



## 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

# Rope Access Equipment Selection & Rigging

Services / Cleaning, Domestic, Hiring, Property and Rescue Services

Unit Standard 229997 · NQF Level 4 · 6 Credits · 3 Days

## COURSE OVERVIEW

This course equips learners with the knowledge and skills to select appropriate rope access equipment and rig ropes safely and effectively. It covers equipment inspection, selection criteria, and rigging techniques compliant with South African standards and international best practices. By the end, learners will be able to set up and manage rope access systems for industrial projects.

|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Category        | Services                                                 |
| Subfield        | Cleaning, Domestic, Hiring, Property and Rescue Services |
| Unit Standard   | 229997                                                   |
| Accreditation   | SAQA Accredited · NQF Level 4 · 6 Credits                |
| Duration        | 3 days                                                   |
| Training Method | Online, On-Campus, In-House                              |
| Certificate     | Issued via AATICD LMS – verifiable online                |

## LEARNING OUTCOMES

- Select rope access equipment based on task requirements and manufacturer specifications.
- Inspect and evaluate equipment for compliance with safety standards and serviceability.
- Rig ropes for rope access systems using correct knots, anchors, and tensioning techniques.
- Apply load calculations and safety factors to rigging configurations.
- Demonstrate safe work practices and emergency procedures during rigging operations.
- Document equipment selection and rigging processes for audit and compliance purposes.

## WHO SHOULD ATTEND

- This course is designed for rope access technicians, supervisors, and safety officers working in industrial settings such as construction, mining, and maintenance.
- It is also suitable for individuals seeking to formalize their rope access rigging skills.

## COURSE OUTLINE

### Day 1: Rope Access Equipment Fundamentals and Standards

- Introduction to rope access and regulatory framework (OHS Act, SANS 100190).
- Types of ropes: static, semi-static, and dynamic – construction, characteristics, and uses.
- Harnesses: full-body, sit, and chest harnesses – selection criteria and fitting.
- Connectors: carabiners, maillons, and quick-links – grades, markings, and inspection.
- Descenders and ascenders: types, applications, and compatibility.
- Fall arrest systems: lanyards, shock absorbers, and energy absorbers.
- Equipment marking, traceability, and lifespan management.
- Pre-use inspection procedures and record-keeping.

### Day 2: Rigging Principles and Equipment Selection

- Rigging physics: load angles, vector forces, and safety margins.
- Anchor systems: natural, structural, and artificial anchors – strengths and limitations.
- Rigging configurations: Y-hang, re-anchor, load-sharing, and redirects.
- Equipment selection matrices: matching equipment to task, environment, and load.
- Edge protection: types, installation, and inspection.
- Rope management: storage, coiling, and protection from environmental damage.
- Common rigging mistakes: cross-loading, improper knot selection, and incorrect attachments.
- Documentation and risk assessment for rigging plans.

### Day 3: Advanced Rigging, Rescue Systems, and Practical Integration

- Advanced anchor systems: tensioned lines, highline, and rope-grab systems.
- Rescue equipment selection: stretchers, pulleys, and mechanical advantage systems.
- Hauling and lowering systems: efficiency, friction, and control.
- Equipment compatibility for rescue vs. work positioning.
- Inspection and retirement criteria for used equipment.
- Developing a site-specific equipment selection and rigging plan.
- Emergency procedures: dealing with damaged equipment and system failure.
- Review of case studies: rigging failures and best practices.

## 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 4**.

## 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                   |
|-------------|-------------|-----------|-------------------------|
| 10 Aug 2026 | 12 Aug 2026 | On-Campus | Durban, South Africa    |
| 10 Aug 2026 | 12 Aug 2026 | On-Campus | Pretoria, South Africa  |
| 10 Aug 2026 | 12 Aug 2026 | On-Campus | Cape Town, South Africa |
| 12 Aug 2026 | 14 Aug 2026 | On-Campus | Abu Dhabi, UAE          |
| 12 Aug 2026 | 14 Aug 2026 | On-Campus | Dubai, UAE              |
| 12 Aug 2026 | 14 Aug 2026 | On-Campus | Mauritius               |
| 17 Aug 2026 | 19 Aug 2026 | On-Campus | Dubai, UAE              |
| 17 Aug 2026 | 19 Aug 2026 | On-Campus | Abu Dhabi, 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](http://www.aaticd.co.za), open the page for this course (Unit Standard 229997) 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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