

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Standards Generating Body (SGB) for

Piano Restoration and Tuning

registered by Organising Field 02, Culture and Arts, publishes the following qualification and unit standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the qualification and unit standards. The full qualification and unit standards can be accessed via the **SAQA** web-site at www.saqg.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the **SAQA** offices, SAQA House, 1067 Arcadia Street, Hatfield. Pretoria.

Comment on the qualification and unit standards should reach **SAQA** at the address **below and no later 19 February 2007**. All correspondence should be marked **Standards Setting – Piano Restoration and Tuning** addressed to

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SAQA QUAL ID		QUALIFICATION TITLE	
58010		National Certificate: Piano Restoration	
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Piano Restoration and Tuning		2	
QUAL TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD
National Certificate		Culture and Arts	Music
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
Undefined	149	Level 2	Regular-Unit Stds Based

training and development will be a possibility and therefore provide further employment opportunity. The nature of the piano industry will promote and develop Entrepreneurs. Formal training in this industry will support the retention of trained personnel to choose a career in the piano industry.

This will provide an entry-level qualification for the industry. The qualifying learners will perform all functions to repair and restore acoustic pianos under supervision.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

It would be desirable for learners wishing to access this Qualification to be competent at:

- > Language and Communication at NQF Level 1.
- > Mathematical Literacy at NQF Level 1.

Recognition of Prior Learning:

This Qualification and all the fundamental, core and elective Unit Standards associated with it as described in the rules of combination can be achieved by any learner through the recognition of prior learning, which includes learning outcomes achieved through formal, informal and non-formal learning and work experience. The exit-level outcomes and the related Unit Standards may also be achieved through the recognition of prior learning.

Access to the qualification:

There are no access limitations on any learners or classes of learners for this Qualification, besides the recommendations in the learning assumptions outlined above.

QUALIFICATION RULES

The qualifying learner will achieve this Qualification by complying with the following rules of combination for the accumulation of credits:

Learning component:

- > All Fundamental Unit Standards: 36 Credits.
- > All Core Unit Standards: 103 Credits.
- > Elective Unit Standards: 10 Credits.
- > Minimum Credits: **149** Credits.

EXIT LEVEL OUTCOMES

1. Communicate in a variety of ways to achieve personal and organisational objectives.
2. Use mathematics and mathematical thinking to solve every day problems for him/her and the organisation.
3. Apply knowledge of music and pianos to restore and refurbish acoustic piano.
4. Apply knowledge and skills of acoustic piano restoration and reconditioning.
5. Provide support for the restoration and reconditioning of the acoustic piano.
6. Apply life-skills for personal and organisational development.

ASSOCIATED ASSESSMENT CRITERIA

1.
 - > Oral communication is maintained and adapted to meet workplace and personal needs and expectations.
 - > Texts are interpreted and responded to in writing in a range of contexts in Piano Restoration and Tuning.
 - > Language and communication are used to interpret and respond to texts in occupational learning programmes.
2.
 - > Statistics, probability and probability models are used to solve a range of contextual problems.
 - > Mathematical number systems, shape and motion analysis are used to solve a range of life related problems.
 - > Mathematics is used to investigate and monitor the financial aspects of personal and community life.
3.
 - > The historical development and the functions of the parts of the acoustic piano is described according to

the South African Piano industry.

- > Basic sight reading and keyboard skills are demonstrated in accordance with industry practice.
- > The workings of the human ear and the sound envelope are explained in relation to recognised industry references.
- > A basic public address system is connected and operated according to manufacturer's instructions.

4.

- > The acoustic piano (Grand or Upright) is transported, packed, stored, cleaned and polished in accordance with organisational procedures and manufacturer's instructions.
- > Inspection report is compiled and evaluated to determine repair and restoration according to organisational procedures.
- > The acoustic piano (Grand or Upright) is dismantled and assembled under supervision as per organisational processes and procedures.
- > The action, keys and component materials of the acoustic piano is reconditioned or replaced in accordance with organisational procedures.

5.

- > Team work is maintained to achieve the organisational goals in the provision of acoustic piano repair services.
- > Stock is counted and recorded to maintain required levels in accordance with organisational procedures.
- > Tools and equipment is cared for and used in accordance with manufacturer's instructions and the safety, health and environmental principles and procedures in the workplace.
- > The acoustic piano frame is prepared and covered using basic upholstery hand tools to meet organisational requirements.

6.

- > A personal computer system is operated and maintained according to manufacturer's instructions and organisational procedures.
- > Basic first aid is applied and reports are completed in accordance with organisational processes and procedures.
- > Workplace inspections are conducted and risks or hazards are identified and reported according to legislation and workplace procedures.
- > Leadership techniques are applied to a specific group or team to meet organisational requirements.

