



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

Fibre Rope Wire Rope And Chain Handling On Vessels Training

Services / Transport, Operations and Logistics

Unit Standard 113995 · NQF Level 3 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips maritime personnel with the skills to safely handle, inspect, and maintain fibre rope, wire rope, and chain on vessels. It covers correct procedures for slinging, lifting, and securing loads, ensuring compliance with safety regulations and reducing the risk of accidents.

Category	Services
Subfield	Transport, Operations and Logistics
Unit Standard	113995
Accreditation	SAQA Accredited · NQF Level 3 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply correct techniques for handling, coiling, and storing fibre rope, wire rope, and chain.
- Demonstrate proper inspection methods to identify wear, damage, or defects in ropes and chains.
- Evaluate load capacities and select appropriate rope or chain for specific lifting or mooring tasks.
- Implement safe slinging and hitching procedures for various loads.
- Analyze hazards associated with rope and chain use and apply control measures.
- Demonstrate emergency procedures for rope or chain failure during operations.

WHO SHOULD ATTEND

- Deck crew, riggers, and marine supervisors working on vessels who handle lifting and mooring equipment.
- Also suitable for safety officers and maintenance personnel involved in rope and chain inspection.

COURSE OUTLINE

Day 1: Introduction to Fibre Rope, Wire Rope and Chain

- Overview of fibre rope types (natural and synthetic)
- Wire rope construction and classifications
- Chain grades and applications
- Properties: strength, flexibility, durability
- Common defects: wear, corrosion, kinking
- Storage and maintenance basics
- Safety regulations (e.g., SAQA, OSHA)
- Inspection criteria and documentation

Day 2: Inspection and Maintenance Procedures

- Inspection frequency and procedures
- Visual inspection techniques
- Measuring wear and elongation
- Lubrication of wire rope and chain
- Cleaning and drying fibre rope
- Discard criteria for each type
- Record keeping and reporting
- Case studies of failure due to poor maintenance

Day 3: Safe Handling and Operational Practices

- Safe lifting angles and sling configurations
- Knots, bends and hitches for fibre rope
- Splices for wire rope and fibre rope
- Terminations: thimbles, shackles, hooks
- Calculating SWL and safety factors
- Effects of dynamic loading
- Personal protective equipment (PPE)
- Emergency procedures for rope failure

Day 4: Advanced Applications and Specialised Equipment

- Mooring lines and towing hawsers
- Winch and capstan operation
- Heavy lift rigging: multi-part tackles
- Chain stoppers and tensioning devices
- Specialised equipment: gantries, cranes
- Vessel-specific handling procedures
- Risk assessment for complex operations
- Logging and certification requirements

Day 5: Integration, Assessment and Practical Exam

- Review of key concepts and common mistakes
- Practical scenarios: mooring, towing, lifting
- Team coordination and communication
- Final practical assessment
- Feedback and debrief

- Certification requirements
- Resources for ongoing learning
- Course 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 **8 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 23,000.00	R 23,000.00
1	In-House	R 29,900.00	R 29,900.00
1	On-Campus (Pretoria)	R 34,500.00	R 34,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
10 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	21 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	21 Aug 2026	On-Campus	Pretoria, South Africa

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 113995) 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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