

Level 3 Laboratory and Science Technician Apprenticeship

The Level 3 Laboratory and Science Technician apprenticeship is a nationally recognised work-based training programme preparing apprentices for a wide range of laboratory based roles and equipping them with transferable skills that are valued by employers.



Youthforce 

Level 3 Laboratory and Science Technician Apprentice

The role of Laboratory and Science Technician is suited to develop individuals who work or want to work within the analytical, educational, materials testing, pharmaceutical and industrial science industries. The apprenticeship is vocationally designed for people wishing to gain employment using analytical and technical skills within the STEM sector.

Each apprentice will gain the **competencies, knowledge and behaviours** required and approved by industry leaders. Learners must be at least 16 years old with a keen interest in science and a desire to develop their skills whilst maintaining a full time position.

Progression

Completion of this Apprenticeship will allow learners to apply and gain professional recognition as a **Registered Science Technician (RSciTech)**. Upon completion, apprentices may secure a full-time position within the analytical, educational and industrial sectors. Additionally, the experience and knowledge gained will prepare learners for progression onto degree level apprenticeships.

The Apprenticeship Programme

The BTEC qualification provides the knowledge that is equivalent to A Level standard. The assessment of the candidates competence in the laboratory environment is assessed from the experience gained within the workplace. In addition, the apprenticeship is supported by qualifications in functional skills and evaluation of positive work-place behaviour. Learners must already hold grade A*-C or new grade 4+ GCSE for example, or must complete the functional skills below.

Qualifications	Functional Skills
Level 3 Subsidiary BTEC Diploma in Applied Science	Level 2 English
	Level 2 Mathematics

A laboratory technician also demonstrates the required attitudes, behaviours and interpersonal skills associated with the professional workplace including:

Behaviours
Communicate effectively using a full range of skills: speaking; listening; writing; body language; presentation
Work and interact effectively within a team
Work independently and take responsibility for initiating and completing tasks
Understand impact of work on others, especially where related to diversity and equality
Time management and ability to complete work to schedule
Ability handle change and respond to change management processes

Competencies

- 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.
- Understand the internal and external regulatory environment pertinent to the sector and the employer and comply with regulations proficiently.
- Prepare for laboratory tasks using the appropriate scientific techniques, procedures and methods.
- Perform laboratory tasks following specified methodologies, such as Standard Operating Procedures.
- Demonstrate technical competence in the use of specified instrumentation and laboratory equipment, including calibration where required.
- Produce reliable, accurate data and keep accurate records of laboratory work undertaken and results.
- Analyse, interpret and evaluate data and identify results requiring further investigation seeking advice of senior colleagues as appropriate.
- Understand and apply statistical techniques for data presentation.
- Communicate scientific information appropriately, including the use of Laboratory Information Management systems, either digital or paper based.
- Participate in continuous performance improvement.
- Develop and apply theoretical knowledge of relevant science and technology required for the sector & job role.
- Demonstrate the required attitudes, behaviours and interpersonal skills associated with the professional workplace.

Level 3 Subsidiary BTEC Diploma in Applied Science

- Fundamentals of Science
- Working in the Science Industry
- Scientific Practical Techniques
- Perceptions of Science
- Using Science in the Workplace
- Science for Environmental Technicians

Employment

The Basics

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| • Duration: minimum 18 months | • Mentoring |
| • Hours: minimum 30 per week, inclusive of training | • Annual leave, contract of employment, salary |

Resources and Support

Youthforce offers a wide range of support for apprenticeships, including:

- One-to-one tutorials
- Action learning with peers
- Distance E-learning
- Comprehensive Support
- Classroom sessions

Contact Youthforce

Youthforce is dedicated to employer led training. For a conversation on how we can work together to develop your workforce through apprenticeships please get in touch.

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