



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

Mining Process Effects on Support and Rock Mass

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 252774 · NQF Level 3 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with a comprehensive understanding of how drilling, blasting, and cleaning operations affect installed support systems and the surrounding rock mass in underground mining. Participants will learn to identify potential hazards, evaluate support integrity, and implement measures to maintain a safe working environment.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	252774
Accreditation	SAQA Accredited · NQF Level 3 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate an understanding of the effects of drilling, blasting, and cleaning on installed support types such as rock bolts, mesh, and shotcrete.
- Analyze the impact of mining processes on the stability and integrity of the surrounding rock mass.
- Evaluate the performance of installed support systems under dynamic loading from blasting and mechanical disturbance.
- Identify potential failure mechanisms in support and rock mass resulting from mining activities.
- Apply appropriate monitoring and inspection techniques to assess support condition and rock mass response.
- Implement corrective actions to mitigate adverse effects of mining processes on support and rock mass.

WHO SHOULD ATTEND

- This course is designed for mining personnel including miners, shift supervisors, rock mechanics technicians, and safety officers who are involved in or responsible for ground control and support installation in underground operations.

COURSE OUTLINE

Day 1: Mining Process Effects on Support and Rock Mass

- Introduction to rock mass classification and support systems
- Effects of blasting on rock mass integrity and support
- Stress redistribution due to excavation and its impact on rock mass
- Time-dependent behaviour of rock mass and support degradation
- Case studies: Common failures and mitigation strategies

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 3**.

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	Cape Town, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
07 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
07 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	10 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Mauritius
11 Aug 2026	11 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	12 Aug 2026	On-Campus	Dubai, 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 252774) 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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