



ETCAL Level 2 NVQ Certificate in Laboratory and Associated
Technical Activities
601/6957/6
Structure

Qualification aim

The ETCAL Level 2 Certificate in Laboratory and Associated Technical Activities provides awareness of the knowledge and competencies required to work within a laboratory environment, covering mandatory units focussed on health and safety. Information recording and maintenance of working relationships. Optional modules are then split using two pathways: Industrial Science and Educational Science.

Qualification introduction

This Certificate is aimed at Employees who undertake technical activities within a laboratory in either an educational or industrial environment and wish to have formal recognition of their skills, competence and knowledge, and learners registered on the Laboratory and Science Technicians apprenticeship framework.

Mandatory units cover those areas which have a common approach such as organisational safety requirements and using information recording systems through two pathways:

- Education
- Industrial Science

Progression opportunities include a number of Laboratory-based roles such as:

- Analytical Scientist
- Biologist
- Physicist
- Laboratory Technician

Assessment

In order to achieve this qualification a learner must complete all units as mandatory. The assessment criteria determine the standard required to achieve each unit and allow for a variety of assessment methods to be used as appropriate to the environment the qualification is delivered in. There is no examined assessment element in this qualification.

Achievement

Learners must achieve a minimum of 31 credits to gain the Education Science qualification and 32 credits to gain the Industrial Science qualification. 16 credits must be achieved by completing the 3 mandatory units for both pathways and the remaining credits achieved by completing 3 optional units, 2 of which must be taken from Optional Group A in the case of both pathways.

Qualification Number		601/6957/6
Qualification Framework		RQF
Title		ETCAL Level 2 NVQ Certificate in Laboratory and Associated Technical Activities
Qualification Level		Level 2
Total Qualification Time		310 TQT
Guided Learning Hours		214 GLH
Qualification Credit Value		31 Credits
Qualification Grading Structure		Pass / Fail

Unit Title	Mandatory/Optional	GLH	TQT	Credit Value	Grading
Mandatory Units – all 3 units must be completed for both pathways					
Follow health and safety procedures for scientific or technical activities	M	35		5	Pass/Fail
Use information recordings systems for scientific or technical activities	M	48		6	Pass/Fail
Maintain effective and efficient working relationships for scientific or technical activities	M	25		5	Pass/Fail
Education Science Pathway – Option Group A – 2 units must be achieved from this group					
Carry out routine maintenance, cleaning and checking of scientific or technical equipment	O	46		6	Pass/Fail
Prepare resources and equipment for scientific or technical learning activities	O	35		6	Pass/Fail
Clean and tidy the workplace after scientific or technical learning activities	O	34		5	Pass/Fail
Provide scientific or technical support for learning activities	O	48		6	Pass/Fail

Education Science Pathway – Option Group B – The learner may choose one unit from this group					
Maintain stocks of resources, equipment and consumables for scientific or technical use	O	37		4	Pass/Fail
Prepare compounds and solutions for scientific or technical use	O	99		13	Pass/Fail
Prepare new scientific or technical methods, resources and equipment for learning activities	O	81		12	Pass/Fail
Demonstrate scientific or technical methods, techniques and skills to others in the workplace	O	56		8	Pass/Fail

Industrial Science Pathway – Option Group A – 2 units must be achieved from this group					
Carry out simple scientific or technical tests using manual equipment	O	59		7	Pass/Fail
Carry out simple scientific or technical tests using automated equipment	O	70		10	Pass/Fail
Prepare scientific or technical samples for testing activities	O	58		8	Pass/Fail
Carry out sampling operations for scientific or technical tests	O	42		5	Pass/Fail
Industrial Science Pathway – Option Group B – 2 units must be achieved from this group					
Carry out routine maintenance, cleaning and checking of scientific or technical equipment	O	46		6	Pass/Fail
Maintain stocks of resources, equipment and consumables for scientific or technical use	O	37		4	Pass/Fail
Prepare compounds and solutions for scientific or technical use	O	99		13	Pass/Fail
Following aseptic procedures in the laboratory environment	O	51		9	Pass/Fail