

# **BEng (Hons) Manufacturing Engineering Degree Apprenticeship**



**Manufacturing engineers work on all stages of product creation. They support activities ranging from design, early concept feasibility, prototype creation, production planning, computer assisted manufacture, production and quality monitoring. Typically they work closely with suppliers and managers in bringing new products to life and assuring economic manufacture and product quality.**

## **Course delivery features**

- block structure: two, five-day block attendances per semester
- study contextualised to the workplace
- innovative teaching and learning methods
- integrated delivery with the MIRA Technology Institute and Coventry University Advanced Manufacturing Engineering Centre

## **Cost and funding**

The funding rate payable for the delivery of this apprenticeship has been set by the government at £27,000. If you are a Levy payer, this can be paid from your Levy. If you are not a Levy paying company, there can be substantial Government funding available to you under the co-funding scheme.



## **Entry requirements**

The programme is equally suitable for new employees and existing members of staff. There is no age limit.

### **Entry at Level 4 (4 year programme):**

- 96 points from three A levels including mathematics and a Science based subject (three 'C' grades or equivalent)
- Extended Diploma or National Extended Diploma in Engineering or a related subject with a Merit, Merit, Merit profile
- Mathematics and English GCSE's at Grade C or above

### **Entry at Level 5 (32 month programme):**

- Higher National Certificate in engineering or a related subject

Apprentices with a level 3 technical qualification and 3 years' post qualification industrial experience may be admitted following an assessment of suitability by the course director.

### **Entry at Level 6 (16 month programme):**

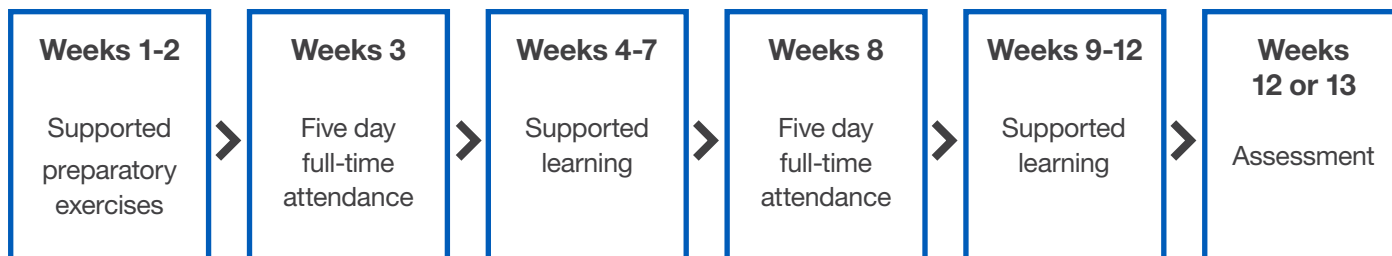
- Higher National Diploma in Engineering or related subject with a merit grade.
- Foundation Degree in Engineering or related subject, following an assessment of qualification content suitability by the course director

Applicants not formally meeting the entry requirements above may be considered on a case-by-case basis.

## Overview of modules and teaching

	Semester 1	Semester 2	Semester 3
<b>L4</b> <b>16 Months</b>	Engineering Design, Materials and Manufacture	Mathematical Modelling for Engineers	Engineering Science
	Semester 1, 2 or 3 (work context module) Engineering Operations and General Skills (work based)		
<b>L5</b> <b>16 Months</b>	Automation and Robotics and Workplace Development Plan	Digital Manufacture and Workplace Development	Design, Material and Manufacturing Integration
	Semester 1,2 or 3 (work context module) Engineering Management and Sustainability (work-based distance learning)		
<b>L6</b> <b>16 Months</b>	Lean Systems and Quality Management	Tactical and Strategic Analysis in Manufacturing Workplace	New Product Introduction and Project Management
	Semester 1, 2 or 3 (work context module) Individual Manufacturing Project (work based)		

Students may enrol at the semester start dates in either September, January or May. Typically, each module, one per semester, will be delivered in the following structure.



**For more information**

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