


Ofsted
Outstanding
Provider

LEVEL 3

SCIENCE MANUFACTURING TECHNICIAN STANDARD




csrgroup
scientific training

EDUCATE, INSPIRE, ACHIEVE, EVOLVE

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We have been delivering quality apprenticeship programmes for over 10 years and our vision is to bring education and industry together for a brighter, safer world and to inspire the next generation of scientists.

We map our technical inputs to industry requirements and provide the highest quality of education possible to all our learners, supporting and enabling all of them to achieve their maximum potential. We are proud of our success rates which are above national average.

We employ experts in their field to deliver our scientific training, all of our vocational skills coaches and lecturers have industrial experience and excellent teaching credentials.

We also have in-house experience of helping our customers to set up and run exemplary, award winning apprenticeship programmes.

WHO WE ARE

We are the country's leading dedicated scientific training provider and are proud to work with some of the most innovative scientific organisations in the UK.

CSR has been delivering quality laboratory based scientific Apprenticeships since it was founded in 2006.

We are listed on the APAR (Apprenticeship Provider and Assessment Register), regulated by Skills England and monitored by Ofsted.

Some of our customers include:

- The National Physical Laboratory
- The University of Oxford
- The University of Cambridge
- Thermo Fisher Scientific
- BP
- P&G
- Labcorp
- NHS

“CSR lecturers are a massive help. If I have any problems they try their hardest to find a solution”

Kane Murrell, Apprentice Nanofabrication Technician
at Cranfield University

ABOUT THE LEVEL 3 SCIENCE MANUFACTURING TECHNICIAN APPRENTICESHIP

Science Manufacturing Technicians work in a wide range of organisations, including primary and secondary pharmaceutical, testing, biotechnology, formulated products and nuclear manufacturing.

Apprentices must be in employment for the duration of the apprenticeship. The apprentice must have access to work which provides them with the opportunities to develop, practice and evidence the knowledge and skills to meet the standard, dependent on the pathway taken which is either Biomedical or Aseptic

A Science Manufacturing Technician apprentice will learn:

- To work safely in a science manufacturing environment and to follow quality procedures.
- Regulatory requirements of the industry and sector.
- Technical skills to fulfill their role.
- How to work independently and in a team in line with SOPs.
- To control and monitor a process plant and equipment.
- To work safely, understanding health and safety, risk and environmental management systems.
- Carrying out maintenance
- Problem solving and data interpretation

Apprentices could complete a level 3 qualification which is recognised for professional registration as RSciTech

Entry requirements:

Demonstrating a passion for Science and an interest in manufacturing is key. Typically, 5 GCSE's at grade C/4 or above in Maths, English and Science is desirable

Support for the Employer

If an employer is using their levy funds to train a new Science Manufacturing Technician, we can help with the recruitment process. We can assist with advertising, sifting and shortlisting candidates, with online or face to face interview panel support available on request.

We deliver “Apprentice Ready” training to all line managers, mentors & HR support involved with the apprentice to ensure we are all working together to achieve the best apprenticeship experience.

Support for the Apprentice

Apprentices will be supported by a lecturer, Vocational Skills Coach and dedicated Safeguarding Team.

Our programme support arrangements ensure that short, medium and long term objectives are monitored through a review process involving the learner, Vocational Skills Coach and Employer.

We encourage the apprentices to become STEM ambassadors and invite them to attend Outreach events to inspire the next generation of scientific apprentices. We also offer enrichment days at various science venues across the UK.

Delivery is via supported distance learning online, with visits to Birmingham for the practical elements of the course and to sit exams.



DELIVERY OF THE APPRENTICESHIP

We work with the employer to develop a training plan that best suits your organisation. We offer blended teaching and assessment in the work place with dedicated professional support to help the apprentice build their competence, confidence and skills.



OFF-THE-JOB TRAINING

Apprentices must have off-the-job training which is evidenced and recorded. There are a number of ways the requirements for OJT can be met:

- Day release for knowledge qualification
- Recording CPD activities
- Research and study period during working hours

DURATION OF THE APPRENTICESHIP

Typically it will take 21 months to complete with an additional 3 months for end point assessment preparation.

CSR's Safeguarding team will monitor the welfare and safety of our learners throughout their programme. We also offer careers advice and guidance when they come to the end of their apprenticeship.

Gateway

The apprentice will be put in a Gateway to Completion before going through their Apprenticeship Assessment (EPA).

The Gateway consists of:

- Achievement of a knowledge qualification e.g. BTEC Level 3 Foundation Diploma in Applied Science (if applicable)
- Completion of Vocational Competence Evaluation Log
- Employer and CSR agree the Apprentice is ready for their Apprenticeship Assessment which CSR will help to organise

Opportunity to Progress

Organisations that have successful apprentices at Level 3 could use their levy funds to progress their employee onto a Level 5 or Level 6 (Degree) qualification.



PROFESSIONAL BODIES

The Royal Society of Chemistry, the Royal Society of Biology, the Institute of Physics and the Science Council are part of the Trailblazer development Group. The Level 3 Science Manufacturing Technician Standard is recognised by the relevant professional bodies at Registered Science Technician (RSciTech) level.

FUNDING

If an employer pays the apprentice levy, they can fund Science Manufacturing Technician apprentices through their DAS account. A maximum funding band of £22k has been set for this standard.

CELEBRATING SUCCESS

We love to celebrate the success of our learners and organise annual graduation ceremonies for those that have successfully completed their programmes. We also help the employer nominate those that go above and beyond for The National Apprenticeship Awards and BTEC Apprentice of the Year.

“NPL’s science apprentice programme makes me very proud. It is helping to ensure a healthy and diverse pipeline for our future”

The National Physical Laboratory’s CEO, Peter Thompson



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