

ARTISAN CAREER PATH DEVELOPMENT

Phase 1

- Qualification Development

Phase 2

- Curriculum Development

Phase 3

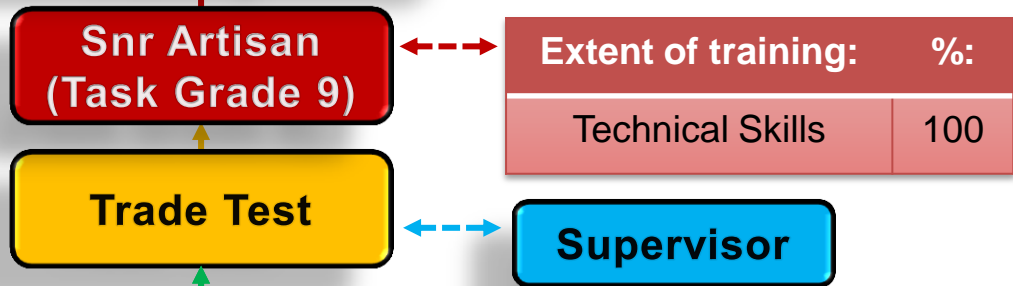
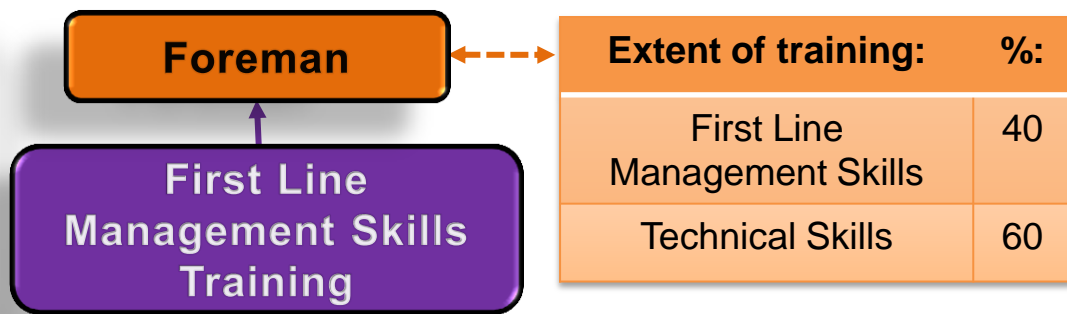
- Learning Material Development
- Consolidation

Phase 4

- Trade Test & LPR Development

CONSTRUCTION ARTISANS QUALIFICATION

- Entry level requires 1 of: *
1. Task Grade 4 Skills
 2. Grade 9 with Maths
 3. ABET Level 4
 4. NQF Level 1



Task Grade: Modules: NQF Level:



8 Core & Elective 4



6 Core 3



4 Foundation 2



1 - 4



Construction Artisan – ALL QUALIFICATIONS

1st Year – First Semester

General Modules

Personal Protective
Equipment

First Aid

Fire Fighting

Introduction to Environmental
Issues

Basic Work Modules

Introduction to OHS

Basic Calculations

Introduction to Drawings

Introduction to Basic Hand
Tools

Construction Quantities 1

Setting Out 1

Specific Work Modules

Construction Methods 1

Construction Material 1

Basic Scaffolding

Batch & Mix Concrete

NQF Level 2
Foundation Modules

1st Year – Second Semester

General Modules

Working at Heights and
Confined Spaces

Store, Transport and Handling
of Material, Aggregates and
Plant on a Construction Site

Basic Work Modules

Introduction to Quality

Advanced Calculations

Interpretation of Drawings

Construction Quantities 2

Setting Out 2

Power Tools

Specific Work Modules

Construction Methods 2

Construction Material 2

Concrete Technology

NQF Level 2
Foundation Modules

Construction Artisan - Roadworks

2nd Year						
NQF Level 3 Core Modules	Basic Work Modules	Specific Work Modules				
	Standard Specifications	Earthworks	Layerworks & Surfacing	Drainage	Peripheral Work	Signs & Markings
	Basic Construction Plant	Clearing & Grubbing	Pavement Layers	Trench Excavation & Shoring	Kerbs & Channels	Setting Out Centre Line
	Risk Assessments	Stockpile Topsoil	Stabilisation	Backfilling & Compaction	Guardrails	Spray Road Symbols
	Lift and Move Loads on a Construction Site	Plant Utilisation	Compaction	Concrete Pipes Level 1	Gabions	Road Signs
	Labour Intensive Construction	Laboratory Test Results	Laboratory Test Results	V-Drains	Stone Pitching	Traffic Control
				Concrete Testing		

