



Accredited Provider  
The Skills College for Development and Training (Pty)Ltd.

## **National Certificate: Building and Civil Construction**

*Qualification ID 65409– NQF 3; 140 Credits*

### **INTRODUCTION**

Purpose:

Typically, qualifying learners are employed in the construction sector as painters, tilers, plasterers, masons, joiners, carpenters, roofers, or are self-employed as micro-enterprise owners who provide services to construction contractors and members of the public (e.g. private households). Consequently, this employment sector consists of many small and micro-enterprises.

Qualifying learners will be able to:

Plan construction activities using mathematical principles.

Communicate with relevant persons.

Plan construction activity.

Establish work area.

Execute construction activity.

### **Rationale for the qualification:**

As a result of past legacies, many practitioners within the building construction sector were denied career advancement and possible recognition as qualified tradesmen. This was as a direct result of poor educational opportunities at some schools, leading to a lack of entry to formal training institutions. This qualification:

Encourages individual entrepreneurship and job creation.

Supports redress and provide access to employment opportunities.

Promotes career advancement and further learning.

Results in transformation/social upliftment of individuals, communities and the South African society at large.

Most learners taking this qualification have not had access to structured skills training in the past, and therefore their competence has not been formally recognised. Although they may have been economically active within the area of construction building and civil construction for many years, most unqualified construction painters, tilers, plasterers, masons, joiners, carpenters, roofers have gained their experience in workplaces where little attention was paid to efficient, correct performance within acceptable time/production rates.

The qualification not only allows qualifying learners to gain access to the formal construction sector, but also recognises any previously acquired competence that current workers in the sector may hold and improves their employability prospects. Personal career development and job satisfaction, social and economic transformation not only of persons who are skilled in building and civil construction, but

of their local communities and the national economy, are further benefits to be derived from the skills enhancement gained through achievement of this qualification. This qualification will support the creation of a larger community of competent building and civil construction workers and ensure that this sector of the national economy is positively sustained.

The range of competencies achieved by learners who successfully complete this qualification is transferable to other areas of training and fields of operation, thereby providing a basis for further learning in the construction sector, as well as possibilities of transferring into other fields of economic activity/employment. The construction sector requires a specific focus on quality management to ensure implementation compliant with Health and Safety Regulations. To ensure sustainability and a positive image of their businesses, employers demand high performance standards and quality workmanship. Qualified construction building and civil construction workers will deliver services of competitive quality; their earning ability will be increased.

This qualification may be achieved through any of the (four) routes, which includes apprenticeship, learnership, internship, RPL. To successfully complete this qualification, the learner must spend a minimum time in the workplace and will be completed in this qualification over an 18-months period.

### **LEARNING ASSUMED TO BE IN PLACE**

It is assumed that learners are already competent in the following:

Communication at NQF Level 2.

Mathematical Literacy at NQF Level 2.

Recognition of Prior Learning:

Pre-assessments in both the Fundamental and Core areas of learning associated with this qualification will be conducted on learners prior to entry into the qualification. Successful demonstration of competence against all criteria contained in unit standards, against which prior learning is measured, will culminate in the award of credits to the learner. Learners' will not be required to repeat learning in those areas where prior learning is recognised and accredited.

The Recognition of Prior Learning process will also be applied where learners', who have achieved this Qualification, wish to continue their further learning and enter other trades at NQF Level 3.

Access to the Qualification:

Access to the qualification is open, except where there are restrictions placed on learners, based on their physical ability to adhere to legal occupational health, safety and environment standards that may prevent them from gaining access to this qualification.

### **EXIT LEVEL OUTCOMES**

1. Plan construction activities using mathematical principles.

Range: Construction activities include Painting, Tiling, Plastering, Masonry, Joinery, Carpentry, and Roofing.

2. Communicate with relevant persons.

3. Plan construction activity.

4. Establish work area.

5. Execute construction activity.

Range: Construction activities include Painting, Tiling, Plastering, Masonry, Joinery, Carpentry, and Roofing.

## Critical Cross-Field Outcomes:

This qualification promotes, in particular, the following critical cross-field outcomes:

Identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made when:

Identifying and developing component shapes for construction activity.

Obtaining information where instructions or information on drawings is insufficient.

Identifying and pro-actively reporting on non-availability of resources and materials.

Working effectively with others as a member of a team, group, organisation, and community during:

Activities involving clients, co-workers and other trades on site.

Communicating and receiving advice from supervisor.

Organising and managing oneself and one's activities responsibly and effectively when:

Setting out and preparing the work area.

Performing activities in accordance with industry standards.

Selecting tools and equipment in accordance with the requirements of the task.

