



ETCAL Level 2 Certificate in Laboratory and Associated Technical
Activities

601/6957/6

Overview

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 mandatory units. 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.

Qualification Number		601/6957/6
Title		Level 2 NVQ Certificate in Laboratory and Associated Technical Activities
Unit Level		Level 2
Guided Learning Hours		15
Total Qualification Time		170
Credit Value		17
Unit Grading Structure		Pass

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.

Mandatory Units – all 3 units must be completed for both pathways

Unit Reference Number		T/601/9366	H/601/9378	A/601/9384
Title		Follow health and safety procedures for scientific or technical activities	Use information recordings systems for scientific or technical activities	Maintain effective and efficient working relationships for scientific or technical activities
Guided Learning Hours		35	48	25
Unit Credit Value		5	6	5

Education Science Pathway – Option Group A – 2 units must be achieved from this group

Unit Reference Number		K/601/9378	K/601/9381	M/601/9382	T/601/9383
Title		Carry out routine maintenance, cleaning and checking of scientific or technical equipment	Prepare resources and equipment for scientific or technical learning activities	Clean and tidy the workplace after scientific or technical learning activities	Provide scientific or technical support for learning activities
Guided Learning Hours		46	35	34	48
Unit Credit Value		6	6	5	6

Education Science Pathway – Option Group B – The learner may choose one unit form this group

Unit Reference Number		M/601/9379	H/601/9380	A/601/9384	Y/601/9733
Title		Maintain stocks of resources, equipment and consumables for scientific or technical use	Prepare compounds and solutions for scientific or technical use	Prepare new scientific or technical methods, resources and equipment for learning activities	Demonstrate scientific or technical methods, techniques and skills to others in the workplace
Guided Learning Hours		37	99	81	56
Unit Credit Value		4	13	12	8

Industrial Science Pathway – Option Group A – 2 units must be achieved from this group

Unit Reference Number		F/601/9385	J/601/9386	L/601/9387	R/601/9388
Title		Carry out simple scientific or technical tests using manual equipment	Carry out simple scientific or technical tests using automated equipment	Prepare scientific or technical samples for testing activities	Carry out sampling operations for scientific or technical tests
Guided Learning Hours		59	70	58	42
Unit Credit Value		7	10	8	5

Industrial Science Pathway – Option Group A – B units must be achieved from this group

Unit Reference Number		K/601/9378	M/601/9379	H/601/9380	T/601/2031
Title		Carry out routine maintenance, cleaning and checking of scientific or technical equipment	Maintain stocks of resources, equipment and consumables for scientific or technical use	Prepare compounds and solutions for scientific or technical use	Following aseptic procedures in the laboratory environment
Guided Learning Hours		46	37	99	51
Unit Credit Value		6	4	13	9