



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

General Education and Training Certificate: Construction

Qualification ID 49411– NQF 1; 120 Credits

INTRODUCTION

Qualifying learners will be competent to execute elementary construction activities in terms of the fields of learning successfully completed.

For those with extensive experience in the workplace, this qualification will serve as entry to the Recognition of Prior Learning processes without prior formal education and training having been undertaken.

For new entrants, this qualification describes the learning outcomes required to effectively participate in a structured workplace.

For education and training providers, this qualification provides guidance for development of appropriate learning programmes and assessment criteria.

For employers, this qualification enables skills gaps to be identified and addressed, ensuring achievement of increased productivity levels and business objectives.

This qualification has been developed to provide flexibility / mobility / portability across the construction industry, thereby allowing for future career advancement across various fields of learning in construction

Rationale for the qualification:

The rationale is to provide an introduction into construction practice with options in various fields of learning at NQF Level 1. This qualification will be awarded on successful completion of the programme. At this level, all work is executed under very close supervision.

Learners will be employed in the construction industry where the combination of practical work and theoretical class room training will empower new entrants to the construction industry and the combination of learning outcomes in this qualification will provide learners with applied competence in the execution of their work.

This qualification serves as a basis for learning towards various qualifications in related construction fields at NQF Level 2.

As a contribution to socio-economic transformation, learners will be able to undergo RPL-assessment, thereby receiving recognition for previous learning and experience. The employability and career prospects of learners holding this qualification will be enhanced.

Benefits to the economy include employment of previously unemployable persons who can offer skills to a number of different employer bodies, for example construction companies and government departments where, during the construction and maintenance of physical infrastructure, such skills will be in demand.

LEARNING ASSUMED TO BE IN PLACE

Prior to embarking on learning towards this qualification, learners should have acquired language competencies and mathematical literacy competencies at ABET Level 3.

Recognition of Prior Learning

The qualification may be obtained through the process of Recognition of Prior Learning (RPL). Learners who have met the requirements of any unit standard in this qualification may apply to the relevant Education and Training Quality Assurance Body (ETQA) for recognition of prior learning, and will be assessed against the assessment criteria and specific outcomes for the relevant unit standard/s. ETQA bodies are responsible for facilitating the implementation of the RPL, and must register trained assessors against specific unit standards. Learners are prepared for assessment and assessed against the unit standard by such registered assessors. Moderation and appeals processes must be implemented. Learners declared competent against a specific unit standard, receive ETQA certificates indicating their achievements and this information is also recorded on the National Learner Registration Database (NLRD).

EXIT LEVEL OUTCOMES

Generic:

On completion of this qualification learners are able to demonstrate the following generic competencies:

An understanding of sexuality and sexually transmitted infections including HIV/AIDS. Organisational policies and norms will be used to evaluate this.

A basic understanding of the construction industry. The organisation's role in industry and the learner's role in the organisation will be used to evaluate this.

Ability to identify and use protective clothing and equipment. Relevant sections of the Occupational Health and Safety Act will be used to evaluate this.

Ability to use of hand tools on a construction site. The learner will be required to demonstrate proper and safe use of tools during assessment, in compliance with manufactures' instructions and Safety Regulations.

Electives:

Specific elective exit level outcomes and assessment criteria for the different proposed fields of learning are the following:

1. Bricklaying fields of learning

Basic competence in building masonry superstructures with solid and hollow units, under supervision.

2. Plastering fields of learning

Basic competence in applying plaster and screeds to surfaces, under supervision.

3. Reinforcing fields of learning

Basic competence in assembling and tying reinforcing cages under supervision, bending and cutting steel.

4. Formwork fields of learning

Basic competence in fabricating, erecting and stripping of steel and timber formwork, under supervision.

5. Timber roof erection fields of learning

Basic competence in constructing roofs, under supervision.

6. Carpentry finishing components fields of learning

Basic competence in executing all carpentry finishing work in buildings, under supervision.

