



## 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 Safety

Custom Courses / Health, Safety and Environment (HSE)

Unit Standard AATICD-0319 · NQF Level 5 · 10 Credits · 5 Days

## COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely operate, inspect, and maintain cranes in accordance with South African health and safety regulations. It emphasizes hazard identification, risk assessment, and compliance with the Occupational Health and Safety Act. The course aims to reduce workplace accidents and promote a culture of safety.

|                 |                                            |
|-----------------|--------------------------------------------|
| Category        | Custom Courses                             |
| Subfield        | Health, Safety and Environment (HSE)       |
| Unit Standard   | AATICD-0319                                |
| Accreditation   | SAQA Accredited · NQF Level 5 · 10 Credits |
| Duration        | 5 days                                     |
| Training Method | Online, On-Campus, In-House                |
| Certificate     | Issued via AATICD LMS – verifiable online  |

## LEARNING OUTCOMES

- Apply relevant legislation and industry standards governing crane operations.
- Demonstrate safe crane operating procedures, including pre-use inspections and load handling.
- Analyze potential hazards and implement effective risk control measures.
- Evaluate crane stability and load capacity to prevent overloading and tipping.
- Implement emergency response procedures in the event of crane incidents.
- Demonstrate proper communication and signaling techniques during lifting operations.

## WHO SHOULD ATTEND

- This course is designed for crane operators, riggers, site supervisors, and health and safety officers who are involved in lifting operations.
- It is also suitable for individuals seeking to enter the crane operation field and require foundational safety training.

## COURSE OUTLINE

### Day 1: Introduction to Crane Safety and Legal Framework

- Overview of crane types and applications
- Legal requirements: OHS Act, Driven Machinery Regulations, SANS codes
- Duties of the competent person, operator, and rigger
- Safety management systems and documentation
- Common causes of crane accidents and prevention
- Introduction to risk assessment

### Day 2: Crane Components, Inspection, and Maintenance

- Crane anatomy: boom, jib, hoist, wire ropes, sheaves, hooks
- Wire rope inspection and discard criteria
- Pre-use and periodic inspections
- Maintenance schedules and record keeping
- Hydraulic and electrical systems overview
- Safety devices: limit switches, overload protection, anti-two-block
- Defect reporting and corrective actions

### Day 3: Load Handling, Rigging, and Signaling

- Load charts and capacity ratings
- Factors affecting crane capacity (radius, angle, boom length)
- Rigging hardware: slings, shackles, hooks, eyebolts
- Sling angles and load stress
- Hand signals and radio communication
- Lift planning: lift zones, ground conditions, and weather
- Common rigging errors and prevention

### Day 4: Crane Operations, Risk Assessment, and Emergency Procedures

- Lift planning process: site assessment, crane selection, and setup
- Risk assessment methodology (HIRA)
- Permit-to-work systems
- Safe operating procedures (SOPs) for crane operations
- Emergency response: load drop, power failure, fire, and medical emergencies
- Communication and coordination with ground personnel
- Case studies of crane incidents and lessons learned

### Day 5: Practical Application, Assessment, and Continuous Improvement

- Practical demonstration: crane pre-use inspection
- Load chart interpretation exercises
- Rigging and signaling practice
- Conducting a mock lift
- Emergency response simulation
- Written and practical assessments
- Review of course outcomes and feedback
- Developing a personal action plan for workplace safety

## 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 5**.

## PRICING (PER DELEGATE, EX-VAT)

| Delegates | Training Method      | Price per Delegate | Total              |
|-----------|----------------------|--------------------|--------------------|
| 1         | Online               | R 17,700.00        | <b>R 17,700.00</b> |
| 1         | In-House             | R 23,100.00        | <b>R 23,100.00</b> |
| 1         | On-Campus (Pretoria) | R 26,700.00        | <b>R 26,700.00</b> |

## UPCOMING SESSIONS

| Start       | End         | Method    | Venue             |
|-------------|-------------|-----------|-------------------|
| 05 Oct 2026 | 09 Oct 2026 | On-Campus | Kigali, Rwanda    |
| 05 Oct 2026 | 09 Oct 2026 | On-Campus | Bangkok, Thailand |
| 05 Oct 2026 | 09 Oct 2026 | On-Campus | Lusaka, Zambia    |
| 05 Oct 2026 | 09 Oct 2026 | Online    | —                 |
| 05 Oct 2026 | 09 Oct 2026 | On-Campus | Windhoek, Namibia |
| 05 Oct 2026 | 09 Oct 2026 | On-Campus | Nairobi, Kenya    |
| 05 Oct 2026 | 09 Oct 2026 | On-Campus | Mbabane, Eswatini |
| 12 Oct 2026 | 16 Oct 2026 | On-Campus | London, UK        |

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](http://www.aaticd.co.za), open the page for this course (Unit Standard AATICD-0319) 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](mailto: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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