



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

Break Rocks By Means Of Blasting Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 119099 · NQF Level 2 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely and effectively break rocks using blasting techniques in mining and quarrying operations. It covers the planning, preparation, execution, and post-blast procedures in compliance with relevant health and safety legislation.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	119099
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

- Apply relevant legislation and safety regulations to blasting operations.
- Demonstrate knowledge of explosive materials, initiation systems, and blasting accessories.
- Plan and prepare a blast site according to established procedures.
- Execute blasting operations safely and effectively.
- Inspect the blast area and manage misfires and other hazards.
- Maintain and complete required documentation and reports.

WHO SHOULD ATTEND

- This course is designed for blasting assistants, miners, and other personnel involved in drilling and blasting operations who require formal training in rock breaking by means of blasting.

COURSE OUTLINE

Day 1: Fundamentals of Rock Blasting Operations

- Overview of the Mine Health and Safety Act (MHSA) and relevant regulations
- Types of explosives: ANFO, emulsion, dynamite, and permitted explosives
- Initiation systems: detonators, detonating cord, and electronic blasting systems
- Blast design basics: burden, spacing, stemming, and timing
- Rock breakage mechanisms: compression, tension, and gas pressure
- Risk assessment: blast area security, flyrock control, and vibration monitoring
- Emergency procedures: evacuation, misfire protocol, and first aid

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 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 119099) 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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