Summary of the:

LEVEL 3 NVQ DIPLOMA IN LABORATORY AND ASSOCIATED TECHNICAL ACTIVITIES INDUSTRIAL SCIENCE

Who is this qualification for?

This qualification provides recognition of the skills and knowledge of individuals working in a laboratory in an educational or industrial environment. It covers maintaining health and safety; and maintaining efficient and effective working relationships for scientific or technical activities. It contains two Pathways: Education Science and Industrial Science. process engineering environment.

Establishing underpinning knowledge and understanding relevant to individuals working in a laboratory in an educational or industrial environment, this qualification is intended to be capable of delivery through both a taught programme of off-the-job learning or through workplace assessment (for those with access to the real workplace).

8 Units must be achieved, 2 Common Mandatory Units, 3 Pathway specific Mandatory Units and 3 Optional Units; 2 of which must be taken from Group A.

What is required from candidates?

Qualifications are made up of a number of units that have a credit value or credits.

These credits must be achieved in the correct combination of 2 Common Mandatory Units, 3 Pathway specific Mandatory Units and 3 Optional Units; 2 of which must be taken from Group A. This qualification has 8 units, which have a value of 65 credits.

The units are made up of the things you need to know and the things you need to be able to do to carry out your job safely and correctly. These are called Learning Outcomes, and all must be met to achieve the unit.

Qualifications are now required to indicate the total qualification time (TQT), this is to show the typical time it will take someone to attain the required skills and knowledge to meet the qualification criteria, this qualification has a TQT of 480 hours.

Qualifications are also required to indicate the number of hours of teaching someone would normally need to receive in order to pass the qualification. These are referred to as Guided Learning Hours (GLH). The GLH for this qualification is 300.

Unit Ref	Unit title	Credit value
Mandatory Units		
LAT3- 001	Maintain health and safety in a scientific or technical workplace	5
LAT3- 002	Maintain effective and efficient working relationships for scientific or technical activities	5
LAT3- 003	Carry out scientific or technical testing operations	12
LAT3- 004	Access and communicate scientific or technical information to authorised personnel	6
LAT3- 005	Provide technical advice and guidance for scientific or technical activities	12
Optional Units -Group 1		
LAT3- 006	Plan scientific or technical sampling and testing activities	8
LAT3- 007	Carry out complex scientific or technical testing operations	12
LAT3- 008	Carrying out complex scientific or technical sampling operations	8
LAT3- 009	Carry out scientific or technical investigations	9
LAT3- 010	Carry out small scale processing	8
LAT3- 011	Diagnose faults, repair and maintain scientific or technical equipment for workplace activities	8

LSC3- 015	Measuring, weighing and preparing compounds and solutions for laboratory use	16
Optional Units -Group 2		
LAT3- 013	Maintain and control stocks of all resources, equipment and consumables for scientific or technical activities	4
LAT3- 014	Make presentations for scientific or technical activities in the workplace	6
LAT3- 015	Assess their own scientific or technical knowledge and skills for workplace activities	4
LAT3- 016	Provide training for scientific or technical activities in the workplace	8
LAT3- 017	Provide scientific or technical leadership for a workplace team	16
LSC2- 020	Following aseptic procedures in the laboratory environment	9

Assessment Guidance:

Evidence should show that you can complete all of the learning outcomes for each unit being taken.

Types of evidence:

Evidence of performance and knowledge is required. Evidence of performance should be demonstrated by activities and outcomes, and should be generated in the workplace only, unless indicated under potential sources of evidence (see below). Evidence of knowledge can be demonstrated though performance or by responding to questions.

Quantity of evidence:

Evidence should show that you can meet the requirements of the units in a way that demonstrates that the standards can be achieved consistently over an appropriate period of time.

Potential sources of evidence:

The main source of evidence for each unit will be observation of the candidate's performance and knowledge demonstrated during the completion of the unit. This can be supplemented by the following types of physical or documentary evidence:

- Accident book/reporting systems
- Safety records
- Training records
- Audio records
- Job specifications and documentation
- Delivery Records
- Witness testimonies
- Correspondence with customers
- Notes and memos
- Photo/video evidence
- Work diaries
- Timesheets
- Telephone Logs
- Meeting records
- Records of toolbox talks
- Equipment
- Prepared materials and sites
- Completed work

Please Note that photocopied or downloaded documents such as manufacturers' or industry guidance, H&S policies, Risk Assessments etc, are not normally acceptable evidence for GQA unless accompanied by a record of a professional discussion or Assessor statement confirming candidate knowledge of the subject. If you are in any doubt about the validity of evidence, please contact your GQA External Verifier.