7. Ceiling and timber frame partitioning fields of learning

Basic competence in installing ceilings and framed partitioning, under supervision.

8. Plumbing fields of learning

Basic competence in installing and maintaining drainage and water supply systems, under supervision.

9. Structural fields of learning

Basic competence in executing structural construction, under supervision.

10. Plant operator fields of learning

Competence in operating basic (or easy-to-operate) plant, under supervision.

11. Water and waste water fields of learning

Competence in constructing water and waste water reticulation, under supervision.

12. Painting fields of learning

Competence in preparing, priming and painting new and previously coated surfaces.

13. Tiling fields of learning

Competence in applying tiles to plastered surfaces.

14. Labour intensive construction fields of learning : roads and stormwater

Competence in applying labour intensive construction techniques in a roads and stormwater construction environment.

15. Labour intensive construction fields of learning : structures

Competence in applying labour intensive construction techniques in a structural construction environment.

16. Labour intensive construction fields of learning : water and waste water

Competence in applying labour intensive construction techniques in a water and waste water construction environment.

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 120 CREDITS:

UNIT STANDARDS:

	ID	UNIT STANDARD TITLE	PRE-2009 NQF LEVEL	NQF LEVEL	CREDITS
Core	13995	Demonstrate an understanding of contracts and their sources	Level 1	NQF Level 01	2
Core	14656	Demonstrate an understanding of sexuality and sexually transmitted infections including HIV/AIDS	Level 1	NQF Level 01	5
Core	14445	Frame and implement an individual action plan to improve productivity within an organisational unit	Level 1	NQF Level 01	3
Core	13973	Identify and use protective clothing and equipment in general construction	Level 1	NQF Level 01	4
Core	12877	Use and maintain Hand tools on a Construction Site	Level 1	NQF Level 01	4
Core	9978	Describe the construction industry composition its work procurement systems and communication techniques	Level 2	NQF Level 02	3
Fundamental	12449	Engage in a range of speaking and listening interactions (Revised)	Below Level 1	Level TBA:Pre-2009 BelowL1	6
Fundamental	12453	Use reading skills to respond to defined texts	Below Level 1	Level TBA:Pre-2009 BelowL1	8
Fundamental	12460	Write defined texts	Below Level 1	Level TBA:Pre-2009 BelowL1	6
Fundamental	7464	Analyse cultural products and processes as representations of shape, space and time	Level 1	NQF Level 01	2
Fundamental	7451	Collect, analyse, use and communicate numerical data	Level 1	NQF Level 01	2
Fundamental	7449	Critically analyse how mathematics is used in social, political and economic relations	Level 1	NQF Level 01	2
Fundamental	14084	Demonstrate an understanding of and use the numbering system	Level 1	NQF Level 01	1
Fundamental	7463	Describe and represent objects and the environment in terms of shape, space, time and motion	Level 1	NQF Level 01	2
Fundamental	12462	Engage in a range of speaking and listening interactions for a variety of purposes	Level 1	NQF Level 01	6
Fundamental	12471	Explore and use a variety of strategies to learn (revised)	Level 1	NQF Level 01	5
Fundamental	12469	Read and respond to a range of text types	Level 1	NQF Level 01	6
Fundamental	7461	Use maps to access and communicate information concerning routes, location and direction	Level 1	NQF Level 01	1
Fundamental	7447	Working with numbers in various contexts	Level 1	NQF Level 01	6
Fundamental	12470	Write for a variety of different purposes	Level 1	NQF Level 01	6

