Accredited Africa Training Institute for Capacity Development
Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa
Tel: +27 12 004 8389 · Mobile: +27 65 077 6310
Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Time Connect And Initiate A Blast Of A Development End Using Fuses And Igniter Cord Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 119101 · NQF Level 3 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely time, connect, and initiate a blast at a development end using fuses and igniter cord. It covers the principles of blast initiation, safety procedures, and legal requirements for conducting blasting operations in mining and construction environments.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	119101
Accreditation	SAQA Accredited · NQF Level 3 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Demonstrate the correct procedure for timing and connecting fuses and igniter cord to a development end blast.
- Apply safety protocols and legal requirements when handling explosives and initiating a blast.
- Evaluate the blast area to identify hazards and ensure compliance with site-specific safety standards.
- Implement emergency response procedures in the event of a misfire or blast-related incident.
- Analyze blast results to determine effectiveness and identify areas for improvement.

WHO SHOULD ATTEND

- This course is designed for blasting assistants, miners, and supervisors who are responsible for initiating blasts using fuses and igniter cord in underground or surface development ends.

COURSE OUTLINE

Day 1: **Foundations of Blast Initiation and Safety Protocols**

- Introduction to blasting operations and relevant legislation (MHSA, Explosives Act).
- Personal protective equipment (PPE) and safety procedures.
- Types of fuses (safety fuse, detonating cord) and igniter cord.
- Characteristics and handling requirements of explosive materials.
- Step-by-step connection of fuse to igniter cord and development end.
- Risk assessment and emergency response planning.
- Practical demonstration: connecting fuses and igniter cords under supervision.
- Documentation and record-keeping for blast initiation.

Day 2: **Practical Application and Integration of Blast Initiation Techniques**

- Review of Day 1 concepts and safety briefing.
- Timing and sequence of fuse ignition for optimal blast results.
- Hands-on practice: initiating a blast at a simulated development end.
- Misfire procedures and contingency planning.
- Team communication and roles during blast initiation.
- Post-blast inspection: checking for undetonated explosives and structural integrity.
- Reporting and documentation of blast results.
- Assessment of competency and feedback session.

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 **5 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 11,300.00	**R 11,300.00**
1	In-House	R 15,300.00	**R 15,300.00**
1	On-Campus (Pretoria)	R 17,000.00	**R 17,000.00**

UPCOMING SESSIONS

Start	End	Method	Venue
02 Dec 2026	03 Dec 2026	On-Campus	Mauritius
03 Dec 2026	04 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
03 Dec 2026	04 Dec 2026	On-Campus	Dar es Salaam, Tanzania
10 Dec 2026	11 Dec 2026	On-Campus	Bangkok, Thailand
10 Dec 2026	11 Dec 2026	On-Campus	Blantyre, Malawi
10 Dec 2026	11 Dec 2026	On-Campus	Nairobi, Kenya
10 Dec 2026	11 Dec 2026	On-Campus	Kinshasa, DRC
10 Dec 2026	11 Dec 2026	On-Campus	Johannesburg, South Africa

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 119101) and click **Get A Quotation**. 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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