



Level 5 Technician Scientist Standard

Our core values:

Educate, Inspire, Achieve

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 exemplar, 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 Group has been delivering quality laboratory based scientific Apprenticeships since it was founded in 2006. We are listed on the RoATP (Register of Apprenticeship Training Providers), regulated by the Institute for Apprenticeships and Technical Education and monitored by Ofsted.

Some of our customers include:

- ▶ The National Physical Laboratory
- ▶ The University of Oxford
- ▶ The University of Cambridge
- ▶ The NHS
- ▶ LGC
- ▶ Thames Water
- ▶ Abcam
- ▶ The Binding Site

'CSR provides high-quality teaching tailored to students' needs. I have always felt hugely supported with understanding content, with a personal learning experience which compliments my experience in the workplace.'

Megan Garrod, Laboratory Technician Apprentice at LGC

About the Level 5 Technician Scientist Apprenticeship

A Technician Scientist carries out established laboratory based investigations and basic scientific experimentation using bench and instrumentation techniques. They work in wide range of organisations, including chemical, pharmaceutical, biotechnology, formulated products or analytical services.

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 knowledge and skills to meet the Standard.

A technician scientist will learn:

- ▶ To perform laboratory-based investigations using a range of scientific techniques and methods.
- ▶ To apply basic principles and procedures of project management to their own investigations.
- ▶ Regulatory requirements of the industry and lab.
- ▶ To analyse relevant scientific information, interpret and evaluate data.
- ▶ To communicate scientific information effectively.
- ▶ To find solutions to routine and non-routine problems using a range of problem solving techniques.

Apprentices will complete a Level 5 science qualification which is recognised for professional registration as Registered Scientist (RSci)

Example qualifications are:

- ▶ BTEC Level 5 HND in Applied Science (Chemistry or Biology pathway)

Entry requirements

Demonstrating a passion for Science is key. Typically, 5 GCSE's at grade C/4 or above including English, Maths and a science subject and hold a relevant level qualification e.g. A-levels or BTEC L3

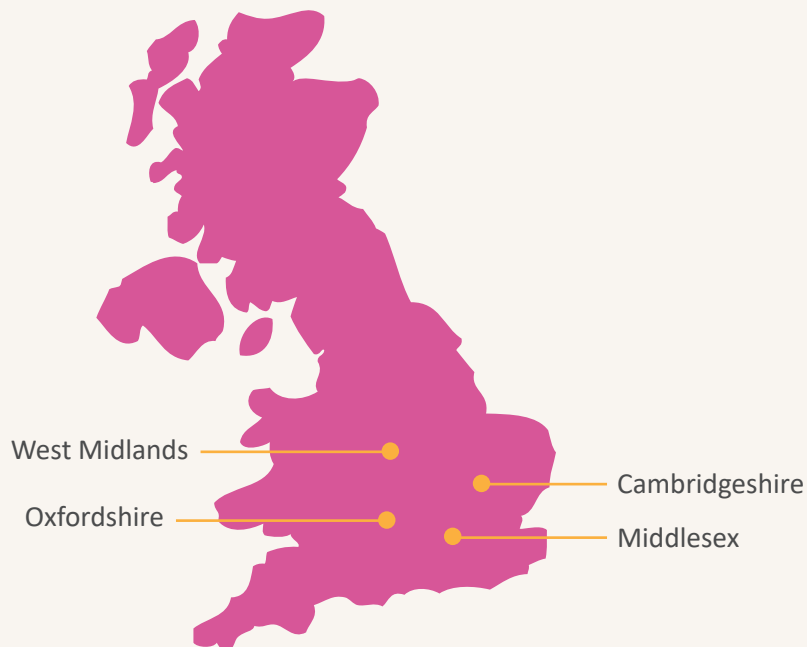


Delivery of the Apprenticeship

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.

A number of delivery options are available:

- ▶ Supported distance learning online with visits to a regional training centre for the practical elements of the course.
- ▶ We can deliver training on your site if the cohort size is 8 +.
- ▶ Face-to-face delivery at one of our regional training centres in:



Support for the Employer

If you are using your levy funds to train a new technician scientist, we can help with your recruitment process. We can advertise, sift, shortlist and interview if you require that support.

We deliver “Apprentice Ready” training to all line managers & HR and anyone else involved to help guarantee we are all working together to ensure the learner is receiving the best apprenticeship experience.

Support for the Apprentice

Apprentices will be supported by a qualified Lecturer, Vocational Skills Coach and dedicated Safeguarding lead.

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

We encourage the apprentices to become STEM Ambassadors and invite them to attend Outreach events to attract the next generation to take on scientific apprenticeships. We also offer enrichment days are offered at various science venues across the UK.





Off-the-Job Training

All apprentices must have 20% off-the-job training which must be 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

3
YEARS

Duration of Apprenticeship

Typically it will take 33 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 before going through End Point Assessment (EPA). The Gateway consists of:

- ▶ Achievement of a knowledge qualification. e.g. BTEC Level 5 HND in Applied Science.
- ▶ Completion of Vocational Competence Evaluation Log.
- ▶ Employer and CSR agree the Apprentice is ready for End Point Assessment which CSR will help to organise.

Opportunity to Progress

Organisations that have successful Apprentices at Level 5 could use their levy funds to progress their employee onto a Level 6 (Degree) Laboratory Scientist.

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 5 Technician Scientist Standard is recognised by the relevant professional bodies at Registered Science Technician (RSci) level.

Funding

If you have an employer who pays the apprentice levy, you can fund your laboratory technician apprentices through your DAS account. A funding band maximum of £20k has been set for this standard and Levy paying employers have access to this funding to support the delivery of the apprenticeship.

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.

“The L5 apprenticeship in analytical science has widened my knowledge in many chemical processes and has seen me grow and gain 2 promotions within the time that I’ve been completing my studies.”

Lauren Williams, Principal Laboratory Technician, Recipharm



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We're **Good** with
Outstanding features

