

General Overview

- ✓ Typical on-programme learning: 36 months
- ✓ EPA duration: 3 months
- ✓ Maximum funding: £21,000
- ✓ Level 5



This occupation is found in a wide range of employers. The employers will typically operate in chemical, pharmaceutical, biotechnology, formulated products or analytical services.

The broad purpose of the occupation is to carry out established laboratory-based investigations and scientific experimentation using bench and instrumentation techniques. A technician scientist will apply a range of skills and follow well established principles associated with their organisation's science and technology. They carry out routine lines of enquiry, development or investigation. They collect scientific information and analyse, interpret and evaluate data. They prepare results and provide progress updates of their work.

In their daily work, an employee in this occupation interacts with a wider scientific team, which may include laboratory scientists and laboratory technicians. They communicate information, arguments and analysis in a variety of forms to specialist and non-specialist audiences.

Entry Requirements

There are no statutory, regulatory or other typical entry requirements.

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 Technician Scientist 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 Technician Scientist standard.

1

Project Presentation and Questions

- A project involves the apprentice completing a significant and defined piece of work that has a real business application and benefit. The project must start after the apprentice has gone through the gateway.
- This assessment method includes two components:
 - A project with a project report - apprentices must complete and submit a project in the form of a report. The report must include an evaluation report of a laboratory-based investigation and scientific experiment the apprentice has carried out post gateway. The report has a maximum word count of 3,000 words.
 - Presentation with questioning - must last 75 minutes. This will typically include a presentation for 30 minutes and questioning lasting 45 minutes. The End Point Assessor must ask at least 8 questions.

2

Professional discussion underpinned by a Portfolio of Evidence

- In the discussion, the End Point Assessor and apprentice have a formal two-way conversation.
- The End Point Assessor must ask a minimum of 4 questions (1 question per theme).
- Duration: 105 minutes.



Assessment Marking & Grading & Results

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 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.