



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

Antifoam Preparation In Metallurgical Plant Operations Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110396 · NQF Level 2 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips metallurgical plant operators and process technicians with the knowledge and skills to prepare and apply antifoam agents effectively in metallurgical processes. Participants will learn to identify foam-related problems, select appropriate antifoam formulations, and apply them safely to optimize plant efficiency and product quality.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110396
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 principles of foam formation and control in metallurgical processes
- Analyze foam-related problems and select appropriate antifoam agents
- Demonstrate safe handling and preparation of antifoam solutions according to standard operating procedures
- Implement antifoam addition strategies to optimize process efficiency
- Evaluate the effectiveness of antifoam treatment and adjust as necessary
- Comply with health, safety, and environmental regulations during antifoam preparation and application

WHO SHOULD ATTEND

- This course is designed for process operators, metallurgical technicians, and plant supervisors involved in metallurgical operations where foam control is critical.

COURSE OUTLINE

Day 1: Fundamentals of Antifoam in Metallurgical Processes

- Introduction to foam formation and its impact on metallurgical processes
- Types of antifoam agents: silicone-based, polyglycol-based, and others
- Factors influencing foam stability and antifoam effectiveness
- Selection criteria for antifoam agents based on process conditions
- Procedure for preparing antifoam stock solutions and dilutions
- Safety data sheets (SDS) interpretation and PPE requirements
- Storage, handling, and disposal of antifoam chemicals
- Quality control checks for antifoam concentration and dispersion

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
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
12 Aug 2026	12 Aug 2026	On-Campus	Abu Dhabi, 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 110396) 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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