



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

Coal Dust and Stone Dust Mixture Sampling Evaluation

Health Sciences and Social Services / Preventive Health

Unit Standard 259658 · NQF Level 2 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the skills to sample and evaluate mixtures of coal dust and stone dust in underground coal mines. It focuses on ensuring that stone dusting practices effectively inert coal dust to prevent explosions, thereby enhancing mine safety.

Category	Health Sciences and Social Services
Subfield	Preventive Health
Unit Standard	259658
Accreditation	SAQA Accredited · NQF Level 2 · 3 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Plan and prepare for coal dust and stone dust mixture sampling in accordance with mine safety procedures.
- Collect representative samples of the dust mixture using approved sampling methods and equipment.
- Analyze samples to determine the percentage of incombustible content using standard laboratory techniques.
- Evaluate sample results against regulatory standards and mine-specific inertization requirements.
- Document and report sampling results, including recommendations for corrective actions where necessary.
- Apply relevant health, safety, and environmental protocols during all sampling and evaluation activities.

WHO SHOULD ATTEND

- This course is designed for mine safety officers, ventilation officials, and dust sampling technicians working in underground coal mining operations.

COURSE OUTLINE

Day 1: Coal Dust and Stone Dust Mixture Sampling Evaluation

- Introduction to coal dust explosion hazards and stone dust inertization
- Regulatory framework: MHSA, SANS standards, and mine code of practice
- Sampling equipment and materials: scoops, bags, labels, and personal protective equipment
- Sampling strategies: locations (return airways, intake, zones), frequency, and grid patterns
- Sample collection procedure: surface vs. rib sampling, depth, and volume requirements
- Sample handling, storage, and transport to laboratory
- Interpretation of laboratory results: percentage incombustible content, particle size analysis
- Reporting and corrective actions: adjusting stone dust application rates, re-sampling protocols

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 **3 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 9,400.00	R 9,400.00
1	In-House	R 12,200.00	R 12,200.00
1	On-Campus (Pretoria)	R 14,100.00	R 14,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
21 Aug 2026	21 Aug 2026	On-Campus	Abu Dhabi, UAE
24 Aug 2026	24 Aug 2026	On-Campus	Shenzhen, China
25 Aug 2026	25 Aug 2026	On-Campus	Harare, Zimbabwe
26 Aug 2026	26 Aug 2026	On-Campus	Bangkok, Thailand
27 Aug 2026	27 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
27 Aug 2026	27 Aug 2026	On-Campus	Abu Dhabi, UAE
28 Aug 2026	28 Aug 2026	On-Campus	Durban, South Africa
31 Aug 2026	31 Aug 2026	On-Campus	Harare, Zimbabwe

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 259658) 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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