



Laboratory and Associated Technical Activities

The Laboratory and Associated Technical Activities SVQs are available at Levels 2 and 3; at both levels candidates are required to complete Mandatory Units and then have a choice of Optional Units.

Document detail:

SVQ 2 in Laboratory and Associated Technical Activities Education Science at SCQF Level 6

SVQ 2 in Laboratory and Associated Technical Activities Industrial Science at SCQF Level 6

SVQ 3 in Laboratory and Associated Technical Activities Education Science at SCQF Level 7

SVQ 3 in Laboratory and Associated Technical Activities Industrial Science at SCQF Level 7

Who are the Qualifications for:

These qualifications provide recognition of the competence, skills and knowledge of individuals who work in a laboratory in an educational or industrial environment. They have been developed by Semta SSC from their National Occupational Standards for Laboratory and Associated Technical Activities and are available at Levels 2 and 3 to allow for progression.

Laboratory and Associated Technical Activities	SVQ 2 at SCQF Level 6 GE4D 22 - Education Science	SVQ 2 at SCQF Level 6 GE4F 22 - Industrial Science
Last Registration Date	30 th November 2016	30 th November 2016
Last Certification Date	30 th November 2018	30 th November 2018

This qualification contains two Pathways: Education Science and Industrial Science

For both Pathways candidates must complete 6 Units: 3 Common Mandatory Units, and 3 Optional Units, 2 of which must be taken from Group A.

Mandatory Units

- 1 Follow health and safety procedures for scientific or technical activities - SCQF Level 5, 8 Credits
- 2 Maintain effective and efficient working relationships for scientific or technical activities - SCQF Level 6, 3 Credits
- 3 Use information recordings systems for scientific or technical activities - SCQF Level 6, 6 Credits

Education Science - Optional Units

3 Optional units required, 2 must be from Option Group A.

Option Group A

- 4 Carry out routine maintenance, cleaning and checking of scientific or technical equipment - SCQF Level 6, 6 Credits
- 8 Prepare resources and equipment for scientific or technical learning activities - SCQF Level 6, 5 Credits
- 9 Clean and tidy the workplace after scientific or technical learning activities - SCQF Level 5, 5 Credits
- 10 Provide support for scientific or technical learning activities - SCQF Level 6, 6 Credits

Option Group B

- 5 Maintain stocks of resources, equipment and consumables for scientific or technical use - SCQF Level 6, 4 Credits
- 6 Prepare compounds and solutions for scientific or technical use - SCQF Level 6, 13 Credits
- 7 Demonstrate scientific or technical methods, techniques and skills to others in the workplace - SCQF Level 7, 9 Credits
- 11 Prepare new scientific or technical methods, resources and equipment for learning activities - SCQF Level 7, 12 Credits

Industrial Science - Optional Units

3 Optional units required, 2 must be from Option Group A.

Option Group A

- 12 Carry out simple scientific or technical tests using manual equipment - SCQF Level 6, 7 Credits
- 13 Carry out simple scientific or technical tests using automated equipment - SCQF Level 6, 10 Credits
- 14 Prepare scientific or technical samples for testing activities - SCQF Level 6, 8 Credits
- 15 Carry out sampling operations for scientific or technical tests - SCQF Level 6, 5 Credits

Option Group B

- 4 Carry out routine maintenance, cleaning and checking of scientific or technical equipment - SCQF Level 6, 6 Credits
- 5 Maintain stocks of resources, equipment and consumables for scientific or technical use - SCQF Level 6, 4 Credits
- 6 Prepare compounds and solutions for scientific or technical use - SCQF Level 6, 13 Credits
- 16 Following aseptic procedures in the laboratory environment - SCQF Level 6, 9 Credits

Laboratory and Associated Technical Activities	SVQ 3 at SCQF Level 7 GE4E 23 - Education Science	SVQ 3 at SCQF Level 7 GE4G 23 - Industrial Science
Last Registration Date	30 th November 2016	30 th November 2016
Last Certification Date	30 th November 2020	30 th November 2020

This qualification contains two Pathways: Education Science and Industrial Science.

