



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Maintain And Repair UN Surfaced Road Shoulders Training

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 119715 · NQF Level 2 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to maintain and repair unsurfaced road shoulders, ensuring safety and durability. It covers inspection, repair techniques, and compliance with industry standards. By the end, learners will be able to apply best practices for road shoulder maintenance in South African contexts.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	119715
Accreditation	SAQA Accredited · NQF Level 2 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate understanding of unsurfaced road shoulder maintenance principles and safety requirements.
- Apply inspection techniques to identify defects and determine repair needs on unsurfaced road shoulders.
- Implement appropriate repair methods for common shoulder defects such as erosion, rutting, and vegetation overgrowth.
- Evaluate the effectiveness of completed repairs and recommend further actions to ensure long-term stability.
- Comply with relevant occupational health and safety regulations during maintenance and repair activities.
- Maintain accurate records of maintenance and repair work performed on road shoulders.

WHO SHOULD ATTEND

- This course is designed for road maintenance workers, supervisors, and technicians involved in the upkeep of unsurfaced roads.
- It is also suitable for individuals seeking formal recognition of their skills in road infrastructure maintenance.

COURSE OUTLINE

Day 1: Introduction to Unsurfaced Road Shoulders and Maintenance Principles

- Overview of road shoulder functions and types.
- Common defects: erosion, rutting, vegetation overgrowth, and edge break.
- Factors causing shoulder deterioration: traffic, weather, drainage.
- Routine maintenance practices: grading, shaping, and vegetation control.
- Inspection procedures: visual assessment and measurement.
- Tools and equipment: graders, compactors, hand tools.
- Safety considerations when working near traffic.
- Introduction to relevant standards and regulations (e.g., SANS, COTO).

Day 2: Repair Techniques and Material Selection for Shoulder Maintenance

- Repair methods: re-grading, recompaction, and patching.
- Material selection: gravel, soil, stabilizers, and geotextiles.
- Drainage improvements: crossfalls, ditches, and culverts.
- Step-by-step repair procedures for edge breaks and ruts.
- Compaction techniques and testing (e.g., sand cone, nuclear gauge).
- Quality control: density, moisture content, and surface tolerance.
- Environmental considerations: dust suppression and erosion control.
- Practical exercise: performing a shoulder repair on a simulated defect.

Day 3: Advanced Maintenance Strategies, Safety, and Practical Application

- Developing maintenance schedules based on defect frequency and severity.
- Traffic management: signage, barriers, and flagging.
- Personal protective equipment (PPE) and safe work practices.
- Evaluating repair success: post-repair inspection and monitoring.
- Record keeping: inspection reports, work orders, and maintenance logs.
- Cost estimation and resource allocation for shoulder maintenance.
- Practical assessment: complete a shoulder maintenance task from inspection to repair.
- Review of unit standard outcomes and assessment criteria.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **6 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,900.00	R 17,900.00
1	In-House	R 23,300.00	R 23,300.00
1	On-Campus (Pretoria)	R 26,800.00	R 26,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	05 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	05 Aug 2026	On-Campus	Mauritius
04 Aug 2026	06 Aug 2026	On-Campus	Cape Town, South Africa
04 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
05 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
05 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Abu Dhabi, UAE
10 Aug 2026	12 Aug 2026	On-Campus	Cape Town, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 119715) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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