Elective	14897	Adhere to health and safety requirements	Level 1	NQF Level 01	3
Elective	12916	Batch and mix concrete by volume	Level 1	NQF Level 01	5
Elective	119069	Build masonry superstructures using hollow units	Level 1	NQF Level 01	12
Elective	119073	Build masonry superstructures using solid units	Level 1	NQF Level 01	12
Elective	14443	Demonstrate a critical understanding of the role and impact of technology in society	Level 1	NQF Level 01	3
Elective	14569	Demonstrate an understanding of how to participate effectively in the workplace	Level 1	NQF Level 01	3
Elective	14664	Demonstrate knowledge of diversity within different relationships in the South African society	Level 1	NQF Level 01	3
Elective	14661	Demonstrate knowledge of self in order to understand one`s identity and role within the immediate community and South African society	Level 1	NQF Level 01	3
Elective	13971	Describe and interpret the composition, roleplayers, processes and role of the construction industry	Level 1	NQF Level 01	3
Elective	9357	Develop and use keyboard skills to enter text	Level 1	NQF Level 01	4
Elective	13174	Identify and discuss inappropriate behaviours in the workplace	Level 1	NQF Level 01	2
Elective	119056	Identify, describe and utilise materials in construction	Level 1	NQF Level 01	4
Elective	119064	Install and maintain basic plumbing components	Level 1	NQF Level 01	12
Elective	12904	Install Gabion Baskets on a Construction Site	Level 1	NQF Level 01	5
Elective	12901	Maintain vegetation and minor structures within the road reserve	Level 1	NQF Level 01	6
Elective	12509	Manage personal finances	Level 1	NQF Level 01	8
Elective	116932	Operate a personal computer system	Level 1	NQF Level 01	3
Elective	15091	Plan to manage one`s time	Level 1	NQF Level 01	3
Elective	12512	Practice environmental awareness	Level 1	NQF Level 01	4
Elective	14014	Read and interpret construction drawings and specifications	Level 1	NQF Level 01	3
Elective	10567	Transport personnel, material and equipment using Light Delivery Vehicle	Level 1	NQF Level 01	4
Elective	14092	Understand and apply technological knowledge and skills in systems and control	Level 1	NQF Level 01	3
Elective	13172	Understand the employer/employee relationship	Level 1	NQF Level 01	3
Elective	12878	Use and maintain Power Hand Tools on a construction Site	Level 1	NQF Level 01	5
Elective	119076	Use and maintain small plant and equipment on a construction site	Level 1	NQF Level 01	4
Elective	9964	Apply health and safety to a work area	Level 2	NQF Level 02	3
Elective	14554	Apply hot mix asphalt	Level 2	NQF Level 02	5

Elective	114917	Apply labour intensive construction methods to construct and maintain water and sanitation services	Level 2	NQF Level 02	8
Elective	114921	Apply labour intensive construction systems and techniques to work activities	Level 2	NQF Level 02	12
Elective	119065	Apply plaster and screeds to surfaces	Level 2	NQF Level 02	11
Elective	9986	Apply quality principles on a construction site	Level 2	NQF Level 02	12
Elective	9988	Apply surveying techniques on a construction contract	Level 2	NQF Level 02	10
Elective	116573	Assemble, tie and fix reinforcing cages	Level 2	NQF Level 02	3
Elective	14884	Build masonry superstructures using solid and hollow units	Level 2	NQF Level 02	12
Elective	119067	Build masonry superstructures using solid units	Level 2	NQF Level 02	12
Elective	14555	Conduct a bituminous seal operation	Level 2	NQF Level 02	5
Elective	14557	Conduct routine site tests to fresh and hardened concrete	Level 2	NQF Level 02	6
Elective	114219	Demonstrate an understanding and implement environmental initiatives on a construction activity	Level 2	NQF Level 02	4
Elective	113860	Demonstrate an understanding of the uses and safety aspect associated with flammable energy sources	Level 2	NQF Level 02	3
Elective	116051	Demonstrate fundamental knowledge of earthworks	Level 2	NQF Level 02	5
Elective	116162	Demonstrate knowledge of civil construction works	Level 2	NQF Level 02	5
Elective	116152	Demonstrate mechanical awareness and plant appreciation	Level 2	NQF Level 02	5
Elective	119074	Erect and dismantle scaffolding	Level 2	NQF Level 02	4
Elective	119041	Erect and strip steel formwork for straight walls, columns and bases	Level 2	NQF Level 02	8
Elective	119050	Erect ceilings and timber frame partitions	Level 2	NQF Level 02	18
Elective	119042	Erect, alter/reposition and dismantle access scaffolding	Level 2	NQF Level 02	13
Elective	119061	Erect, alter/reposition and dismantle load bearing scaffolding	Level 2	NQF Level 02	13
Elective	9966	Establish and prepare a work area	Level 2	NQF Level 02	4
Elective	119045	Fabricate, erect and strip timber formwork for straight walls, columns and bases	Level 2	NQF Level 02	8
Elective	10252	Identify, inspect, use, maintain and care for engineering hand tools	Level 2	NQF Level 02	6
Elective	14561	Implement roadside safety procedures	Level 2	NQF Level 02	2
Elective	119059	Install and maintain a below ground drainage system	Level 2	NQF Level 02	10
Elective	119062	Install and maintain a water supply system	Level 2	NQF Level 02	10
Elective	12899	Install and maintain road furniture	Level 2	NQF Level 02	2
Elective	119066	Install carpentry finishing components	Level 2	NQF Level 02	15

