

# Higher National Diploma in Manufacturing Engineering for England

Subject Area	Engineering
Course Type	Higher Education
Study Level	Level 5
Delivery Mode	Full-time
Location	David Hockney Building
Duration	2 Academic Year
Start Date	September 2024
Course Code	PFHN065

## Course Summary

---

The Higher National Diploma in Manufacturing Engineering provides an introduction to the engineering sector as well as a focused introduction to manufacturing engineering.

You will develop a wide range of scientific and engineering knowledge linked to practical skills obtained through research, independent study, directed study and workplace scenarios.

## What You Will Learn

---

You will develop a rounded knowledge and understanding of Manufacturing Engineering principles and skills to analyse complex problems relating to Engineering.

# Modules

---

## Year 1:

- Engineering Design
- Engineering Maths
- Managing a Professional Engineering Project
- Production Engineering for Manufacture
- Computer Aided Design and Manufacture (CAD/CAM)
- Quality and Process Improvement
- Industry 4.0
- Industrial Robots

## Year 2:

- Further Mathematics
- Distributed Control Systems
- Industrial Systems
- Manufacturing Systems Engineering
- Advanced Manufacturing Technology
- Sustainability

## Entry Requirements

---

For the two-year HND programme, a BTEC Level 3 qualification in Engineering and a minimum of 80 UCAS points. GCSE Mathematics and English at Grade 4 minimum or equivalent.

**Or**

A minimum of 80 UCAS points including at least one Level 3 qualification in Maths, Physics or Computer Science. GCSE Mathematics and English at Grade 4 minimum or equivalent.

**Or**

An Access to Higher Education Certificate in an Engineering discipline awarded by an approved Further Education institution.

## Work Experience

---

Although this course does not directly offer work experience, there are opportunities for you to undertake a work placement or work experience during your time studying on this course.

## Progression

---

Successful completion of this programme can prepare you to move onto University and Higher Education study or employment in the Engineering industry.

**Disclaimer:** Our prospectus, college documents and website are simply here to offer a guide. We accept no liability for any inaccurate statements and are not responsible for any negative outcomes if you rely on an inaccurate statement. We reserve the right to withdraw any programmes or service at any time.