

MECHATRONICS MAINTENANCE TECHNICIAN ENGINEERING Apprenticeship

STUDENT FACTSHEET YOUR FUTURE STARTS HERE

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.

Key Information

Level	3
Duration	Typically 45 months
Entry requirements	- 16 years or over. - Please contact our Apprenticeship team for further entry requirements.
Delivery	A minimum of 30 hours of on the job training at work place per week including a day/ block release to study theory at our Uxbridge/ Hayes/ Harrow campus
Key responsibilities	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.
Qualifications	- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) - Level 2 Award for Foundation Phase Gateway Assessment - Level 2 English and Maths After a further period of skills and technical knowledge development all apprentices will be required to achieve the following qualifications: - Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) – Mechatronics Maintenance Technician Plus one of the following - Level 3 Diploma in Engineering Technology (QCF) - Level 3 Extended Diploma in Engineering Technologies (QCF) - Level 3 Diploma or Extended Diploma in Advanced Manufacturing Engineering (Development Knowledge)
Professional Recognition	Completion of the Apprenticeship is designed to be recognised by relevant Professional Engineering Institutions at the appropriate level of professional registration (EngTech).

Choose a Trusted Provider



We are a top provider in London with consistently high success rates



We are the largest college group providers of apprenticeships in west London



We work with major companies including British Airways, Brunel University London & Menzies etc.



Most of our apprentices secure employment at the end of their apprenticeship

Discounted travel with an Apprentice Oyster card

Discounts on shopping with an NUS Apprentice Extra Card

Employers involved in creating this standard:

BAE Systems plc, Semta Limited, Airbus Group, The Institution of Engineering and Technology, Gama Aviation Ltd, Harrods Aviation Ltd, British Airways, Marshall Aerospace and Defence Group, UTC Aerospace Systems, Resource Group, MBDA (UK) Ltd, GTA England Ltd, Rolls-Royce plc, NFEC Ltd, GKN Aerospace, Royal Aeronautical Society, Royal Air Force Cosford, Royal Navy, Cooper & Turner, Nikken Kosakusho Europe Ltd, Edward Pryor & Son Ltd, Newburgh Precision, Institution of Mechanical Engineers, Siemens plc, Jaguar Land Rover, Toyota Motor Manufacturing (UK) Ltd, BMW, The Engineering Employer Federation, Leonardo Helicopters UK, Babcock International Group, Mersey Maritime Group.

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Apprenticeships & Skills
Harrow, Richmond & Uxbridge Colleges

Sample Modules and Content

Specific Specialist Knowledge

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

understand mechanical, electrical, electronic, fluid power and process control principles in a mechatronics maintenance environment

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

Specific Specialist Skills

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

carry out condition monitoring of plant and equipment

carry out planned maintenance activities on plant and equipment

carrying out complex fault diagnosis and repair activities on high technology engineered systems such as:

- Maintaining mechanical equipment
- Maintaining fluid & pneumatic power equipment
- Maintaining electrical & electronic equipment
- Maintaining process control equipment

Frequently Asked Questions

What is new apprenticeship standard?

Apprenticeships in England are changing. Because of government reforms, a new style of apprenticeships has been designed to meet the needs of employers, learners and providers.

How will I be assessed?

You will be assessed continually in knowledge, skills and behaviour areas at work. Towards the end of the apprenticeship, employers and providers will 'sign-off' the apprentice as ready for the end-point assessment (EPA).

Signing-off an apprentice indicates the employer and providers believe their knowledge, skills and behaviours are the level required to gain an apprenticeship. This sign-off is called the 'gateway'.

An end-point assessment (EPA) is a collection of assessments that offers confirmation of knowledge, skills and behaviours for a particular role. The EPA must be achieved before an apprenticeship certificate can be issued. The assessment organisation and the assessor must be independent of, and separate from the training provided by the provider and employer.

Do I already need to have a job to start an apprenticeship?

You should be working a minimum of 30 hours per week in a job. If you are unemployed, view our vacancies to apply for a job:

www.hruc.ac.uk/apprenticeships

Can I start an apprenticeship after Year 11?

Yes, you can! Young people in England must stay in education or training until they turn 18. If you're looking for a different option after Year 11, an apprenticeship could be the answer for you!

How much does an apprenticeship cost?

There is no cost for you to do an apprenticeship if you are 16 years old or over and you will be paid a wage.

View our vacancies to apply

www.hruc.ac.uk/apprenticeships



Already working? Upskill!

Turn your job into an apprenticeship. Call us on **01895 853622 / 0208 909 6328** to get you started.