

## General Overview

- ✓ Typical on-programme learning: 30 months
- ✓ EPA duration: 3 months
- ✓ Maximum funding: £18,000
- ✓ Level 7



This occupation is found in a wide range of industries including Pharmaceutical, Clinical Trials, Personal Care, Analytical, Manufacturing, Water/Environmental, Energy, Agricultural, Food Science, FMCG, Petro-Chemical, Nuclear, Aerospace, Oil, Gas, Materials, Renewable, Bio medical, NHS, Diagnostics and MOD/Defence.

A Research Scientist is someone who is primarily involved in planning, leading and conducting experiments and analysing results, either with a definite end use, for example to develop new products, processes or commercial applications, or to broaden scientific understanding in general. They provide scientific and technical leadership, giving a clear sense of purpose and driving strategic intent. They can expect to lead on business-critical projects - managing the design and implementation of such projects both internally and externally, disseminating findings to internal and external stakeholders and making strategic recommendations based upon the findings of the project. They take into account new scientific methods and breakthroughs, identifying longer-term opportunities and risks. They will be able to effectively collaborate with both industry and academia, working in multidisciplinary teams, to apply results of research and develop new techniques, products or practices. They are responsible for developing ethical, innovative research practices and programmes with the ability to deliver results. They are a role model, with responsibility for those in senior positions and significant organisational budgets.

In their daily work, an employee in this occupation interacts with a wide range of individuals and teams. This is due to the varied work and leadership roles that the individual undertakes through their work.

They will be responsible for managing different streams of work and leading on/designing and carrying out trials of process and procedures and translation of science to action. Alongside also designing, developing, implementing and evaluating these business changes.

## 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 Research 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 Research Scientist standard.

## 1

### Project Report, Presentation and Questioning

- Apprentices must produce a project report during the EPA period, which will be the basis of a presentation to the End Point Assessor. The project report must be based on a real research project carried out in the employer's workplace as part of the apprentice's day to day activities.
- The project report must be 4,000 to 4,400 words.
- The presentation will be based on the project report and will be followed by the End Point Assessor asking a minimum of 12 questions.
- Duration: The presentation will last for 30 minutes and the questioning 30 minutes.

## 2

### Professional Discussion underpinned by a Portfolio of Evidence

- A research scientist will be expected to be able to discuss their findings and results of research in a formal setting with confidence and be able to explain in detail their results. The professional discussion covers the KSBs that are not likely to naturally occur during the project and these KSBs are best evidenced in a professional discussion underpinned by a portfolio which allows the apprentice to demonstrate competence using real-life examples.
- The End Point Assessor must ask a minimum of 8 questions.
- Duration: 60 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 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.