Integrated assessment:

Integrated assessment at the level of Qualification provides an opportunity for learners to show that they are able to integrate concepts, ideas and actions across Unit Standards to achieve competence that is grounded and coherent in relation to the purpose of the Qualification. Integrated assessment should show how already demonstrated competence in individual areas can be linked and applied for the achievement of a holistic outcome as described in the exit level outcomes.

Integrated assessment must judge the quality of the observable performance, and also the quality of the thinking that lies behind it. Assessment tools must encourage learners to give an account of the thinking and decision-making that underpin their demonstrated performance. Some assessment practices will demand practical evidence while others may be more theoretical, depending on the type of outcomes to be assessed. The ratio between action and interpretation is not fixed, but varies according to the demands of the particular exit level outcome of the Qualification.

While the generic component (communication, mathematical literacy and supporting skills for piano restoration) of this Qualification at NQF Level 2 can be assessed through occupational contexts and activities relating to piano restoration and repair, care must be taken in both the learning programme and the assessment to ensure that these foundational skills are portable. The primary aim of this Qualification is to ensure that learners have a sound base of general education to prepare them for further learning, whatever career path they may choose. Learners must be able to transfer generic skills across a number of different contexts, and apply them within a number of learning areas.

A broad range of task-orientated and theoretical assessment tools may be used, with the distinction between practical knowledge and disciplinary knowledge maintained so that each takes its rightful place.

INTERNATIONAL COMPARABILITY

The skills and knowledge required in piano restoration are generally passed on to apprentices or gleaned through experience under expert guidance. Another source of such training is the Piano manufacturers that offer in-house training for staff. The range of learning offerings includes e-learning, distance learning and full-time study.

The most common approach is to access a short learning programme or a short course as is offered worldwide. Examples of some of these are:

- > Piano tuner's super home study course (www.pianotuning-course.com).
- > Randy Potter School of Piano Technology (www.pianotuning.com).
- > The American School of Piano Tuning (www.piano-tuning.com).
- > Escuela de Tecnologia Pianistica de Buenos Aires (Landolfi@lvd.com.ar).

The following institutions are examples of some institutions that offer full-time academic courses:

- > Emil Fries School of Piano Tuning & Technology (www.pianotuningschool.org).
- > The Chicago School for Piano Technology (www.pianotechschool.com).
- > Oscar-Walcker-schule Ludwigsburg Germany.
- > University of Western Ontario (www.pianotech.uwo.ca).

In most states of America and countries of Europe "piano repair" is offered as a short course or learning programme offered by private institutions. There appears to be limited nationally recognised training and education qualifications or competencies that can compare with this National Certificate: Piano Restoration at NQF Level 2.

This National Certificate in Piano Restoration has been designed to develop the whole individual while the examples located develop a range of job related skills only. These courses and programmes are focussed only on vocational knowledge and skills. In this sense there is a differing emphasis in the qualification for the learners. This National Certificate: Piano Restoration at NQF Level 2, although for a South African context, has been compared with Qualifications from these countries:

- > Australia.
- > New Zealand.
- > United Kingdom.
- > United States of America.
- > Scotland.

This qualification has been benchmarked against the United Kingdom (Qualifications and Curriculum Authority) vocationally related qualification, Level 2 Certificate in Classical Musical Instrument Technology (100/2628/9). This qualification was chosen because it is of similar duration and depth. Both qualifications are registered at Level 2 on the respective frameworks.

The United Kingdom approach however, includes other musical instruments like violin, guitar, woodwind and brass. These are areas of specialisation within the qualification and are therefore Electives. While this National Certificate is dedicated to the repair of one classical instrument, the acoustic piano (Upright and Grand), the QCA qualification caters for all groups of classical instruments. Furthermore, for the purpose of this comparison the Fundamental component of learning has not been included.

The units of learning comprising these qualifications are presented below with the hours of learning for each unit in brackets:

A: Certificate in Classical Musical Instrument Technology (Piano Pathway) at Level 2:

1. K/101/6574: Piano - Chipping-Up (60)
2. M/101/6575: Piano - Rough Tuning (60)
3. J/101/6565: Health and Safety (30)
4. R/101/6567: Woodworking for musical Instrument makers (30)
5. Y/101/6568: Materials and their Application (30)
6. D/101/6569: History and Development of an Instrument (30)
7. T/101/6576: Piano - Action Repairs (60)
8. A/101/6577: Piano - Case Finishing (60)

B: National Certificate in Piano Restoration at NQF Level 2:

1. 116520: Apply safety, health and environmental principles and procedures in a workplace (20)
2. 9879: Use and care for tools and equipment (10)
3. 117150: Cover prepared frame using basic upholstery hand tools (320)
4. 243304: Understand the development and mechanisms of the acoustic piano (40)
5. 243312: Recondition action and keys of the acoustic piano (60)
6. 243311: Dismantle acoustic piano (80)

- 7. 243307: Inspect and record the condition of the acoustic piano (50)
- 8. 243309: Care for the acoustic piano (40)
- 9. 114891: Count stock for a stock-take (50)
- 10. 8420: Operate in a team (40)
- 11. 243323: Acquire and apply basic keyboard skills (80)
- 12. 243322: Develop basic practical instrument ability (150)

There is a close similarity that extends over 6 units of learning between the two qualifications, i.e.

