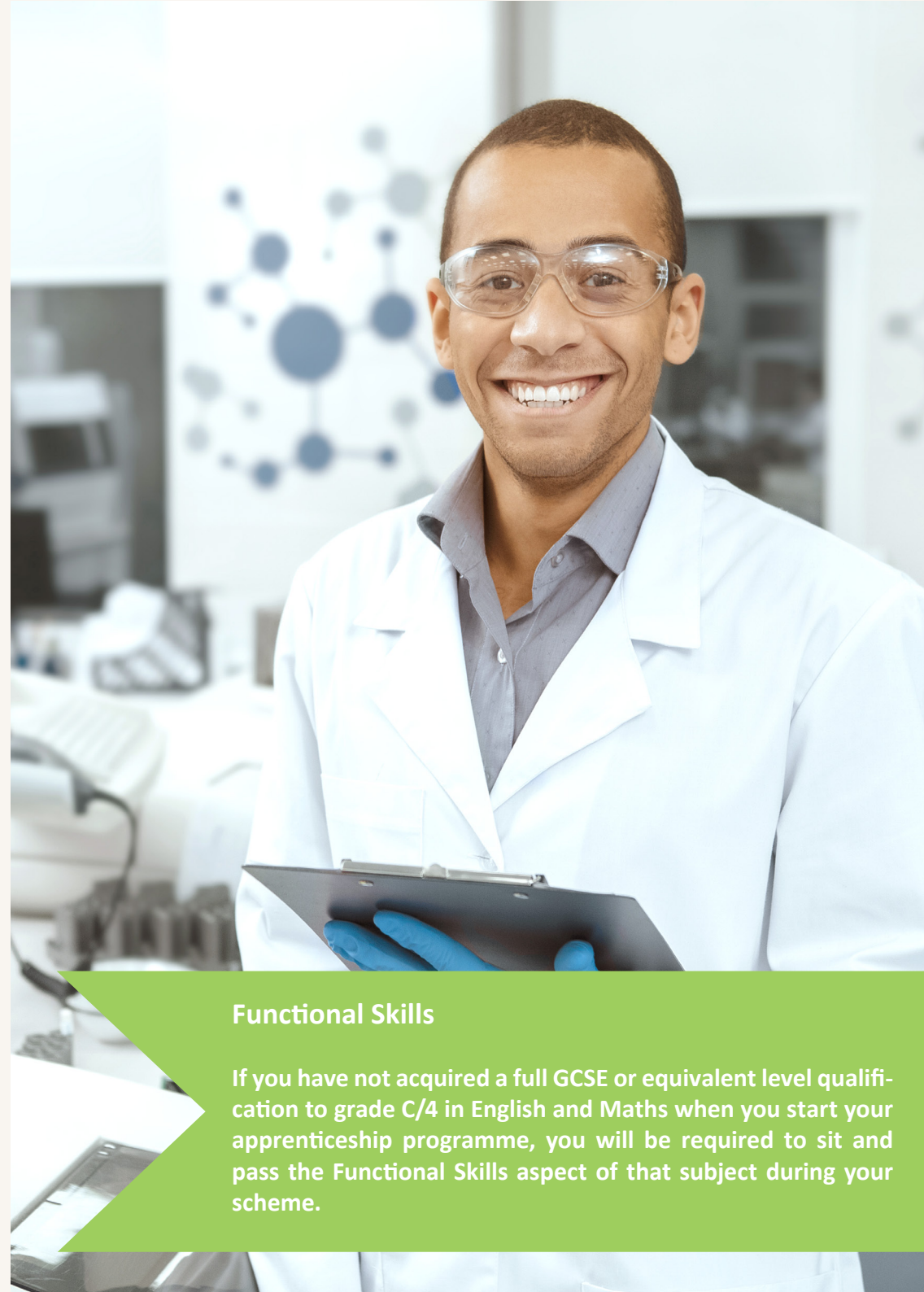


## Level 3 Science Manufacturing Technician Standard

### 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



### 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.



## 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. Please note, all on-line sessions will be recorded.

Your BTEC qualification will be mainly assessed through assignments, however, 2 units are externally assessed which means that you will be required to sit examinations at CSR premises in Sutton Coldfield. We are easily accessible by train and you can speak to your employer regarding transport costs.

There will also be several practical sessions which will be held in the same way, at our site if you usually receive your inputs on line. Alternative locations may be available if this has been negotiated by your employer.



## 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:

Both independently and within a team start-up a manufacturing batch or continuous process in line with appropriate Standard Operating Procedures, understanding the principles of operation.

Both independently and within a team operate a manufacturing batch or continuous process in line with appropriate Standard Operating Procedures, understanding the principles of operation.

Both independently and within a team shut down/complete a run of the manufacturing batch or continuous process in line with appropriate Standard Operating Procedures, understanding the principles of operation.

Work safely in a science manufacturing environment, understanding personal responsibility for Health, Safety and the Environment and principles of risk management

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

Understand the internal and external regulatory environment pertinent to the sector and the employer and comply with regulations proficiently.



## 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:

- A Synoptic Assessment Test
- Vocational Competence Discussion
- Scenario Case Study

For more information about the assessment plan, please visit the IfATE website: <https://www.instituteforapprenticeships.org/apprenticeship-standards/science-manufacturing-technician-v1-0>

## Professional Recognition

This standard provides individuals with the opportunity for RSciTech 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.

