



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

Wort Production for Beer Fermentation

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 259320 · NQF Level 3 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to produce wort for beer fermentation in a commercial brewing environment. It covers the entire wort production process from mashing to lautering, ensuring quality and consistency. The course also emphasizes safety, hygiene, and adherence to standard operating procedures.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	259320
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

- Apply standard operating procedures to prepare raw materials for wort production
- Demonstrate correct mashing techniques to achieve desired wort composition
- Implement lautering and sparging processes to separate wort from spent grain
- Analyze wort quality parameters and adjust processes to meet specifications
- Evaluate hygiene and safety practices during wort production to prevent contamination
- Design a wort production schedule based on fermentation requirements

WHO SHOULD ATTEND

- This course is designed for brewery production staff, aspiring brewers, and quality control technicians who are involved in or oversee the wort production process.
- It is ideal for individuals seeking formal recognition of their brewing skills in a South African context.

COURSE OUTLINE

Day 1: Fundamentals of Wort Production

- Overview of the brewing process and wort production
- Raw materials: malt types, adjuncts, hops, and water chemistry
- Mashing: enzymes, temperature rests, and conversion
- Lautering and sparging techniques
- Wort boiling: hop addition and isomerisation
- Wort clarification and cooling
- Importance of wort pH, gravity, and nutrient profile

Day 2: Wort Production Processes and Control

- Milling: types and effect on extract
- Mashing programmes: infusion, decoction, and step mashing
- Lautering: bed formation, run-off, and sparging optimisation
- Wort boiling: time, temperature, and hop utilisation
- Whirlpool and trub separation
- Wort cooling and aeration
- Quality control: pH, gravity, colour, bitterness, and clarity
- Process calculations: extract, efficiency, and losses

Day 3: Advanced Wort Production and Integration

- Wort production for different beer styles (lager, ale, stout)
- Adjunct handling and cereal mashing
- High-gravity brewing considerations
- Wort oxygen management and yeast health
- Cleaning and sanitation in wort production
- Safety: hot liquids, steam, and confined spaces
- Data interpretation: wort analysis and corrective actions
- Integration with fermentation: pitching rate and fermentation profile

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
03 Aug 2026	05 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	05 Aug 2026	On-Campus	Johannesburg, South Africa
04 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	06 Aug 2026	On-Campus	Mauritius
05 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Mauritius

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 259320) 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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