

Higher Apprenticeship in Manufacturing and Engineering

Sector	Engineering Manufacture (England)
Level	4
Guided Learning Hours	36 Months
Minimum age of learner	19 years

Potential Job Roles:

The apprenticeship is ideal for people who work or who want to work in a supervisory or management capacity in engineering, or who want to take their technical and professional skills and knowledge to a higher level.

Entry requirements	Level
Functional Skills Maths English ICT At least one A- Level in a relevant subject Or more than one A-Level Related work experience for mature learners	2 2 2 A* - C A*-E
Qualification and Skills	
Combined Knowledge and Competence Based Qualification	Level 4 Higher Apprenticeship in Manufacturing and Engineering - HNC (Knowledge) - NVQ (Competence)

Higher National Certificate Units all to be completed

LEVEL	CODE	UNIT TITLE
4	M/615/1476	Engineering Mathematics unit
4	T/615/1477	Engineering Science unit
4	F/615/1482	Mechanical Principles unit
4	M/615/1493	Electrical and Electronic Principles unit
4	R/615/1485	Fluid Mechanics unit
4	D/615/1487	Fundamentals of Thermodynamics and Heat Engines unit
4	A/615/1478	Project Management unit
4	K/615/1475	Engineering Design unit

NVQ Level 4 units		
QEMF4/001	Mandatory	Complying with Statutory Regulations and Organisational Safety Requirements
Learners 19 - 24	Extended L4 NVQ	Must complete 3 x QPEO Level 2 NVQ units applicable to their area of work. This could be signed off by Accredited Prior Learning (APL) if they have previously completed an EAL L2/L3 NVQ
Learners 25+	L4 NVQ	Must complete a professional discussion covering the criteria of 3 x QPEO NVQ L2 units
Remaining units (11) to be agreed and completed bespoke to company requirements. The following pathways are available;		
<ul style="list-style-type: none"> • Research • Design • Council for administration (Leadership) • Business Improvement Techniques (Quality) • Engineering & Manufacturing <ul style="list-style-type: none"> - Fabrication - Mechanical Maintenance - Mechanical Manufacture - Electrical Maintenance - Electrical Installation & Commissioning 		

Qualification Progression	L5 & L6 Higher Apprenticeships
Job role progression opportunities:	<p>While significant numbers of Higher Apprentices will seek internal progression to team leader or supervisory roles within their companies, others may decide to opt for a L5/L6 Apprenticeship Foundation degree or HND that incorporates a NVQ L4.</p> <p>More generally, most ex-apprentices aspire to a combination of internal promotion while at the same time undertaking company sponsored qualifications as specified above.</p>