Elective	119077	Install control valves	Level 2	NQF Level 02	3
Elective	12903	Install precast concrete pipes	Level 2	NQF Level 02	5
Elective	119079	Install pressure pipes	Level 2	NQF Level 02	5
Elective	119068	Install roof covering	Level 2	NQF Level 02	12
Elective	119057	Install, test and maintain above ground drainage systems	Level 2	NQF Level 02	10
Elective	13958	Maintain and repair bituminous road surfaces	Level 2	NQF Level 02	8
Elective	119715	Maintain and repair un-surfaced road shoulders	Level 2	NQF Level 02	6
Elective	14336	Maintain records on a construction site	Level 2	NQF Level 02	2
Elective	12913	Mix and apply slurry (By mixer)	Level 2	NQF Level 02	4
Elective	116177	Operate a tractor	Level 2	NQF Level 02	6
Elective	8420	Operate in a team	Level 2	NQF Level 02	4
Elective	12905	Paint road symbols by spray gun	Level 2	NQF Level 02	1
Elective	119070	Prepare and apply tiles to plastered surfaces, and apply plaster and screeds to walls and floors	Level 2	NQF Level 02	11
Elective	119071	Prepare, manufacture and erect roof trusses	Level 2	NQF Level 02	15
Elective	119072	Prepare, prime and paint new and previously coated surfaces	Level 2	NQF Level 02	18
Elective	14054	Read and interpret construction drawings and specifications	Level 2	NQF Level 02	3
Elective	116578	Read and interpret reinforcing materials documentation	Level 2	NQF Level 02	3
Elective	9965	Render basic first aid	Level 2	NQF Level 02	3
Elective	14564	Repair concrete and segmented concrete (block) road surface	Level 2	NQF Level 02	4
Elective	10255	Select, use and care for power tools	Level 2	NQF Level 02	5
Elective	119075	Understand and describe basic plumbing principles	Level 2	NQF Level 02	8
Elective	14565	Use a concrete dumper to haul and dump material	Level 2	NQF Level 02	2
Elective	14566	Use a sideboom to lift, lower and carry material	Level 2	NQF Level 02	5
Elective	14567	Use a small self propelled compactor to compact material	Level 2	NQF Level 02	7
Elective	14568	Use a tractor to tow various construction implements and attachments	Level 2	NQF Level 02	7
Elective	12875	Use and maintain small plant and equipment on a construction site	Level 2	NQF Level 02	10
Elective	114916	Use labour intensive construction methods to construct and maintain roads and stormwater drainage	Level 2	NQF Level 02	8
Elective	114930	Use labour intensive construction methods to construct, repair and maintain structures	Level 2	NQF Level 02	8

Elective	15034	Work in confined spaces on construction sites	Level 2	NQF Level 02	2
Elective	116569	Operate and maintain a steel bending machine	Level 3	NQF Level 03	5
Elective	116566	Operate and maintain a steel cutting machine	Level 3	NQF Level 03	5