



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

Equipment Material And Tools Operation Application Training

Culture and Arts / Performing Arts

Unit Standard 114516 · NQF Level 5 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips learners with the practical skills and theoretical knowledge required to safely and effectively operate equipment, handle materials, and apply tools in a workplace environment. It focuses on ensuring compliance with occupational health and safety standards while enhancing operational efficiency.

Category	Culture and Arts
Subfield	Performing Arts
Unit Standard	114516
Accreditation	SAQA Accredited · NQF Level 5 · 15 Credits
Duration	12 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply safe operating procedures for equipment, materials, and tools in accordance with manufacturer specifications and workplace policies.
- Demonstrate correct techniques for handling, storing, and disposing of materials to prevent damage and ensure safety.
- Analyze potential hazards associated with equipment, materials, and tools and implement appropriate risk control measures.
- Evaluate the condition of equipment and tools through pre-use inspections and report defects or malfunctions.
- Implement maintenance procedures to ensure equipment and tools remain in optimal working condition.
- Apply emergency response protocols in the event of accidents or equipment failure.

COURSE OUTLINE

Day 1: Introduction to Equipment, Materials, and Tools

- Overview of equipment, materials, and tools.
- Categories and classifications.
- Introduction to safety regulations (OHS Act, SANS standards).
- Importance of user manuals and technical documentation.
- Basic terminology and definitions.

Day 2: Safety Principles and Hazard Identification

- Safety principles and risk assessment.
- Hazard identification techniques.
- Types and proper use of PPE.
- Emergency response plans and first aid basics.
- Safe storage and handling of materials.

Day 3: Hand Tools – Identification and Safe Use

- Common hand tools: hammers, screwdrivers, wrenches, pliers, cutters.
- Selecting the right tool for the job.
- Safe operating procedures.
- Inspection and maintenance routines.
- Storage and organisation.

Day 4: Power Tools – Operation and Safety

- Types of power tools: drills, saws, grinders, sanders.
- Electrical safety and cord management.
- Setting up and adjusting tools.
- Operational techniques and best practices.
- Cleaning and minor repairs.

Day 5: Materials – Types, Properties, and Handling

- Material categories and common examples.
- Mechanical and physical properties.
- Material selection criteria.
- Storage conditions and shelf life.
- Inspection for damage or contamination.

Day 6: Measuring and Marking Tools – Accuracy and Precision

- Linear measurement tools.
- Precision instruments: callipers, micrometers, gauges.
- Marking tools: scribes, squares, levels.
- Unit conversions and tolerance interpretation.
- Calibration procedures and record keeping.

Day 7: Stationary and Heavy Equipment – Setup and Operation

- Types of stationary equipment.
- Machine setup and securing workpieces.
- Speed and feed adjustments.
- Cutting, drilling, and shaping operations.

- Emergency stop and lockout/tagout.

Day 8: Material Handling Equipment – Safe Operation

- Forklift types and controls.
- Hoists, cranes, and slings.
- Load capacity charts and safe working loads.
- Hand signals and communication.
- Inspection checklists and maintenance.

Day 9: Maintenance and Troubleshooting of Tools and Equipment

- Scheduled maintenance plans.
- Cleaning and lubrication methods.
- Troubleshooting common problems.
- Replacement of worn parts.
- Maintenance logs and documentation.

Day 10: Integration of Equipment, Materials, and Tools in Work Processes

- Work planning and sequencing.
- Resource allocation and scheduling.
- Team coordination and communication.
- Problem-solving in real-time.
- Continuous improvement principles.

Day 11: Quality Assurance and Compliance

- Quality control techniques.
- Inspection and testing methods.
- Standards compliance (ISO, SANS).
- Non-conformance reporting.
- Corrective and preventive actions.

Day 12: Practical Assessment and Course Review

- Practical assessment scenarios.
- Individual and group tasks.
- Review of safety and operational procedures.
- Q&A; session.
- Course evaluation and next steps.

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 **15 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 43,000.00	R 43,000.00
1	In-House	R 56,000.00	R 56,000.00
1	On-Campus (Pretoria)	R 64,600.00	R 64,600.00

UPCOMING SESSIONS

Start	End	Method	Venue
31 Jul 2026	17 Aug 2026	On-Campus	Mauritius
03 Aug 2026	18 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	19 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	19 Aug 2026	On-Campus	Lagos, Nigeria
05 Aug 2026	20 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	21 Aug 2026	On-Campus	Mauritius
07 Aug 2026	24 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	25 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 114516) 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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