- > A 3 and B 1.
- > A 4 and B 2
- > A 5 and B 3.
- > A 6 and B 4.
- > A 7 and B 5.
- > A 8 and B 6.

These units are also similar in assigned hours of learning to achieving competence for the award of credits. The following learning areas reflect the overlap between these qualifications:

- > Health and safety.
- > Tools and materials.
- > History and development.
- > Recondition action and keys.
- > Dismantle and finish piano.

The remaining 2 units of the **QCA** qualification relate to the "tuning" of acoustic pianos and is catered for in another qualification in the same learning pathway at NQF Level 4. These are:

- > Piano chipping up.
- > Piano rough tuning.

The remaining 7 unit standards of the National Certificate in Piano Restoration cater for the development of the learner to successfully function in the South African piano industry. They will provide the learner with workplace skills and knowledge to apply business processes, including:

- > Inspect and record piano condition
- > Piano care.
- > Stock take.
- > Teamwork.
- > Sound technology.
- > Keyboard and piano skills.

ARTICULATION OPTIONS

Currently there are no registered qualifications in the sub-field of music on any musical instrument or on the subject of Music at NQF Levels 2 and 3.

However, the possibility for vertical articulation with this qualification is:

- > **57886**: National Certificate: Welding Application and Practice, NQF Level 3

Examples for horizontal articulation with this qualification are:

- > 57881: National Certificate: Welding Application and Practice, NQF Level 2.
- > 21014: National Certificate: Metal and Engineering Manufacturing, NQF Level 2.

MODERATION OPTIONS

- > Any institution offering learning that will enable achievement of this Qualification must be accredited by the relevant ETQA.
- > External Moderation of assessment will be overseen by the relevant ETQA at its discretion.
- > The accredited Training Provider will oversee internal Moderation of assessment
- > Moderation should encompass achievement of competence described in both individual Unit Standards as

well as the integrated competence described in the Qualification.

> Moderation must also encompass achievement of the competencies described in the exit level outcomes described above.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

> Assessors must be registered as assessors with a relevant ETQA or an ETQA that has a Memorandum of Understanding with the relevant ETQA.

> Assessors must be in possession of a Qualification in Piano Restoration and Tuning or a related sub-field in Culture and Arts at a minimum of NQF Level 3.

NOTES

N/A

UNIT STANDARDS

(Note: A blank space after this line means that the qualification is not based on Unit Standards.)

	UNIT STANDARD ID AND TITLE	LEVEL	CREDITS	STATUS
Core	8420 Operate in a team	Level 2	4	Reregistered
Core	9879 Use and care for tools and equipment	Level 2	10	Reregistered
core	114891 Count stock for a stock-take	Level 2	5	Registered
core	116520 Apply safety, health and environmental principles and procedures in a workplace	Level 2	2	Registered
Core	243311 Dismantle acoustic piano	Level 2	8	Draft - Prep for P Comment
Core	243312 Recondition action and keys of the acoustic piano	Level 2	6	Draft - Prep for P Comment
Core	243322 Develop basic practical instrument ability	Level 2	15	Draft - Prep for P Comment
Core	243323 Acquire and apply basic keyboard skills	Level 2	8	Draft - Prep for P Comment
Elective	116932 Operate a personal computer system	Level 1	3	Registered
Elective	117867 Managing Resources in a Graphical User Interface (GUI) environment	Level 1	3	Registered
Elective	117902 Use generic functions in a Graphical User Interface (GUI) environment	Level 1	4	Registered
Elective	12483 Perform basic first aid	Level 2	4	Reregistered
Elective	114950 Apply ways of leading in different situations	Level 2	3	Registered
Elective	115101 Address workplace hazards and risks	Level 2	4	Registered
Elective	119753 Perform basic welding/joining of metals	Level 2	8	Registered
Elective	114508 Pack equipment, material and tools	Level 3	7	Registered
Fundamental	7469 Use mathematics to investigate and monitor the financial aspects of personal and community life	Level 2	2	Reregistered
Fundamental	7480 Demonstrate understanding of rational and irrational numbers and number systems	Level 2	3	Reregistered
Fundamental	9007 Work with a range of patterns and functions and solve problems	Level 2	5	Reregistered
Fundamental	9008 Identify, describe, compare, classify, explore shape and motion in 2- and 3-dimensional shapes in different contexts	Level 2	3	Reregistered
Fundamental	9009 Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	Level 2	3	Reregistered
Fundamental	119454 Maintain and adapt oral/signified communication	Level 2	5	Registered
Fundamental	119456 Write/present for a defined context	Level 2	5	Registered
Fundamental	119460 Use language and communication in occupational learning programmes	Level 2	5	Registered
Fundamental	119463 Access and use information from texts	Level 2	5	Registered