Ensuring tools, equipment and materials are securely stored.

Maintaining minimum quantities of materials in accordance with task requirements.

Safety equipment and clothing is selected and prepared in accordance with legislative requirements.

Collecting, analysing, organising and critically evaluating information to better understand and explain by:

Carrying out written site instructions issued by the client.

Correctly interpreting information contained in drawings.

Level and plumb in accordance with instructions and drawings.

Communicating effectively using visual, mathematical and/or language skills in the modes of oral and/or written persuasion when:

Issuing clear verbal instructions to team members.

Actively listening to feedback received from team members.

Evaluating and reporting problem situations to the client, co-workers and peers.

Using science and technology effectively and critically, showing responsibility towards the environment and health of others when:

By applying the appropriate tools and materials for different construction activities.

Demonstrating an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation when:

Setting up and preparing work area reflecting a consideration for environmental impact factors.

Reflecting a respect and consideration of other trades on a construction site.

## **TIME PERIOD**

This Learnership can be presented over a period of 12 months

**A SELECTION OF THE FOLLOWING UNIT STANDARDS WILL BE COMPLETED IN ORDER TO REACH 140 CREDITS:**

**UNIT STANDARDS:**

	<b>ID</b>	<b>UNIT STANDARD TITLE</b>	<b>PRE-2009 NQF LEVEL</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Core	<a href="#">259604</a>	Verify compliance to safety, health and environmental requirements in the workplace	Level 2	NQF Level 02	4
Core	<a href="#">14672</a>	Describe the composition, roleplayers and the role of the construction industry in the South African economy	Level 3	NQF Level 03	4
Core	<a href="#">261661</a>	Develop construction work plans	Level 3	NQF Level 03	8
Core	<a href="#">261664</a>	Erect, use and dismantle access equipment for construction work	Level 3	NQF Level 03	6
Core	<a href="#">261658</a>	Identify, use and maintain tools, machines, equipment and materials for building and civil construction activities	Level 3	NQF Level 03	4
Core	<a href="#">261737</a>	Procure building and civil construction materials, tools and equipment	Level 3	NQF Level 03	8
Core	<a href="#">254220</a>	Provide primary emergency care/first aid as an advanced first responder	Level 3	NQF Level 03	8
Core	<a href="#">14580</a>	Read and interpret construction drawings and specifications	Level 3	NQF Level 03	10
Fundamental	<a href="#">119472</a>	Accommodate audience and context needs in oral/signed communication	Level 3	NQF Level 03	5
Fundamental	<a href="#">9010</a>	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	Level 3	NQF Level 03	2
Fundamental	<a href="#">9013</a>	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 3	NQF Level 03	4
Fundamental	<a href="#">119457</a>	Interpret and use information from texts	Level 3	NQF Level 03	5
Fundamental	<a href="#">9012</a>	Investigate life and work related problems using data and probabilities	Level 3	NQF Level 03	5
Fundamental	<a href="#">119467</a>	Use language and communication in occupational learning programmes	Level 3	NQF Level 03	5
Fundamental	<a href="#">7456</a>	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	NQF Level 03	5
Fundamental	<a href="#">119465</a>	Write/present/sign texts for a range of communicative contexts	Level 3	NQF Level 03	5

Elective	<a href="#">14882</a>	Apply screeds to a concrete floor	Level 2	NQF Level 02	15
Elective	<a href="#">117420</a>	Administer payments and expenses	Level 3	NQF Level 03	4
Elective	<a href="#">9973</a>	Apply basic business concepts	Level 3	NQF Level 03	8
Elective	<a href="#">261660</a>	Apply paint by spray	Level 3	NQF Level 03	8
Elective	<a href="#">9971</a>	Apply screeds to a concrete floor	Level 3	NQF Level 03	15
Elective	<a href="#">14494</a>	Apply wallpaper	Level 3	NQF Level 03	8
Elective	<a href="#">14632</a>	Build decorative masonry elements	Level 3	NQF Level 03	25
Elective	<a href="#">261663</a>	Build masonry superstructures using concrete hollow units	Level 3	NQF Level 03	10
Elective	<a href="#">261659</a>	Build masonry superstructures using solid units	Level 3	NQF Level 03	20
Elective	<a href="#">14674</a>	Clad roof structures	Level 3	NQF Level 03	16
Elective	<a href="#">14676</a>	Erect roof trusses	Level 3	NQF Level 03	16
Elective	<a href="#">14226</a>	Fabricate, erect and strip formwork for straight walls, columns and bases	Level 3	NQF Level 03	15
Elective	<a href="#">14224</a>	Fabricate, erect and strip steel and timber formwork for T-walls, decks and beams and single flight staircases	Level 3	NQF Level 03	12
Elective	<a href="#">261662</a>	Finish products manufactured from wood and wood composites	Level 3	NQF Level 03	4
Elective	<a href="#">14673</a>	Install finishing components	Level 3	NQF Level 03	16
Elective	<a href="#">13977</a>	Install gunite materials for refractory linings	Level 3	NQF Level 03	10
Elective	<a href="#">243751</a>	Interpret and apply building standards relevant to ceilings and partitioning	Level 3	NQF Level 03	12
Elective	<a href="#">14665</a>	Interpret current affairs related to a specific business sector	Level 3	NQF Level 03	10
Elective	<a href="#">261679</a>	Manufacture and fit door and window frames	Level 3	NQF Level 03	8
Elective	<a href="#">261678</a>	Manufacture and install cupboards, counters, staircases and mouldings from wood and wood composites	Level 3	NQF Level 03	12

