



University of Central Lancashire

Training 2000

INFORMATION FOR STUDENTS



Engineering Technician Mechatronics Maintenance Technician

Level 3 Apprenticeship

Mechatronics Maintenance Technicians ensure that plant and equipment perform to the required standard to facilitate production targets regarding Safety, Quality, Delivery and Cost within High Value Manufacturing environments. Typically the work would cover a broad range of activities include installation, testing, fault finding and the on-going planned maintenance of complex automated equipment. This requires the application of a complex blend of skills, knowledge and occupational behaviours across the electrical, electronic, mechanical, fluid power and control systems disciplines.

Duration:

Up to 4 years

Year 1* - full time at Training 2000

OR x6 four to six week blocks and 1 day per week to complete the Technical Certificate (if required)

Year 2 - 1 day per week to complete the Technical Certificate (if required) / assessment in the workplace

Year 3/4 - assessment in the workplace

Where will I study:

Training 2000, Blackburn

Entry requirements:

A minimum of four GCSEs at grade 4 (C) or above including English, Maths, Science and Technology is desirable. Other equivalent qualifications are acceptable

*Year 1 full time at Training 2000 could be for a minimum of 6 months to a maximum of 12 months.

Year 1 blocks could take between 12 and 18 months to complete. Full time or block training to be decided by employer.

What you'll learn

Mathematical techniques

Mathematical techniques, formula and calculations in a mechatronics maintenance environment and the type of equipment being maintained

Operating parameters

How equipment being maintained functions and operating parameters in individual components and how they interact

Planning of maintenance activities

Condition monitoring methods and equipment used and understand how the information gained supports the planning of maintenance activities

Data and documentation

Read and interpret relevant data and documentation used to maintain components, equipment and systems

Monitoring

Carry out condition monitoring of plant and equipment

Planned maintenance

Carry out planned maintenance activities on plant and equipment

Complex fault diagnosis

Carrying out complex fault diagnosis and repair activities on high technology engineered systems

Hand over of equipment

Carrying out confirmation testing and subsequent smooth hand over of equipment & plant support the installation, testing and commissioning of equipment (where applicable).

Continuous improvement

Contribute to the business by identifying possible opportunities for improving working practices, processes and/or procedures

Health & Safety

Health & Safety legislation. Recognising and controlling hazards. Correct manual handling and using mechanical aids.

Optional units depending on employers preference

Maintaining mechanical equipment

Maintaining fluid & pneumatic power equipment

Maintaining electrical & electronic equipment

Maintaining process control equipment

Fluid power and process control

How you'll be assessed?

At the end of your Apprenticeship you'll go through an end-point assessment (EPA) and be graded based on a:

1. Interview based on a portfolio of evidence

2. Professional recognition application

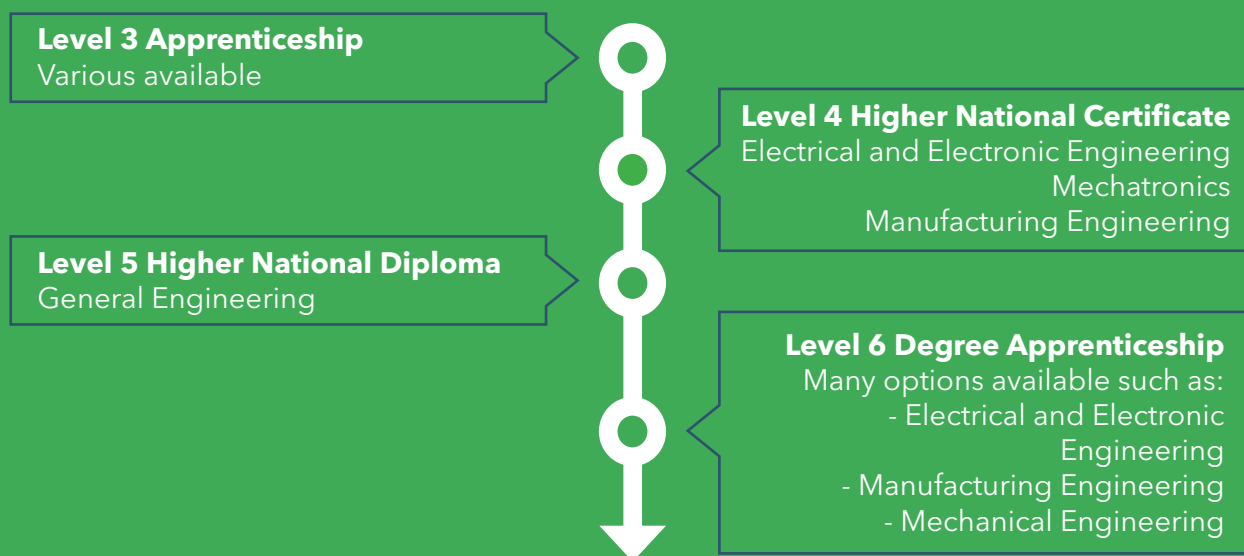
Successful completion of this Apprenticeship provides you with professional status (EngTech) which will be understood and sought after by your peers, employers, suppliers, customers and your wider professional network.

IET The Institution of
Engineering and Technology

Accredited Scheme

Your Apprenticeship career path

Below is an example career path showing how you can earn, learn and study up to Degree level with an Apprenticeship. Training 2000 are part of the University of Central Lancashire which makes it easier than ever to progress on to a Degree Apprenticeship or Degree.



An Apprenticeship in Engineering can take you in many directions from an Aerospace Engineer to Nuclear engineer. You could even go on to own your own business.

Interested? Apprenticeships start throughout the year. Apply now!

www.training2000.co.uk

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