

Level 3 Laboratory Technician Standard

Your programme consists of the following elements:

- ▶ Pearson/Edexcel BTEC L3 Foundation Diploma in Applied Science
- ▶ Competency Log - portfolio of evidence covering the knowledge, skills and behaviours set out in the Apprenticeship Standard.
- ▶ Functional Skills Maths and English if required



Course Aims and Objectives

The BTEC Nationals in Applied Science have been developed in the science sector to:

Give you the opportunity to acquire technical and employability skills, knowledge and understanding which are transferable and will enable you to meet changing circumstances, whether these arise from a shift in your own status or employment, or general changes in applied science practice, provision or environment.

Give education and training for you to develop your underpinning knowledge and scientific skills.

Give opportunities for science employees to achieve a nationally recognised Level 3 vocationally-specific qualification.

Give learners the opportunity to enter employment in the science sector and to progress to a higher level 5 or 6 degree level apprenticeship standard.

Give you the opportunity to develop a range of skills and techniques, personal skills and attributes essential for successful performance in working life.

To work with you to ensure you gain your RSciTech accreditation with an approved body.

BTEC sessions with your tutor take place weekly.

Your BTEC qualification will be assessed through internally assessed assignments and externally assessed exams. External assessment means that you will be required to sit examinations at CSR premises in Sutton Coldfield.

Apprentices will be required to attend 2 practical weeks at CSR during programme to complete the required practicals of the BTEC course. Employers are expected to cover any additional costs incurred for travel and accommodation required.

Competence Log

During your time on programme, you must compile a Competence Log. CSR have assigned you a Vocational Skills Coach who will work with you to achieve this part of the Standard. You will meet with your VSC every 4 to 6 weeks.

All competence evidence will be uploaded to your Onefile account. Some of the competencies that you will be demonstrating can be found below:

Work Safely in a laboratory, maintaining excellent housekeeping whilst following appropriate safety, environment and risk management systems.

Understand and follow quality procedures to meet the requirements of quality standards relevant to the workplace.

Prepare for laboratory tasks using the appropriate scientific techniques, procedures and methods.

Perform laboratory tasks following specified methodologies, such as Standard Operating Procedures.

Understand the business environment in which the company operates including personal role within the organisation, ethical practice and codes of conduct.

Functional Skills

If you have not acquired a full GCSE or equivalent level qualification to grade C/4 in English and Maths when you start your apprenticeship programme, you will be required to sit and pass the Functional Skills aspect of that subject during your scheme.

End Point Assessment

During the last 3 months of your programme, we will put you in a Gateway to prepare you for End Point Assessment (EPA). This will be carried out by an independent EPA organisation. The formal assessment will comprise of:

- Knowledge test
- Observation with Questioning
- Structured Interview underpinned by a portfolio of evidence (Competence Log)

For more information about the assessment plan, please visit the IfATE website:

<https://www.instituteforapprenticeships.org/apprenticeship-standards/laboratory-technician/>

Entry Requirements

Candidates should possess five GCSEs (or equivalents) at grade 4 or above including Maths, English and a Science. Recruiting employers may have additional entry criteria.

Professional Recognition

This standard provides individuals with the opportunity for registration as Registered Science Technician with either the Royal Society of Chemistry, Royal Society of Biology or the Institute of Physics. Talk to your tutor to find out more.

