



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

Plan To Conduct Repair And Maintain Work On UN Surfaced Road Shoulders Training

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 119716 · NQF Level 3 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the competencies to plan, conduct, and oversee repair and maintenance activities on unsurfaced road shoulders. Participants will gain the skills to assess road shoulder conditions, implement appropriate repair techniques, and ensure compliance with safety and quality standards.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	119716
Accreditation	SAQA Accredited · NQF Level 3 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply appropriate planning techniques to schedule repair and maintenance work on unsurfaced road shoulders.
- Analyze road shoulder conditions to identify defects and determine required repair methods.
- Implement safe work procedures and control measures during repair and maintenance operations.
- Demonstrate the correct use of tools, equipment, and materials for unsurfaced road shoulder maintenance.
- Evaluate completed work against specified standards and quality requirements.
- Document work activities and prepare reports as per organizational procedures.

WHO SHOULD ATTEND

- This course is designed for road maintenance supervisors, foremen, and technicians responsible for planning and executing repair and maintenance work on unsurfaced road shoulders within municipal or contracting environments.

COURSE OUTLINE

Day 1: Introduction to Road Shoulder Maintenance and Safety

- Overview of road shoulder functions and classifications.
- Regulatory framework: OHS Act, SANS standards, and SAQA requirements.
- Personal protective equipment (PPE) and site safety protocols.
- Types of defects: erosion, rutting, potholes, and vegetation overgrowth.
- Causes of shoulder deterioration: traffic loads, water damage, and weather.
- Introduction to inspection checklists and documentation.

Day 2: Planning and Resource Management for Shoulder Maintenance

- Steps in planning: site assessment, prioritisation, and resource allocation.
- Material selection: gravel, sand, and stabilisers.
- Equipment types: graders, compactors, and hand tools.
- Labour roles and skills requirements.
- Traffic management plans: signage, barriers, and flagging.
- Risk assessment methodologies and documentation.
- Environmental considerations: drainage and erosion control.

Day 3: Repair Techniques for Unsurfaced Road Shoulders

- Repair methods for potholes, ruts, and washouts.
- Grading and shaping to achieve correct crossfall.
- Compaction techniques using rollers and plate compactors.
- Drainage solutions: ditches, culverts, and mitre drains.
- Vegetation control: clearing and grassing.
- Step-by-step repair procedures for typical defects.
- Quality checks: surface level, compaction density, and alignment.

Day 4: Routine Maintenance and Monitoring of Shoulders

- Routine tasks: blading, grading, and spot repairs.
- Inspection frequency and checklists.
- Monitoring for erosion, sediment buildup, and structural changes.
- Record-keeping: maintenance logs, defect reports, and photo documentation.
- Communication with supervisors and team coordination.
- Use of GPS and mobile apps for data collection.
- Preventive maintenance strategies.

Day 5: Integration, Quality Assurance, and Final Assessment

- Quality assurance: specifications, tolerances, and acceptance criteria.
- Final inspection techniques: level, compaction, and drainage checks.
- Team coordination and handover procedures.
- Simulated project: planning, execution, and reporting.
- Review of unit standard outcomes and evidence requirements.
- Assessment preparation: practical demonstration and theory review.
- Course evaluation and feedback.

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 **8 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 23,000.00	R 23,000.00
1	In-House	R 29,900.00	R 29,900.00
1	On-Campus (Pretoria)	R 34,500.00	R 34,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Mauritius
03 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
10 Aug 2026	14 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 119716) 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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