



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 Destalking and Crushing Plant Operation

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 259158 · NQF Level 3 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the skills and knowledge required to operate a grape destalking and crushing plant in a winery or juice production facility. Learners will understand the mechanical processes, safety protocols, and quality control measures essential for efficient and safe plant operation.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	259158
Accreditation	SAQA Accredited · NQF Level 3 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the correct start-up, operation, and shutdown procedures for a grape destalking and crushing plant.
- Apply safety protocols and identify potential hazards associated with destalking and crushing equipment.
- Monitor plant performance and adjust parameters to maintain product quality and throughput.
- Evaluate the condition of grapes and detect defects or contamination during processing.
- Perform routine cleaning and basic maintenance tasks to ensure equipment hygiene and longevity.
- Record production data and report deviations from standard operating procedures.

WHO SHOULD ATTEND

- This course is intended for winery production workers, cellar hands, and process operators who are responsible for operating destalking and crushing equipment.
- It is also suitable for supervisors seeking to deepen their technical understanding of grape processing.

COURSE OUTLINE

Day 1: Introduction to Grape Destalking and Crushing

- Overview of the winemaking process and the role of destalking and crushing
- Anatomy of a grape: stems, skins, pulp, and seeds
- Types of destalking and crushing machines: centrifugal, roller, and combined units
- Key components: destemmer cage, crusher rollers, must pump, and controls
- Safety procedures: lockout/tagout, PPE, emergency stops
- Hygiene and cleaning protocols for equipment
- Factors affecting must quality: temperature, speed, and adjustment settings

Day 2: Operation and Adjustment of Destalking and Crushing Equipment

- Pre-start checks: inspection of belts, bearings, and guards
- Starting and stopping sequences
- Setting destemmer speed and crusher gap for white vs. red grapes
- Adjusting for overripe or underripe fruit
- Monitoring throughput and must quality
- Troubleshooting common issues: blockages, excessive stems, seed damage
- Recording operational data and quality observations

Day 3: Maintenance, Quality Control, and Practical Integration

- Daily cleaning procedures: flushing, sanitising, and inspection
- Lubrication and replacement of wear parts
- Quality control: assessing stem removal efficiency, berry breakage, and seed integrity
- Fault diagnosis: unusual noises, vibrations, and performance deviations
- Emergency procedures: spills, mechanical failure, and fire
- Documentation and reporting: logbooks and shift handover
- Simulated practical assessment: operate plant from start to finish

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 **6 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,900.00	R 17,900.00
1	In-House	R 23,300.00	R 23,300.00
1	On-Campus (Pretoria)	R 26,800.00	R 26,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	13 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	13 Aug 2026	On-Campus	Mauritius
12 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	19 Aug 2026	On-Campus	Shenzhen, China
17 Aug 2026	19 Aug 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 259158) 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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