

General Overview

- ✓ Typical on-programme learning: 42 months
- ✓ EPA duration: 6 months
- ✓ Maximum funding: £27,000
- ✓ Level 3



This occupation is found in the aerospace, aviation, automotive, defence, logistics, pharmaceutical, energy, food and drink, and wider advanced manufacturing and engineering sectors which utilise automated equipment with integrated systems and interfaces, where the equipment contains a blend of technologies such as mechanical, electrical, electronic and control, and fluid power.

The broad purpose of the occupation is to ensure that plant and equipment perform to the required standard to facilitate targets regarding safety, quality, delivery, availability and cost within the aerospace, aviation, automotive, logistics, defence and wider advanced manufacturing and engineering sectors. Multi-skilled mechatronics maintenance technicians carry out a broad range of activities which may include installation, testing, fault finding, rectification, modifications and the on-going planned maintenance of complex automated equipment.

This requires the application of a blend of skills, knowledge and occupational behaviours across the electrical, electronic, mechanical, fluid power and control systems disciplines. They prepare for the maintenance activity and inform stakeholders of work status.

They also complete documentation, handover work, set up their work area and are required to be competent in safe engineering practices for their own safety and those around them. They may be required to work shifts, to work at height and in confined spaces, as well as dealing with equipment which may contain high voltages, high pressures, ionising radiation and other hazards.

In their daily work, an employee in this occupation interacts with a wide range of potential stake holders and others such as other technicians, engineering leaders, production operators, production leaders, business managers, customers, contractors, external agencies and members of the public. They may work in a range of environments including factories, hangers and workshops, as well as outside.

Entry Requirements

Individual employers will set selection criteria. This might include GCSEs, other relevant qualifications, relevant experience and/or an aptitude test.

On-Programme Competence Evaluation

The apprentice will complete on and off-the-job training, developing their knowledge, skills and behaviours as stipulated within the apprenticeship standard.

Gateway Requirements

The employer, supported by the training provider must confirm that the apprentice is ready for EPA, before the EPA process can begin.

The employer, supported by the training provider must sign a declaration to agree the apprentice has met the required criteria as set out in the Mechatronics Maintenance Technician standard.

The apprentice must have achieved English and mathematics qualifications in line with the apprenticeship funding rules.

The apprentice must also pass one of the of the following mandated qualifications:

- Level 3 Diploma in Advanced Manufacturing Engineering (Development Knowledge) or
- Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)

For the interview underpinned by a portfolio of evidence, the apprentice must submit a portfolio of evidence.

As part of the SIAS EPA service, we will check that all gateway evidence has been met before we begin the process of EPA.

End Point Assessment (EPA)

The assessment plan defines the following methods of assessment for the Mechatronics Maintenance Technician standard;

1

Observation with Questions

The observation will relate to the job role the apprentice is working towards
Questioning will consist of a minimum of 4 questions
Overall duration: 3 hours.

2

Interview underpinned by a Portfolio of Evidence

The interview will be conducted by an End-Point Assessor and will be structured to give the apprentice the opportunity to demonstrate the KSBs mapped to this assessment method. The portfolio must have sufficient content to demonstrate the apprentices' application of the specific knowledge, skills, and behaviours of the job role.

Questioning will consist of a minimum of 8 questions.
Duration: 1 hour.



Assessment Marking & Grading

The SIAS End Point Assessor will combine the results of each individual assessment method and provide an overall assessment grade of Fail, Pass, or Distinction.



Apprenticeship Certification

Results for each individual assessment method will be available within 15 working days from the assessment date.
Your apprentice will receive a Certificate of Apprenticeship on successful completion of all individual assessment methods.



Guidance & Support

SIAS provide a range of resources which offer EPA guidance and support for the apprentice, the employer, and the college/training provider.

We aim to help employers and colleges/training providers to support the on-going competence evaluation of the apprentices' knowledge, skills, and behaviour to ensure that your apprentice is confident for their EPA. All of our resources are comprehensively mapped to this apprenticeship standard.