

## Engineering Manufacturing Technician Apprenticeship

<b>Sector</b>	Higher Engineering Manufacturing Technician
<b>Level</b>	4
<b>Total Course length</b>	42 Months = plus 6 months for end point assessment
<b>Minimum age of learner</b>	19 years
<b>Cost / Funding</b>	£21,000 (5% £1050 age19+)

A level 4 Higher Apprenticeship involves work-based learning and vocational technical knowledge. The broad purpose of the Engineering Manufacturing Technician is to provide specialist technical support for engineers, so that organisations can develop, produce or test new/existing products, processes, or procedures to meet a customer specification in terms of quality, cost and delivery, as efficiently and effectively as possible.

Engineering Manufacturing Technicians gather information and data from a range of sources and analyse the information/data.

They will make decisions, solve problems and produce and/or update technical documentation, reports or specifications covering areas such as quality, reliability, production schedules/targets, costing or other technical documentation that informs others, either internally or externally what needs to be done such as how a product must be designed, manufactured, tested, modified, maintained, stored, transported, commissioned or decommissioned.

### How long does it take?

- Estimated 42 months.
- The first 24 months you will attend college one day a week (13:30-20:00) and undertake the HNC classroom taught knowledge sessions and undertake the KSB learning outcomes tasks as well as gathering any naturally occurring evidence.
- In the last 12 months you will attend college every 8 weeks to review the vocational portfolio progress including work-based observations. The remainder of the time will be in the workplace building a portfolio of evidence for the End Point Assessment portfolio. Evidence for the portfolio can be provided through a range of sources; e.g. performance review documentation, witness statements, training records/certificates, work products such as risk assessments, reports, meeting records, plans etc. The assessor will visit the workplace at regular intervals for the duration of the Apprenticeship.

## What will I study?

- The HNC in General Engineering (RQF) (a level 4 qualification that's equivalent to the first / second year of a degree)
- Knowledge, skills and behaviours in preparation for the end point assessment
- Apprentices without level 2 English and maths will need to achieve this level prior to taking the End-Point Assessment.

## What are the entry requirements?

- 5 GCSEs at Grade C (Grade 4/5 in the new numerical GCSE grading system) to include English and Maths
- L3 Engineering qualification or relevant equivalent experience.
- To ensure that the apprenticeship standard and pathway is appropriate for the job role, both the employer and apprentice will have a consultation with the college's Engineering Department prior to enrolment. A bespoke training plan will be created for apprentices with any prior engineering qualifications.
- You must be employed in a relevant role for a minimum of 30 hours per week and employed in a role that enables you to fulfil the criteria requirements of the end point assessment.
- You will be expected to complete an initial assessment in Maths and English to ensure you are at a suitable level to work towards this qualification

## What does the EPA consist of?

The End Point Assessment (EPA) consists of two assessment methods which must be achieved in order to award the Apprenticeship:

- **Assessment method 1:** Observation with questioning - Apprentices must be observed by an independent assessor completing work tasks in their normal workplace, in which they will demonstrate the knowledge, skills and behaviours assigned to this assessment method.
- **Assessment method 2:** Professional discussion supported by portfolio of evidence - this assessment will take the form of a professional discussion which must be appropriately structured to draw out the best of the apprentice's competence and excellence and cover the knowledge, skills and behaviours assigned to this assessment method