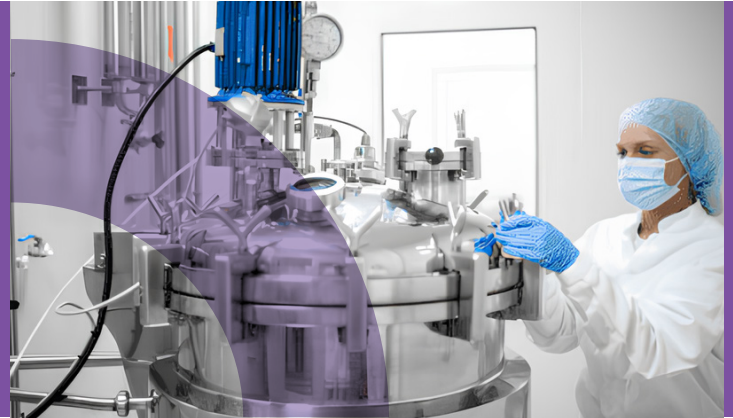


**General Overview**

- ✓ Typical on-programme learning: 36 months
- ✓ EPA duration: 3 months
- ✓ Maximum funding: £24,000
- ✓ Level 3



Process industry technicians are found in process manufacturing industries.

They run processes involving high hazard inputs to produce products that meet specifications. This may include chemical-based products, stabilised crude, ethane, butane, methane, and hydrogen. The working environment is highly controlled due to the use of high hazard chemicals. Technicians must follow high-level safety systems. Typically, production is on a large scale using a continuous process. This usually means operations are 24 hours per day, seven days per week. Technicians may be required to work shifts.

Technicians run and maintain the process or processes in line with operational parameters. They conduct quality assurance, resolving or escalating any issues, and complete records. Maintaining workplace safety by following health, safety and environmental risk and management systems is a vital part of the role. Preparing equipment for maintenance and bringing equipment back on line is also part of the role. They also support risk assessment, improvement activities, and audits.

They must ensure that the process and products meet quality specifications and are produced to schedule. They must work to external manufacturing regulations to protect the process, product, plant and equipment, company employees, and the environment. They must also consider sustainability. They may need to wear specialist PPE to protect the product or themselves. This may include, safety glasses, chemical resistant gloves, suits, and footwear, and breathing apparatus. They may work alone or part of a team. They work with minimal supervision, taking responsibility for the quality and accuracy of their work.

## Entry Requirements

Employers will set their own entry requirements. Typically, they require applicants to have GCSE science grade C or 4. An employer may require applicants to have a health screening to ensure suitability for working in some work environments.

## 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 Process Industry Manufacturing 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 Process Industry Manufacturing Technician standard.

1

Observation  
with  
Questions

- The purpose of the Observation is to validate the apprentices' competence by observing them carrying out their job role in a normal working environment under normal conditions.
- The purpose of the questioning is to assess underpinning knowledge and behaviours with a minimum of 5 questions. To remain as unobtrusive as possible, the end-point assessor will ask questions during natural stops between tasks and after completion of work rather than disrupting the apprentice's flow.
- Duration: 3 hours.

2

Interview  
Underpinned by  
a Portfolio of  
Evidence

- The purpose of this assessment is it allows the apprentice to be assessed against KSBs which may not naturally occur during the observation.
- It is supported by a portfolio of evidence, enabling the apprentice to demonstrate the application of skills and behaviours as well as knowledge.
- A minimum of 8 questions.
- Duration 1 hour.

3

Multiple-Choice  
Test

- The purpose of this assessment is it allows for the efficient testing of knowledge where there is a right or wrong answer.
- 40 multiple-choice questions
- Duration: 1 hour.



## 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 behaviours to ensure that your apprentice is confident for their EPA. All of our resources are comprehensively mapped to this apprenticeship standard.