Elective	<a href="#">261677</a>	Manufacture and install partitioning and wall panelling from wood	Level 3	NQF Level 03	4
Elective	<a href="#">14679</a>	Manufacture timber roof trusses	Level 3	NQF Level 03	6
Elective	<a href="#">261680</a>	Manufacture wooden components	Level 3	NQF Level 03	4
Elective	<a href="#">14650</a>	Pave surfaces using flexible segmental paving	Level 3	NQF Level 03	9
Elective	<a href="#">14654</a>	Pave surfaces using rigid segmental clay paving	Level 3	NQF Level 03	9
Elective	<a href="#">261657</a>	Plaster surfaces	Level 3	NQF Level 03	12
Elective	<a href="#">10002</a>	Plaster walls and screed a floor and steps	Level 3	NQF Level 03	15
Elective	<a href="#">243757</a>	Prepare a site for ceiling and partition installation	Level 3	NQF Level 03	13
Elective	<a href="#">14657</a>	Prepare and install imprint concrete pavement	Level 3	NQF Level 03	9
Elective	<a href="#">261717</a>	Prepare and lay precast block paving	Level 3	NQF Level 03	10
Elective	<a href="#">261681</a>	Prepare cutting lists, set-out and mark off for machining purpose	Level 3	NQF Level 03	4
Elective	<a href="#">9969</a>	Prepare for plastering	Level 3	NQF Level 03	15
Elective	<a href="#">261665</a>	Prepare surfaces and apply tiles	Level 3	NQF Level 03	20
Elective	<a href="#">261697</a>	Prepare surfaces for painting	Level 3	NQF Level 03	20
Elective	<a href="#">261666</a>	Prime and apply paint to surfaces	Level 3	NQF Level 03	18
Elective	<a href="#">14662</a>	Set out, excavate, cast concrete strip foundations and build foundation walling	Level 3	NQF Level 03	6
Elective	<a href="#">119712</a>	Tender for business or work in a selected new venture	Level 3	NQF Level 03	8
Elective	<a href="#">14491</a>	Apply industrial protective coatings	Level 4	NQF Level 04	8
Elective	<a href="#">14493</a>	Apply special surface coatings	Level 4	NQF Level 04	8
Elective	<a href="#">11533</a>	Apply specialist plastering and screeding to surface	Level 4	NQF Level 04	18

Elective	<a href="#">10003</a>	Apply specialist tiling to surfaces	Level 4	NQF Level 04	18
Elective	<a href="#">252214</a>	Conduct follow-up with customers to evaluate satisfaction levels	Level 4	NQF Level 04	6
Elective	<a href="#">10324</a>	Describe features, advantages and benefits of a range of products or services	Level 4	NQF Level 04	6
Elective	<a href="#">14225</a>	Fabricate, erect and strip steel and timber formwork for curved, sloped and E-walls and curved bases with kicker, incorporating waterbar	Level 4	NQF Level 04	20
Elective	<a href="#">252197</a>	Identify and use marketing resources to meet objectives	Level 4	NQF Level 04	4
Elective	<a href="#">252193</a>	Identify potential and existing customers of the business	Level 4	NQF Level 04	4
Elective	<a href="#">252200</a>	Implement activity plans to meet agreed deadlines	Level 4	NQF Level 04	6
Elective	<a href="#">252218</a>	Liaise with a range of customers of a business	Level 4	NQF Level 04	4
Elective	<a href="#">242811</a>	Prioritise time and work for self and team	Level 4	NQF Level 04	5
Elective	<a href="#">10037</a>	Take orders from customers to fulfil a need for goods and/or service	Level 4	NQF Level 04	10