



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

Grape Mash Cooler Operation

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 259149 · NQF Level 3 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely and efficiently operate a grape mash cooler in a winemaking or juice production environment. Participants will understand the principles of cooling, equipment components, and operational procedures to maintain product quality and comply with workplace safety standards.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	259149
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 the correct start-up, operation, and shut-down procedures for a grape mash cooler.
- Apply workplace safety and hygiene protocols during cooler operation to prevent contamination and accidents.
- Monitor and adjust cooling parameters to maintain optimal mash temperature for quality preservation.
- Identify and troubleshoot common operational faults in the cooling system.
- Perform routine cleaning and basic maintenance tasks on the cooler according to standard operating procedures.
- Record operational data and report deviations to supervisors in line with quality management systems.

WHO SHOULD ATTEND

- This course is designed for production workers, cellar operators, and process technicians in the wine, juice, or beverage industry who are responsible for operating or maintaining grape mash cooling equipment.

COURSE OUTLINE

Day 1: Grape Mash Cooler Operation Fundamentals

- Overview of grape processing and the importance of cooling
- Types of mash coolers: plate, shell-and-tube, and rotary
- Main components: heat exchanger, pumps, valves, sensors
- Heat transfer principles and cooling medium selection
- Operating procedures: start-up, shutdown, and normal operation
- Temperature monitoring and control techniques
- Safety protocols: lockout/tagout, PPE, and hazard identification
- Basic troubleshooting and cleaning procedures

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
04 Aug 2026	04 Aug 2026	On-Campus	Mauritius
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

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 259149) 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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