21/09/2026
Study Hours	Part Time
Duration	2 years
Campus	Abbey Park Campus
Level	5

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