



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

Basic Underground Hard Rock Mining Processes And Layouts Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110417 · NQF Level 1 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with foundational knowledge of underground hard rock mining processes and layouts, focusing on safety, efficiency, and regulatory compliance. It covers essential mining methods, ventilation, support systems, and hazard identification to ensure a safe working environment.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110417
Accreditation	SAQA Accredited · NQF Level 1 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and describe the main types of underground hard rock mining methods and their applications.
- Explain the key components of underground mine layouts, including access ways, stopes, and ventilation systems.
- Apply basic principles of ground support and rock mechanics to ensure workplace safety.
- Demonstrate knowledge of ventilation requirements and dust control measures in underground environments.
- Evaluate potential hazards and implement appropriate safety procedures in accordance with South African mining regulations.

WHO SHOULD ATTEND

- The course is designed for entry-level miners, mining supervisors, and safety officers in the hard rock mining sector who require a basic understanding of underground operations.

COURSE OUTLINE

Day 1: Introduction to Underground Hard Rock Mining Processes and Layouts

- Overview of hard rock mining and its economic importance
- Key mining methods: stoping, cut-and-fill, sublevel caving
- Mine access: shafts, declines, and adits
- Underground layout: levels, raises, ore passes, and ventilation
- Primary equipment: drills, loaders, and haul trucks
- Safety protocols: ground support, ventilation, and emergency procedures

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 **2 NQF credits** at **NQF Level 1**.

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
03 Aug 2026	03 Aug 2026	On-Campus	Cape Town, South Africa
04 Aug 2026	04 Aug 2026	On-Campus	Dubai, UAE
05 Aug 2026	05 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	05 Aug 2026	On-Campus	Lagos, Nigeria
06 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
07 Aug 2026	07 Aug 2026	On-Campus	Mauritius
10 Aug 2026	10 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	11 Aug 2026	On-Campus	Pretoria, 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 110417) 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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