

Aeronautical Engineering HTQ Higher National Diploma

Course Overview

This is a two-year part-time programme, which culminates in the award of a Higher National Diploma (HTQ) in Engineering. With a career in engineering as your chosen route, this level 5 course offers students wishing to follow a aeronautical engineering pathway, both the higher level knowledge and also the understanding of how this is applied in 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 in the first year : Professional Engineering Management Note: This is a Pearson-set unit, Further Mathematics, Aircraft flight Control Systems, Aircraft propulsion Principles . A project or suitable industry trips may also be undertaken to develop industry based knowledge and skills.

Over the course of this two year programme, you will study the following units in the second year: Aircraft structural Integrity , Avionic systems, aircraft Gas Turbine Engine Design and Performance, Advanced Turbine Rotary Wing Aircraft Mechanical and flight Systems. A project or suitable industry trips 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 an related subject area, such as a HNC. 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 (HTQ) 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 Aeronautical engineering.

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	P00729
Start Date	21/09/2026
Study Hours	Part Time
Duration	2 years
Campus	Abbey Park Campus
Level	5

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