

Higher National Certificate in Manufacturing Engineering

Subject Area	Engineering
Course Type	Higher Education
Study Level	Level 4
Delivery Mode	Full-time
Location	David Hockney Building
Duration	1 Academic Year
Start Date	September 2024
Course Code	PFHN064

Course Summary

The Higher National Certificate in Manufacturing Engineering lays the foundation of learning by providing 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 have sound knowledge of the basic concepts of manufacturing engineering and be competent in a range of subject-specific skills as well as in general skills and qualities relevant to these key areas of engineering.

Modules

Year 1:

- Engineering Design
- Engineering Maths
- Managing a Professional Engineering Project
- Production Engineering for Manufacture
- Computer Aided Design and Manufacture (CAD/CAM)

Year 2:

- Quality and Process Improvement
- Industry 4.0
- Industrial Robots

Entry Requirements

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 the programme can lead to an HND in Manufacturing Engineering. The programme is designed to support career progression for anyone working in Engineering or for those who would like to develop their knowledge and skills and pursue a career in this field.

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