



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

Perform Basic Spray Painting Training

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 119737 · NQF Level 2 · 10 Credits · 7 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to perform basic spray painting safely and effectively. It covers surface preparation, spray equipment setup, application techniques, and post-painting procedures in line with industry standards.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	119737
Accreditation	SAQA Accredited · NQF Level 2 · 10 Credits
Duration	7 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Prepare surfaces and materials for spray painting according to specifications.
- Set up and operate spray painting equipment correctly and safely.
- Apply spray paint coatings using appropriate techniques to achieve a uniform finish.
- Demonstrate safe handling and storage of paints, thinners, and related chemicals.
- Inspect painted surfaces for defects and apply corrective measures as needed.
- Implement basic maintenance procedures for spray painting equipment.

WHO SHOULD ATTEND

- This course is designed for entry-level painters, artisans, and maintenance staff who need to apply spray painting as part of their job functions in manufacturing, automotive, or construction environments.

COURSE OUTLINE

Day 1: Introduction to Spray Painting and Safety

- Overview of spray painting in the South African context.
- Introduction to the unit standard and course outcomes.
- Health and safety legislation (OHS Act, SANS codes).
- Types of PPE: respirators, gloves, goggles, coveralls.
- Workplace hazards: fumes, flammable materials, noise.
- Fire safety: extinguishers, storage of combustibles.
- Emergency procedures and first aid basics.

Day 2: Spray Painting Equipment and Setup

- Types of spray guns: HVLP, conventional, airless.
- Parts of a spray gun: nozzle, needle, air cap, fluid tip.
- Compressed air systems: compressors, regulators, filters.
- Setting up the spray booth: ventilation, lighting, cleanliness.
- Adjusting air pressure and fluid flow.
- Cleaning procedures for spray guns.
- Routine maintenance: lubrication, seal replacement.

Day 3: Paint Materials and Preparation

- Types of paints: solvent-based, water-based, two-pack.
- Paint components: pigments, binders, solvents, additives.
- Mixing ratios and viscosity measurement.
- Using a viscosity cup and adjusting consistency.
- Surface preparation: degreasing, sanding grades.
- Masking techniques: tape, paper, plastic.
- Primer application and importance.

Day 4: Basic Spray Techniques

- Gun distance from surface: 15-25 cm.
- Stroke speed and overlap (50% overlap).
- Triggering technique: start/stop off the edge.
- Fan pattern adjustment and testing.
- Applying primer, basecoat, and clearcoat.
- Common defects: runs, sags, orange peel, dry spray.
- Troubleshooting: causes and corrective actions.

Day 5: Advanced Techniques and Special Effects

- Metallic paints: orientation and even distribution.
- Pearl and iridescent finishes: layering.
- Two-tone painting: masking for sharp lines.
- Fade and gradient techniques.
- Clearcoat blending for repairs.
- Painting edges, corners, and recessed areas.
- Avoiding mottling and shadowing.

Day 6: Quality Control and Defect Rectification

- Inspection techniques: visual, touch, gloss meter.
- Common defects: fisheyes, blistering, chalking, cracking.
- Causes: contamination, incorrect mixing, environmental.
- Spot repair process: sanding, feathering, repainting.
- Blending clearcoat into existing finish.
- Polishing compounds and buffing techniques.
- Final quality checks and standards.

Day 7: Practical Integration and Assessment

- Project: paint a panel or object following all steps.
- Time management and workflow planning.
- Assessment: practical task and oral questioning.
- Portfolio of evidence collection.
- Review of key learning points.
- Feedback session and areas for improvement.
- Course closure and certification guidance.

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 2**.

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
03 Aug 2026	11 Aug 2026	On-Campus	Johannesburg, South Africa
04 Aug 2026	12 Aug 2026	On-Campus	Mauritius
05 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
06 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
07 Aug 2026	17 Aug 2026	On-Campus	Pretoria, South Africa
07 Aug 2026	17 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	18 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	18 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 119737) 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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