



NATIONAL CERTIFICATE: CONSTRUCTION ROADWORKS

NQF



2

SAQA



24133

TRAINING DAYS



22

DURATION



12 months

CREDITS



120

SETA



CETA

AVAILABLE DELIVERY METHODOLOGY

Online



This course is not available online.

Instructor Led



100% Trainer led methodology in order for learners to achieve applied competence

Blended



Variety of learning methodologies used for learners to achieve applied competence

PURPOSE

This qualification is for persons who work or intend to work within a construction context on a site, and who seek recognition for essential skills in construction operations in roadworks.

Rules regarding Fundamental, Core and Electives:

- Fundamental unit standards totaling 59 credits.
- Core unit standards totaling 38 credits.
- Elective unit standards totaling a minimum of 23 credits.

ENTRY CRITERIA

- Communication at NQF Level 1.
- Mathematical Literacy at NQF Level 1.

SKILLS OUTCOMES

Core exit level outcomes:

- Identify and explain the role of different role players in the industry.
- Extract information from drawings and calculate quantities.
- Apply safety in all work processes.
- Records and maintain records all construction activities on site.
- Conduct general construction activities.
- Work in confined spaces.
- Implement roadside safety procedures.
- Identify describe and use materials in Civil Engineering Construction.
- Use and maintain small plant and equipment on a construction site.

Fundamental exit level outcomes:

- Show a critical awareness of language usage.
- Analyse and present information.
- Communicate appropriately to the purpose and situation.
- Use mathematics in the construction industry.
- Apply mathematical methods for different contexts.
- Apply algebraic notation and terminology appropriately.
- Read and use maps to enhance communication methods.
- Analyse cultural products in terms of shape, space and time.
- Calculate quantities.

Elective exit level outcomes (depending on the electives chosen):

- Apply hot mix asphalt.
- Apply productivity principles on a construction site.
- Batch and mix concrete buy volume.
- Conduct a bituminous seal operation.
- Erect fencing.
- Set out control point for center line and edge line marking for road.

MARKET INFORMATION

Target Market: Roadworker • Roadworker team leaders

Target Industries: Construction companies • Municipalities

For more information on how your organisation can benefit, contact Training Force:



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CONSTRUCTION

RESOURCE REQUIREMENTS

- Personal Protective Equipment (PPE)
- First Aid consumables
- Small plant equipment
- Bitumen, concrete, guard rails, fencing.
- Road marking equipment

GENERAL INFORMATION

Credit Accumulation Transfer (CAT): CAT exemption is only applicable to approved learners. Approved learners will have reduced contact days. Learners who do not meet with CAT requirements will need to complete all Clusters in full.

FISA Requirements: Final Integrated Summative Assessment is a requirement for the successful completion of this learnership.

Recognition of Prior Learning: RPL is not available for this qualification.

Cluster 1 Part 1 - Communication Skills - Credit Accumulation Transfer is applicable to the unit standards below:

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	12462	Engage in a range of speaking and listening interactions for a variety of purposes	6
Fundamental	12473	Identify and respond to selected literacy texts	5
Fundamental	12469	Read and respond to a range of text types	6
Fundamental	12470	Write for a variety of different purposes	6

Recommended training days for Cluster 1 is 4 days.

Cluster 1 Part 2 - Communication Skills - Credit Accumulation Transfer is applicable to the unit standards below:

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	8963	Access and use of information from texts.	5
Fundamental	8962	Maintain and adapt oral communications.	5
Fundamental	8967	Use language and communication in occupational learning programmes.	5
Fundamental	8964	Write for a defined context.	5

Recommended training days for Cluster 1 part 2 is 3 days.



CONSTRUCTION

Cluster 2 - Mathematical Literacy - Credit Accumulation Transfer is applicable to the unit standards below:

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate like related problems.	3
Fundamental	7480	Demonstrate understanding of rational and irrational numbers and numbers systems.	3
Fundamental	12444	Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in 2 dimensions in different life or workplace contexts.	3
Fundamental	7469	Use mathematics to investigate and monitor the financial aspects of personal and community life.	2
Fundamental	9007	Work with a range of patterns and functions and solve problems.	5

Recommended training days for Cluster 2 is 3 days.

Cluster 3 - Working safely in Construction

Outcome	SAQA ID	Name of Unit Standard	Credits
Core	14560	Handle, transport, store and utilize hazardous materials on a civil construction site.	5
Core	14561	Implement roadside safety procedures.	2
Core	9965	Render basic first aid.	3
Elective	9964	Apply health and safety to a work area.	3
Elective	9986	Apply quality principals on a construction site.	12

Recommended training days for Cluster 3 is 5 days.

Cluster 4 - Working on a Construction site

Outcome	SAQA ID	Name of Unit Standard	Credits
Core	9966	Establish and prepare a work area.	4
Core	13972	Identify, describe and use materials in civil engineering construction.	4
Core	14336	Maintain records on a construction site.	2
Core	15034	Work in confined spaces on construction sites.	2
Core	12875	Use and maintain small plant and equipment on construction site.	10

Recommended training days for Cluster 4 is 4 days.



CONSTRUCTION

Cluster 5 - Role players, Construction drawings and Bitumen road services

Outcome	SAQA ID	Name of Unit Standard	Credits
Core	13971	Describe and interpret the composition, role-players, processes and the construction industry.	3
Core	14054	Read and interpret construction drawings and specifications.	3
Elective	13958	Maintain and repair bituminous road surfaces.	8

Recommended training days for Cluster 5 is 3 days.