



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

Moulded Component Assembly And Fitting Attachment Training

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 110290 · NQF Level 2 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the skills to assemble moulded components and attach fittings accurately and safely. It covers the application of relevant tools, techniques, and quality checks to ensure compliance with industry standards in a manufacturing or assembly environment.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	110290
Accreditation	SAQA Accredited · NQF Level 2 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply appropriate assembly techniques to join moulded components according to specifications.
- Demonstrate correct selection and use of tools and equipment for fitting attachment.
- Inspect assembled components for quality and conformance to standards.
- Identify and rectify common assembly defects and fitting issues.
- Implement safety procedures and housekeeping practices in the assembly area.

WHO SHOULD ATTEND

- This course is designed for production operators, assembly line workers, and technicians involved in moulded component assembly and fitting attachment within manufacturing or engineering sectors.

COURSE OUTLINE

Day 1: Introduction to Moulded Components and Assembly Principles

- Overview of moulded components (plastic, rubber, composite)
- Material properties and their impact on assembly
- Assembly methods: press-fit, snap-fit, adhesive bonding, fasteners
- Safety regulations and personal protective equipment (PPE)
- Quality control basics: tolerances, fits, and defects
- Introduction to work instructions and technical drawings
- Tools and equipment: jigs, fixtures, torque wrenches, gauges

Day 2: Assembly Techniques and Fitting Attachment Methods

- Detailed fitting attachment techniques: mechanical fasteners, adhesives, welding
- Use of jigs and fixtures for precision assembly
- Torque specifications and tightening sequences
- Inspection techniques: visual, dimensional, and functional checks
- Common defects: misalignment, warpage, cracks, incomplete bonding
- Corrective actions for assembly issues
- Record keeping and documentation

Day 3: Advanced Assembly, Quality Assurance, and Practical Integration

- Advanced assembly sequences for multi-component products
- Quality assurance processes: sampling plans, control charts
- Final inspection criteria and testing methods (e.g., pull tests, leak tests)
- Root cause analysis of assembly failures
- Continuous improvement principles (Kaizen, 5S)
- Teamwork and communication in assembly lines
- Course review and assessment preparation

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 2**.

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	Cape Town, South Africa
03 Aug 2026	05 Aug 2026	On-Campus	Lagos, Nigeria
04 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
05 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	07 Aug 2026	On-Campus	Mauritius
10 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Dubai, 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 110290) 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.

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 · WhatsApp: +27 65 077 6310 · apply@aaticd.co.za · www.aaticd.co.za