



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

Road Network Construction and Track Maintenance

Agriculture and Nature Conservation / Nature Conservation

Unit Standard 253963 · NQF Level 5 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the skills to construct paths and tracks while maintaining road networks in accordance with industry standards. It covers planning, construction techniques, and ongoing maintenance to ensure safe and durable infrastructure. Participants will gain practical knowledge applicable to both urban and rural settings.

Category	Agriculture and Nature Conservation
Subfield	Nature Conservation
Unit Standard	253963
Accreditation	SAQA Accredited · NQF Level 5 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Plan and prepare for the construction of paths/tracks and road network maintenance activities.
- Apply construction techniques to build paths/tracks according to specifications.
- Implement maintenance procedures to preserve road network integrity and safety.
- Demonstrate compliance with health, safety, and environmental regulations during construction and maintenance.
- Evaluate completed work for quality and adherence to project requirements.
- Use appropriate tools and equipment safely and effectively in construction and maintenance tasks.

WHO SHOULD ATTEND

- This course is designed for construction workers, road maintenance supervisors, and team leaders involved in path, track, and road network projects.
- It is also suitable for individuals seeking to formalize their skills in infrastructure construction and maintenance.

COURSE OUTLINE

Day 1: Fundamentals of Road Network Construction and Track Maintenance

- Introduction to road networks and track infrastructure.
- Types of roads: gravel, tar, concrete – characteristics and uses.
- Road construction sequence: clearing, grading, compaction, base and surface layers.
- Materials: aggregates, binders, and their quality requirements.
- Track maintenance: routine inspections, drainage, and vegetation control.
- Safety hazards and personal protective equipment (PPE) on site.
- Environmental impact: dust control, erosion prevention, and waste management.
- Quality control basics: compaction testing and material sampling.

Day 2: Advanced Techniques and Practical Application in Road and Track Works

- Advanced compaction techniques and equipment.
- Asphalt and concrete paving methods.
- Track repair: replacing sleepers, rails, and ballast.
- Drainage systems: culverts, ditches, and subsurface drains.
- Surveying for road and track: setting out curves and gradients.
- Reading construction drawings and bill of quantities.
- Equipment operation: graders, rollers, pavers, and tampers.
- Work planning and team coordination for efficient project delivery.

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 **5 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 16,200.00	R 16,200.00
1	In-House	R 21,000.00	R 21,000.00
1	On-Campus (Pretoria)	R 24,300.00	R 24,300.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	11 Aug 2026	On-Campus	Abu Dhabi, UAE
10 Aug 2026	11 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	11 Aug 2026	On-Campus	Mauritius
12 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	13 Aug 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	13 Aug 2026	On-Campus	Durban, South Africa
18 Aug 2026	19 Aug 2026	On-Campus	Shenzhen, China
18 Aug 2026	19 Aug 2026	On-Campus	Abu Dhabi, UAE

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 253963) 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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