Construction Artisan - Roadworks

3rd Year						
NQF Level 4 Core Modules	Basic Work Modules	Specific Work Modules				
		Earthworks	Layerworks & Surfacing	Drainage	Peripheral Work	Signs & Markings
	Basic Planning & Scheduling	Borrow Pits	Surfacing	Head & Wing Walls	Reno Mattresses	Road Studs
Basic Estimating & Daily Costing	Bulk Earthworks	Apply Hot Mix Asphalt	Manholes & Chambers	Fencing Level 1	Rumble Strips	
Daily Production Control	Plant Utilisation	Bituminous Seals	Culverts	Bank Protection 1	Setting Out Road Marking	
	Laboratory Test Results	Surface Repairs	Sub-Soil Drains	Road Furniture	Anti-Dazzle Screens	
		Laboratory Test Results		Paving		

Construction Artisan - STRUCTURES

		2nd Year			
		Specific Work Modules			
NQF Level 3 Core Modules	Basic Work Modules	Formwork	Reinforcing	Concrete	Steel
	Standard Specifications				
	Basic Construction Plant	Setting Out Formwork		Mix, Transport & Place Concrete	Introduction to Steel Structures
	Risk Assessments	Erect Formwork for Walls	Interpret Reinforcing Drawings	Compact, Cure & Finish Concrete	
	Lift and Move Loads on a Construction Site	Erect Formwork for Columns	Basic Steel Fixing	Reinforced Concrete	Assembling & Erecting Steel Structures
	Labour Intensive Construction	Erect Formwork for Beams & Slabs	Assemble & Tie Rebar Cages	Concrete Testing	

Construction Artisan - STRUCTURES

		3rd Year			
		Basic Work Modules	Specific Work Modules		
NQF Level 4 Core Modules		Formwork	Reinforcing	Concrete	Steel
	Basic Planning & Scheduling	Erect L-shaped Beams & Slabs	Assemble Rebar for Columns, Decks & Bases	Concrete Piling	Use Lifting Equipment
	Basic Estimating & Daily Costing	Purpose Made Formwork	Pre-stressing	Mass Concrete	Erect & Dismantle Scaffolding
	Daily Production Control	Erect Framework for Staircases	Post-stressing	Blinding Layers Specialised Concrete Repairs	Finish and Handover Structural Works

Construction Artisan – Drainage & Services

2nd Year					
NQF Level 3 Core Modules	Basic Work Modules	Specific Work Modules			
	Standard Specifications	Drainage Structures	Services	Environmental	Concrete
	Basic Construction Plant	Concrete Side Drains	Trench Excavation & Shoring	Retaining Ponds	Mix, Transport & Place Concrete
	Risk Assessments	Gravel Side Drains	Backfilling & Compaction	Erosion Protection	Reinforced Concrete
	Lift and Move Loads on a Construction Site	Mitre Drains	Water Distr. Lines	Protection of Vegetation	Compact, Cure & Finish Concrete
Labour Intensive Construction	Manholes	Main Water Supply Lines	Re-establishing Trees	Concrete Testing	
	Sub-Soil Drains	House Connection			

Construction Artisan – Drainage & Services

3rd Year					
NQF Level 4 Core Modules	Basic Work Modules	Specific Work Modules			
		Drainage Structures	Services	Environmental	Concrete
	Basic Planning & Scheduling	Cut-off Drains	Sewer Collection Lines		
Basic Estimating & Daily Costing	Box Culverts	Main Sewer Lines	Stormwater Management	Mass Concrete	
Daily Production Control	Pipe Culverts	House Connections	Planting Grass and other Vegetation	Blinding Layers	
	Kerb Inlets	Labour Intensive Construction - Services		Specialised Concrete Repairs	
	Stormwater Pipes				