



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

Process Equipment Setup and Operation in Production

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 259697 · NQF Level 3 · 36 Credits · 33 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to prepare, set up, and operate process equipment safely and efficiently in a production environment. It covers pre-start checks, startup procedures, monitoring, shutdown, and basic troubleshooting. Successful learners will be able to contribute to production targets while adhering to quality and safety standards.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	259697
Accreditation	SAQA Accredited · NQF Level 3 · 36 Credits
Duration	33 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the ability to prepare process equipment for operation by conducting pre-start checks and ensuring all safety and operational requirements are met.
- Apply correct startup and shutdown procedures for process equipment according to standard operating procedures and manufacturer specifications.
- Monitor process equipment during operation, recording key parameters and identifying deviations from normal operating conditions.
- Implement corrective actions within scope of authority when process deviations or minor faults occur, escalating complex issues appropriately.
- Evaluate the quality of output from process equipment against specified standards and make adjustments as required.
- Analyze workplace safety hazards associated with process equipment and apply relevant safety protocols, including lockout/tagout and PPE requirements.

WHO SHOULD ATTEND

- Production operators, machine setters, and team leaders in manufacturing, chemical, food processing, or similar industries who are responsible for setting up and operating process equipment.

COURSE OUTLINE

Day 1: Introduction to Process Equipment and Production Systems

- Overview of production systems
- Types of process equipment
- Basic safety principles in production
- Introduction to quality control
- Standard operating procedures (SOPs)

Day 2: Equipment Identification and Components

- Pumps, valves, and piping
- Heat exchangers and boilers
- Conveyors and material handling
- Tanks and vessels
- Equipment identification tags and labels

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 **36 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 94,700.00	R 94,700.00
1	In-House	R 123,100.00	R 123,100.00
1	On-Campus (Pretoria)	R 142,000.00	R 142,000.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	17 Sep 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	18 Sep 2026	On-Campus	Dubai, UAE
06 Aug 2026	21 Sep 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	21 Sep 2026	On-Campus	Lagos, Nigeria
07 Aug 2026	22 Sep 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	23 Sep 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	24 Sep 2026	On-Campus	Dubai, UAE
12 Aug 2026	25 Sep 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 259697) 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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