



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

Skid Steer Loader Operation And Safety Training

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 116210 · NQF Level 2 · 16 Credits · 13 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills required to safely operate a skid steer loader in a construction or industrial environment. Participants will understand the machine's controls, maintenance requirements, and safety protocols to prevent accidents and comply with South African health and safety regulations.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	116210
Accreditation	SAQA Accredited · NQF Level 2 · 16 Credits
Duration	13 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the ability to conduct pre-operational checks and identify potential hazards on a skid steer loader.
- Apply safe operating procedures, including start-up, maneuvering, and shutdown of the machine.
- Analyze worksite conditions and assess risks to ensure safe operation in various environments.
- Evaluate load capacities and stability limits to prevent tipping or overloading.
- Implement emergency shutdown procedures and respond to common operational malfunctions.
- Perform routine maintenance tasks and record inspections as per manufacturer guidelines.

WHO SHOULD ATTEND

- This training is designed for construction workers, plant operators, and site supervisors who need to operate or oversee the use of skid steer loaders.
- It is also suitable for individuals seeking to obtain a competency certificate for operating heavy machinery.

COURSE OUTLINE

Day 1: Introduction to Skid Steer Loaders and Safety

- Overview of skid steer loader types and uses
- Main components: engine, hydraulic system, tires/tracks, attachment plate
- Operator controls: joysticks, pedals, switches, gauges
- Safety regulations: OHS Act, construction regulations, site safety
- Personal protective equipment (PPE) and pre-start checks

Day 2: Pre-Operational Checks and Maintenance

- Pre-start inspection checklist
- Engine oil, hydraulic fluid, coolant, fuel levels
- Battery, belts, filters, and warning lights
- Tyre pressure and tread wear; track tension adjustment
- Daily logbook entries and defect reporting procedures

Day 3: Controls Familiarization and Basic Maneuvering

- Start-up sequence: seatbelt, parking brake, engine start
- ISO and H-pattern control layouts
- Forward, reverse, and pivot turns
- Lift arm and bucket control (raise, lower, dump, curl)
- Stopping distance and reaction time

Day 4: Operating on Level Ground

- Straight-line driving and steering coordination
- Figure-8 and serpentine maneuvers
- Bucket leveling and ground engagement
- Loading loose material and dumping into piles
- Speed control and avoiding sudden movements

Day 5: Working on Slopes and Uneven Terrain

- Centre of gravity and stability triangle
- Climbing and descending slopes: bucket position
- Traversing slopes: low center of gravity
- Load shift effects on stability
- Emergency procedures for tip-ups

Day 6: Loading and Dumping Techniques

- Stockpile management: V-notch and ramp approaches
- Bucket penetration and curl timing
- Truck loading: side and rear dump positioning
- Hopper dumping: height and placement
- Cycle time optimization

Day 7: Trenching and Excavation with Attachments

- Quick coupler operation and safety
- Attachment types: trenching bucket, auger, grapple
- Trenching technique: grade control and spoil placement
- Backfilling and compaction basics

- Hydraulic flow and pressure settings

Day 8: Material Handling and Grapple Operations

- Grapple types: root, scrap, log grapple
- Picking and carrying odd-shaped loads
- Pallet forks: fork spacing and tilt
- Load stability: center of gravity and securement
- Rated operating capacity (ROC) and load charts

Day 9: Site Safety and Hazard Awareness

- Overhead power line safety (minimum distances)
- Excavation edge protection and trench safety
- Pedestrian exclusion zones and spotters
- Hand signals and two-way radio communication
- Emergency shutdown and evacuation procedures

Day 10: Advanced Maneuvering and Tight Spaces

- Zero tail swing vs conventional machines
- Tight turning techniques: counter-rotation
- Obstacle course navigation
- Fine grading with bucket float and tilt
- Backfilling around structures

Day 11: Loading onto Trailers and Transport

- Trailer capacity and ramp angle
- Loading uphill/downhill techniques
- Tie-down points and rated capacity
- Chain and binder application (4-point method)
- Overwidth/overheight permits and signage

Day 12: Daily and Post-Operational Maintenance

- End-of-shift checklist: clean, inspect, park
- Greasing schedule and zerk fittings
- Air filter cleaning/replacement
- Hydraulic hose inspection for wear
- Battery maintenance and jump-start procedures

Day 13: Integrated Practical Assessment and Review

- Simulated worksite: multiple tasks, hazards, and attachments
- Pre-start inspection and defect reporting
- Loading and dumping cycle with accuracy
- Emergency response scenario
- Final assessment: practical and theory

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 **16 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 43,500.00	R 43,500.00
1	In-House	R 56,600.00	R 56,600.00
1	On-Campus (Pretoria)	R 65,200.00	R 65,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	19 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	19 Aug 2026	On-Campus	Lagos, Nigeria
04 Aug 2026	20 Aug 2026	On-Campus	Johannesburg, South Africa
05 Aug 2026	21 Aug 2026	On-Campus	Mauritius
06 Aug 2026	24 Aug 2026	On-Campus	Cape Town, South Africa
07 Aug 2026	25 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	26 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	27 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 116210) 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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