

LEVEL 5

TECHNICIAN SCIENTIST STANDARD BUSINESS ACCELERATOR



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 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 Scientist 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.

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.



ENHANCED PROGRAMME LABORATORY BUSINESS ACCELERATOR

Science expertise. Business Impact.

DEVELOPING LABORATORY PROFESSIONALS

Built around the Level 5 Technician Scientist Apprenticeship, the Laboratory Business Accelerator Programme combines advanced technical competence with practical business improvement skills.

It enables laboratory professionals to make a measurable contribution to both scientific excellence and commercial success, helping employers improve productivity, quality, capacity and customer value.

**LEVEL 5 TECHNICIAN SCIENTIST
+ BUSINESS IMPROVEMENT SKILLS**

SPECIALIST PROGRAMMES INCLUDED

Six Sigma Green Belt - Lean Continuous Improvement
Money & Metrics for Laboratory Businesses
Marketing & Sales for Scientific Organisations
Operations & Process Improvement



TURNING SCIENTIFIC CAPABILITY INTO BUSINESS VALUE

A workplace-based improvement project connects learning directly to measurable organisational priorities.

Workplace Improvement project

Throughout the programme, each learner delivers a workplace improvement project focused on generating measurable business value.

Designed for science-based SME's

The programme is designed for small and medium-sized organisations that need technically capable staff who can also understand operational and commercial priorities.

PROJECTS MAY INCLUDE

- Improving laboratory productivity
- Reducing waste and avoidable cost
- Optimising workflows and turnaround times
- Increasing capacity and resource utilisation
- Enhancing quality and right-first-time performance
- Improving customer experience
- Delivering demonstrable cost savings



RELEVANT SECTORS

- Life sciences and biotechnology
- Pharmaceuticals and medical technology
- Analytical testing and environmental science
- Food and beverage
- Advanced manufacturing
- Research and development

Support for the Employer

If an employer is using their levy funds to train a new Technician Scientist Apprentice, 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.



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 between 17-33 months to complete (depending if an academic qualification is being included), 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

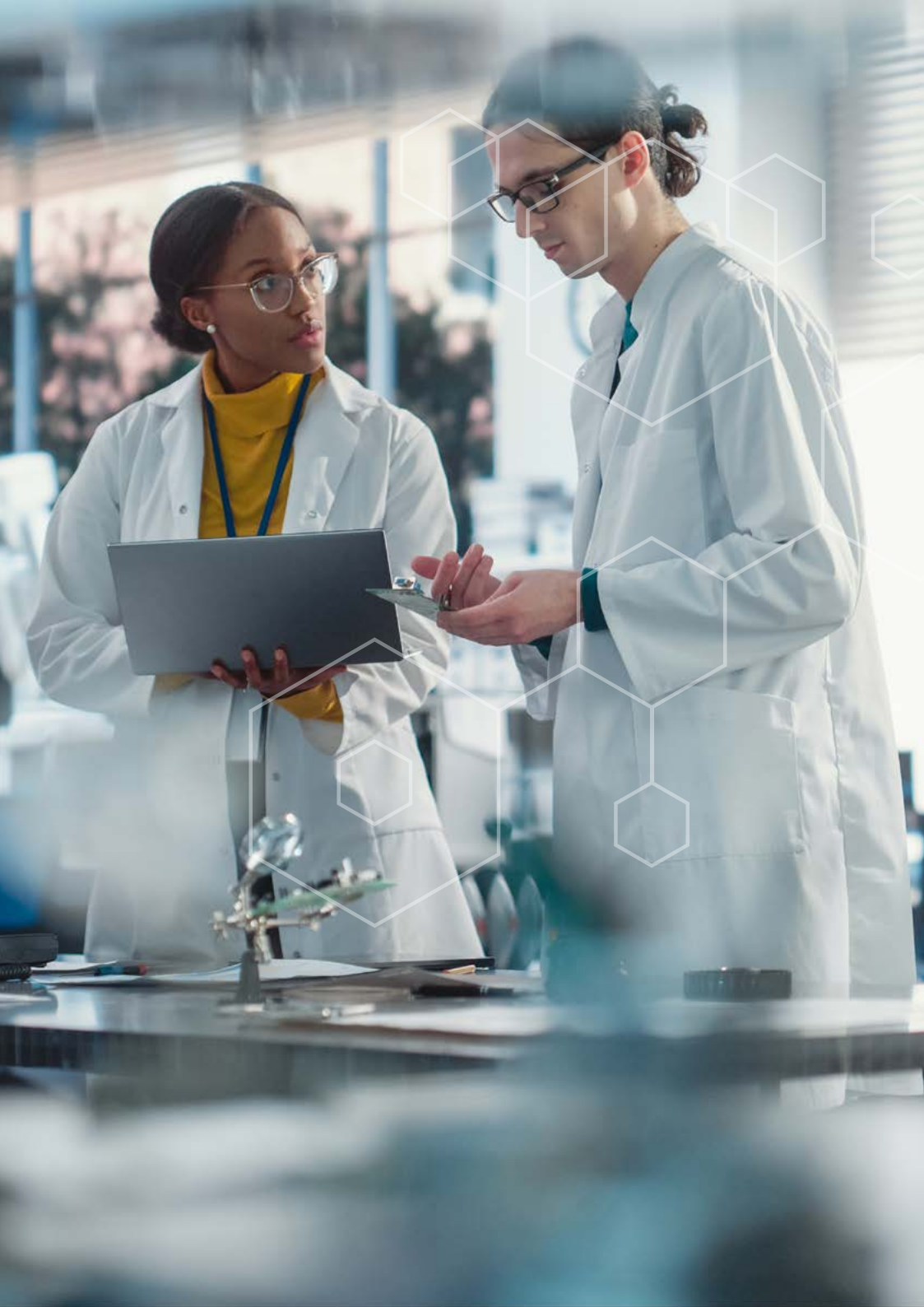
The apprentice will be put in a Gateway before going through End Point Assessment (EPA).

The Gateway consists of:

- Workplace synoptic project plan
- Completion of Vocational Competence Evaluation Log
- Employer and CSR agree the Apprentice is ready for EndPoint 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) Scientist apprenticeship.



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 an employer pays the apprentice levy, they can fund Technician Scientist apprentices through their DAS account. A maximum funding band of £21k 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.

“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

A HIGHLY COST-EFFECTIVE INVESTMENT

For many SMEs, apprenticeship funding can cover most or all eligible training and assessment costs, subject to current funding rules and individual eligibility.

- Government funding may cover 100% of eligible costs for qualifying younger apprentices and eligible small employers.
- Most non-levy employers normally contribute only a small proportion of eligible training costs.
- Levy Transfer funding may reduce an eligible employer's training contribution to £0.
- Employer National Insurance relief may apply for eligible apprentices under 25.
- Additional incentives may be available where current funding rules and apprentice circumstances permit.

CSR CAN HELP EMPLOYERS CHECK
ELIGIBILITY AND FUNDING OPTIONS

BY THE END OF THE PROGRAMME, PARTICIPANTS WILL BE ABLE TO:

- Lead continuous improvement initiatives within laboratory environments.
- Understand the financial and operational drivers of laboratory performance.
- Analyse business data and use meaningful metrics to support decision making.
- Contribute to business development, customer engagement and commercial growth.
- Deliver measurable operational improvements using Lean Six Sigma methodologies.
- Act as future technical leaders who bridge scientific expertise with business performance.

THE RESULT

Laboratory-based technical staff who not only deliver outstanding science, but also help their organisations become more productive, competitive and commercially successful.



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