For the Education Science Pathway candidates must complete 2 Common Mandatory Units, 1 Pathway-specific Mandatory Unit and 5 Optional Units, 3 of which must be taken from Group A.

For the Industrial Science Pathway candidates must complete 2 Common Mandatory Units, 3 Pathway-specific Mandatory Units and 3 Optional Units, 2 of which must be taken from the Group A.

Mandatory Units

- 1 Maintain health and safety in a scientific or technical workplace - SCQF Level 6, 9 Credits
- 2 Maintain effective and efficient working relationships for scientific or technical activities - SCQF Level 6, 3 Credits

Education Science

Mandatory Unit

- 19 Evaluate and provide scientific or technical assistance for learning activities - SCQF Level 6, 6 Credits

Optional Units

5 Optional units required, 3 must be from Option Group A.

Option Group A

- 11 Diagnose faults, repair and maintain scientific or technical equipment for workplace activities - SCQF Level 7, 8 Credits
- 16 Provide training for scientific or technical activities in the workplace - SCQF Level 7, 8 Credits
- 20 Demonstrate scientific or technical methods, techniques and skills to others in the workplace - SCQF Level 7, 9 Credits
- 21 Improve the quality and reliability of scientific or technical activities in the workplace - SCQF Level 8, 10 Credits
- 22 Test and evaluate new scientific or technical methods and equipment for learning activities - SCQF Level 7, 12 Credits
- 23 Provide technical support for computer application software and equipment for learning activities - SCQF Level 7, 10 Credits

Option Group B

- 13 Maintain and control stocks of all resources, equipment and consumables for scientific or technical activities - SCQF Level 6, 4 Credits
- 14 Make presentations for scientific or technical activities in the workplace - SCQF Level 7, 6 Credits
- 15 Assess your own scientific or technical knowledge and skills for workplace activities - SCQF Level 7, 4 Credits
- 17 Provide scientific or technical leadership for a workplace team - SCQF Level 8, 16 Credits

Industrial Science

Mandatory Units

- 3 Carry out scientific or technical testing operations - SCQF Level 6, 12 Credits
- 4 Assess and communicate scientific or technical information to authorised personnel - SCQF Level 6, 6 Credits
- 5 Provide technical advice and guidance for scientific or technical activities - SCQF Level 7, 12 Credits

Optional Units

3 Optional units required, 2 must be from Option Group A.

Option Group A

- 6 Plan scientific or technical sampling and testing activities - SCQF Level 7, 8 Credits
- 7 Carry out complex scientific or technical testing operations - SCQF Level 7, 12 Credits
- 8 Carry out complex scientific or technical sampling operations - SCQF Level 7, 8 Credits
- 9 Carry out scientific or technical investigations - SCQF Level 7, 9 Credits
- 10 Carry out small scale processing - SCQF Level 7, 8 Credits
- 11 Diagnose faults, repair and maintain scientific or technical equipment for workplace activities - SCQF Level 7, 8 Credits
- 12 Measuring, weighing and preparing compounds and solutions for laboratory use - SCQF Level 7, 16 Credits

Option Group B

- 13 Maintain and control stocks of all resources, equipment and consumables for workplace scientific or technical activities - SCQF Level 6, 4 Credits
- 14 Make presentations for scientific or technical activities in the workplace - SCQF Level 7, 6 Credits
- 15 Assess your own scientific or technical knowledge and skills for workplace activities - SCQF Level 7, 4 Credits
- 16 Provide training for scientific or technical activities in the workplace - SCQF Level 7, 8 Credits
- 17 Provide scientific or technical leadership for a workplace team - SCQF Level 8, 16 Credits
- 18 Following aseptic procedures in the laboratory environment - SCQF Level 6, 9 Credits