

Laboratory Technician Advanced Apprenticeship Standard

Ofsted Outstanding Provider

Course Level: Level 3 | **Campus: Stafford** | **Subject Type: Science & Maths**

Course Overview:

Enter the world of science with this work-based laboratory apprenticeship and develop the in-demand skills needed by a wide range of organisations.

Delve into advanced science areas including:chemical, primary and secondary pharmaceutical, biotechnology, formulated products, nuclear companies; and analytical science services, dental laboratories and educational establishments.

What's Covered:

This apprenticeship focuses on working at the forefront of technology to carry out both routine and one-off laboratory testing (and manufacturing where relevant) and perform a variety of technical support functions across the organisation.

The role is found in a wide range of organisations, including but not exclusively, chemical, primary and secondary pharmaceutical, biotechnology, formulated products, nuclear companies, and analytical science services, dental laboratories and educational establishments.

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During this apprenticeship, you will focus on these areas:

- Working safely in a laboratory, maintaining excellent housekeeping whilst following appropriate safety, environment and risk management systems.
- Following quality procedures to meet the requirements of quality standards relevant to the workplace.
- Preparing for laboratory tasks using the appropriate scientific techniques, procedures and methods.
- Performing laboratory tasks following specified methodologies, such as Standard Operating procedures.
- Use of specified instrumentation and laboratory equipment, including calibration where required.
- Producing 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.
- Communicating scientific information appropriately, including the use of Laboratory Information Management systems, either digital or paper based.
- Applying scientific techniques for data presentation. e.g. statistics.
- Recognising problems and apply appropriate scientific methods to identify causes and achieve solutions.
- Participating in continuous business performance improvement.

Entry Requirements:

GCSE 4 or equivalent in Maths and English preferable; discussed on a one to one basis

Assessment Information:

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Your progress is monitored and assessments are arranged throughout the course and are flexible in delivery (ie) day release to college, block placements

Assessments Information

: includes observations of performance, responses to written/spoken questions, assignments to show your knowledge and understanding and building an e portfolio of evidence to support your knowledge, skills and behaviours.

End Point Assessment comprises of

: Knowledge Test, Observation with Questioning and a structured interview underpinned by a portfolio of evidence.

Progression:

Your assessor will discuss with you and your employer the next steps to take.

How do I find out more?

For more information, call 01782 254287 or email apprenticeships@nscg.ac.uk