



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

Trench Excavation and Shoring Installation

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 254061 · NQF Level 2 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to safely excavate trenches and install shoring systems in compliance with South African health and safety regulations. Participants will learn to assess soil conditions, select appropriate shoring methods, and implement control measures to prevent collapses and ensure worker safety.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	254061
Accreditation	SAQA Accredited · NQF Level 2 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply principles of soil mechanics to assess trench stability and determine shoring requirements.
- Demonstrate correct procedures for excavating a trench safely, including benching, battering, and use of protective systems.
- Install, inspect, and maintain shoring systems in accordance with manufacturer specifications and safety regulations.
- Analyze potential hazards in trenching operations and implement appropriate risk control measures.
- Evaluate the effectiveness of installed shoring and make adjustments to ensure ongoing stability.
- Comply with relevant South African legislation, including the Occupational Health and Safety Act and Construction Regulations.

WHO SHOULD ATTEND

- This course is designed for construction workers, site supervisors, and safety officers involved in trenching and excavation activities.
- It is also suitable for individuals seeking formal recognition of their skills in trench excavation and shoring installation.

COURSE OUTLINE

Day 1: Trench Excavation and Shoring Installation

- Introduction to trench excavation: definitions, hazards, and statistics.
- Legal framework: OHS Act, Construction Regulations, and SANS standards.
- Soil classification and testing methods (visual, manual, and mechanical).
- Shoring systems: timber, hydraulic, and mechanical; selection criteria.
- Installation procedures: sequence, bracing, and dewatering.
- Inspection and maintenance of shoring systems.
- Emergency response: collapse rescue, first aid, and communication.
- Practical demonstration and hands-on practice.

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 **4 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 12,800.00	R 12,800.00
1	In-House	R 16,600.00	R 16,600.00
1	On-Campus (Pretoria)	R 19,200.00	R 19,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
05 Aug 2026	05 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Mauritius
07 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	12 Aug 2026	On-Campus	Mauritius
13 Aug 2026	13 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 254061) 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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