

ST0950 | Healthcare Engineering Specialist Technician

SIAS

General Overview

- ✓ TYPICAL ON-PROGRAMME LEARNING: 48 MONTHS
- ✓ EPA DURATION: 3 MONTHS
- ✓ MAXIMUM FUNDING: £24,000
- ✓ LEVEL 3



This is a core and options apprenticeship standard. Apprentices must be trained and assessed against the core and one option. There are two options:

- ⊖ Option 1: Healthcare medical devices technician
- ⊖ Option 2: Healthcare estates technician

Healthcare Engineering Specialist Technicians work in sites where healthcare engineering takes place. This includes hospitals, dental hospitals and practices, clinics, prisons, ambulance trusts, care centres, health centres, hospices, GP practices, and mental health hospitals and secure units.

Healthcare medical devices technicians work on medical devices. Healthcare estates technician work on plant, building services and systems. Most technicians work across a wide range of healthcare devices or healthcare estates.

They work in clinical settings and often have contact with patients. They may complete work where patients are present or where the medical device is connected to the patient. They witness patients in various stages of their illness or recovery.

The broad purpose of the occupation is to ensure patient safety and service continuity for specialist healthcare medical devices or healthcare estates in a clinical setting. They conduct planned maintenance to prevent issues occurring and reactive maintenance. Other duties include acceptance testing, installation, decommissioning, and safety tests and checks. Conducting handovers is an important part of the role. This requires explaining complex technical information and regulatory advice on healthcare devices or healthcare estates to clinical staff. Completing documentation and reports, and keeping stakeholders informed of their work status is also part of their role. As part of a team, they contribute to continuous improvement. They may support and coach others.

Healthcare medical devices technicians also conduct healthcare device audits, test, and calibrate equipment. Whereas healthcare estates technicians also manufacture parts, spares and components, and conduct site surveys.

Employers may require a Disclosure and Baring Service (DBS) certification, occupational health screening and colour blindness tests.

Entry Requirements

Typically, GCSE grade B/5 or above in mathematics, plus four other GCSE subjects at grade C/4 or above, one being a science-based subject.

On-Programme Competence Evaluation

The apprentice will complete on and off-the-job training, developing their knowledge, skills & 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 Healthcare Engineering Specialist Technician standard.

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 Healthcare Engineering Specialist Technician standard.

1

Observation with Questions

- The observation with questions involves the End Point Assessor observing and questioning the apprentice undertaking work as part of their normal duties, in the workplace.
- The End Point Assessor must ask a minimum of 10 open questions, both during or after work completion.
- Duration: 3 hours.

2

Interview underpinned by a Portfolio of Evidence

- An interview consists of an independent assessor asking an apprentice a series of questions to assess their competence against the KSBs.
- The interview will have a minimum of 9 open questions – one per topic.
- Duration: 90 minutes.

3

Multiple-Choice Test

- 40 multiple-choice questions.
- Duration: 60 minutes.



Assessment Marking & Grading

Results for each individual assessment method will be available within 15 working days from the assessment date.

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



Apprenticeship Certification

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.