



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

Woodyard Operations Process Variables And Management Training

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 110038 · NQF Level 4 · 10 Credits · 7 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to manage woodyard operations effectively, focusing on process variables such as wood handling, debarking, chipping, and screening. Participants will learn to monitor and control key variables to optimize efficiency, quality, and safety in woodyard processes.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	110038
Accreditation	SAQA Accredited · NQF Level 4 · 10 Credits
Duration	7 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply principles of woodyard operations to manage process variables effectively.
- Analyze woodyard process variables to identify deviations and implement corrective actions.
- Evaluate the impact of process variables on product quality and operational efficiency.
- Design monitoring and control plans for key woodyard process variables.
- Implement safety and environmental management practices in woodyard operations.
- Demonstrate effective communication and reporting skills for woodyard process management.

WHO SHOULD ATTEND

- This course is designed for supervisors, team leaders, and operations managers in the forestry, timber, or pulp and paper industries who are responsible for woodyard operations.

COURSE OUTLINE

Day 1: Introduction to Woodyard Operations and Safety

- Overview of woodyard processes: receiving, storage, handling, and debarking.
- Safety standards (OHS Act, PPE, hazard identification).
- Introduction to woodyard equipment and machinery.
- Basic terminology and process flow diagrams.
- Environmental considerations and waste management.

Day 2: Wood Receiving and Quality Assessment

- Wood species identification and properties.
- Receiving procedures: weighbridge, sampling, and documentation.
- Quality parameters: density, moisture, bark content, defects.
- Measurement tools and instruments (moisture meters, callipers).
- Record keeping and reporting.

Day 3: Wood Storage and Inventory Management

- Storage methods: dry land, wet storage, and under cover.
- Inventory management systems: FIFO, LIFO, and barcoding.
- Preventing wood degradation: fungal decay, insect infestation, and checking.
- Stockpile management: stacking methods and space utilization.
- Safety in storage areas.

Day 4: Debarking and Chipping Operations

- Types of debarkers: drum, ring, and rosser head.
- Chipper types: disc, drum, and re-chippers.
- Process variables: feed rate, knife condition, screen size.
- Quality control: chip size distribution and bark content.
- Troubleshooting common issues.

Day 5: Material Handling and Conveying Systems

- Conveyor types: belt, screw, chain, and pneumatic.
- Transfer points and chute design.
- Speed control and load monitoring.
- Maintenance: belt tracking, lubrication, and wear monitoring.
- Safety features: guards, emergency stops, and interlocks.

Day 6: Process Control and Optimization

- Key performance indicators: throughput, yield, downtime.
- Control systems: PLCs, SCADA, and sensors.
- Process optimization techniques: bottleneck analysis, lean principles.
- Energy efficiency and waste reduction.
- Data logging and reporting.

Day 7: Integrated Woodyard Management and Practical Application

- Woodyard layout and workflow integration.
- Shift handover procedures and communication.
- Emergency response planning.
- Continuous improvement and best practices.

- Review and assessment.

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 **10 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 28,200.00	R 28,200.00
1	In-House	R 36,700.00	R 36,700.00
1	On-Campus (Pretoria)	R 42,300.00	R 42,300.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	12 Aug 2026	On-Campus	Dubai, UAE
05 Aug 2026	13 Aug 2026	On-Campus	Mauritius
06 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	14 Aug 2026	On-Campus	Lagos, Nigeria
07 Aug 2026	17 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	18 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	19 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	20 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 110038) 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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