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UNIT STANDARD:

1

Understand the development and mechanisms of the acoustic piano

SAQA US ID	UNIT STANDARD TITLE		
243304	Understand the development and mechanisms of the acoustic piano		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Piano Restoration and Tuning	2		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUB-FIELD / SUB-TITLE	
Regular	Culture and Arts	Music	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 2	Regular

SPECIFIC OUTCOME 1

Describe the historical development of the modern acoustic piano.

SPECIFIC OUTCOME 2

Define industry terms and describe types of acoustic pianos.

SPECIFIC OUTCOME 3

Explain the function of the parts of the acoustic piano,

SPECIFIC OUTCOME 4

Identify the materials and tools used to restore and repair acoustic pianos.



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2

<i>SAQA US ID</i>		<i>UNIT STANDARD TITLE</i>	
243307		Inspect and record the condition of the acoustic piano	
<i>SGB NAME</i>		<i>ORGANISING FIELD ID</i>	<i>PROVIDER NAME</i>
SGB Piano Restoration and Tuning		2	
<i>UNIT STANDARD TYPE</i>		<i>ORGANISING FIELD DESCRIPTION</i>	<i>SUBFIELD DESCRIPTION</i>
Regular		Culture and Arts	Music
<i>ABET BAND</i>	<i>CREDITS</i>	<i>NQF LEVEL</i>	<i>UNIT STANDARD TYPE</i>
Undefined	5	Level 2	Regular

SPECIFIC OUTCOME 1

Inspect and remove cabinet panels of the acoustic piano.

SPECIFIC OUTCOME 2

Inspect and record the condition of the action and the backframe.

SPECIFIC OUTCOME 3

Evaluate inspection report to determine repair and restoration.



3

SAQA US ID		UNIT STANDARD TITLE	
243309		Care for the acoustic piano	
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Piano Restoration and Tuning		2	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Culture and Arts	Music
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 2	Regular

SPECIFIC OUTCOME 2

Store and pack the acoustic piano.

SPECIFIC OUTCOME 3

Clean and polish the acoustic piano.



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UNIT STANDARD:

4

SAQA US ID	UNIT STANDARD TITLE		
24331 1	Dismantle acoustic piano		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Piano Restoration and Tuning	2		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Culture and Arts	Music	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	8	Level 2	Regular

SPECIFIC OUTCOME 2

Identify and use tools and equipment required to dismantle the acoustic piano.

SPECIFIC OUTCOME 3

Dismantle the acoustic piano.



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UNIT STANDARD:

5

Recondition action and keys of the acoustic piano

SAQA US ID		UNIT STANDARD TITLE	
243312		Recondition action and keys of the acoustic piano	
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Piano Restoration and Tuning		2	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Culture and Arts	Music
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	6	Level 2	Regular

SPECIFIC OUTCOME 1

Repair the keys of the acoustic piano.

SPECIFIC OUTCOME 2

Re-face the hammers of the acoustic piano.

SPECIFIC OUTCOME 3

Fit a set of new hammers to the acoustic piano.

SPECIFIC OUTCOME 4

Replace the component materials of the action of the acoustic piano.



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UNIT STANDARD:

6

Develop basic practical instrumentability

SAQA US ID	UNIT STANDARD TITLE		
243322	Develop basic practical instrument ability		
Tuning			
UNIT STANDARD TYPE		DES	SUBJECT DESCRIPTION
Regular		Culture and Arts	Music
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	15	Level 2	Regular

SPECIFIC OUTCOME 1

Demonstrate knowledge of chosen instrument.

SPECIFIC OUTCOME 2

Demonstrate technical skills on the chosen instrument.

SPECIFIC OUTCOME 3

Perform on chosen instrument.

SPECIFIC OUTCOME 4

Sight Read and Play on chosen instrument.



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UNIT STANDARD:

7

Acquire and apply basic keyboard skills

SAQA US ID		UNIT STANDARD TITLE	
'243323		Acquire and apply basic keyboard skills	
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Piano Restoration and Tuning		2	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Culture and Arts	Music
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	8	Level 2	Regular

SPECIFIC OUTCOME 1

Display basic keyboard technique.

SPECIFIC OUTCOME 2

Demonstrate basic sight reading skills.

SPECIFIC OUTCOME 3

Recognise and demonstrate different styles of music in the context of the keyboard.

SPECIFIC OUTCOME 4

Describe and analyse different music pieces.