



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

Crane Industry Skills And Knowledge Requirements Training

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 115900 · NQF Level 2 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the comprehensive skills and knowledge required to operate, manage, and maintain cranes safely and efficiently within the crane industry. It covers regulatory compliance, risk assessment, and best practices for crane operations in South African contexts. Participants will gain the competencies needed to ensure workplace safety and operational excellence.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	115900
Accreditation	SAQA Accredited · NQF Level 2 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant legislation, standards, and codes of practice governing crane operations in South Africa.
- Analyze crane load charts and calculate safe working loads for various configurations.
- Evaluate workplace hazards and implement appropriate risk control measures during crane operations.
- Demonstrate proper pre-operational inspection procedures and routine maintenance of cranes.
- Implement safe lifting techniques and communication protocols for crane teams.
- Design a basic lift plan incorporating site conditions, crane selection, and safety factors.

WHO SHOULD ATTEND

- This course is designed for crane operators, riggers, supervisors, and safety officers in the construction, mining, and industrial sectors.
- It is also suitable for individuals seeking to enter the crane industry or enhance their existing skills.

COURSE OUTLINE

Day 1: Foundational Knowledge and Regulatory Framework

- Introduction to SAQA unit standard 115900 and the National Qualifications Framework (NQF).
- Occupational Health and Safety Act (OHSA) and relevant regulations.
- Types of cranes: mobile, overhead, tower, and gantry cranes.
- Crane components: boom, jib, hoist, trolley, and load handling devices.
- Operator duties, responsibilities, and pre-operational checks.
- Safety systems: load moment indicators, limit switches, and anti-two block devices.
- Personal protective equipment (PPE) and site safety protocols.
- Basic load calculations and load charts interpretation.

Day 2: Practical Operations, Risk Management, and Assessment

- Pre-lift planning: lift plan development and communication.
- Hand signals and radio communication protocols.
- Safe lifting techniques: slinging, balancing, and load control.
- Hazard identification and risk assessment (HIRA) for crane operations.
- Emergency procedures: power failure, load swing, and equipment malfunction.
- Daily inspections, lubrication, and basic troubleshooting.
- Practical workshop: simulated crane operations and load handling.
- Summative assessment: written test and practical evaluation.

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 **5 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 15,400.00	R 15,400.00
1	In-House	R 20,000.00	R 20,000.00
1	On-Campus (Pretoria)	R 23,100.00	R 23,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	05 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	05 Aug 2026	On-Campus	Cape Town, South Africa
04 Aug 2026	05 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	07 Aug 2026	On-Campus	Mauritius
06 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	11 Aug 2026	On-Campus	Mauritius
10 Aug 2026	11 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 115900) 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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