



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

Discharge Product From Vessel Training

Services / Transport, Operations and Logistics

Unit Standard 119845 · NQF Level 4 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills required to safely and efficiently discharge product from a vessel in a petrochemical or industrial environment. It covers pre-discharge preparations, operational procedures, emergency response, and compliance with relevant safety regulations.

Category	Services
Subfield	Transport, Operations and Logistics
Unit Standard	119845
Accreditation	SAQA Accredited · NQF Level 4 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate understanding of vessel discharge procedures and safety protocols.
- Apply pre-discharge checks and prepare equipment for product transfer.
- Implement proper communication and coordination with vessel and shore personnel.
- Analyze potential hazards and apply risk mitigation measures during discharge.
- Evaluate emergency response procedures and execute appropriate actions.
- Complete post-discharge procedures and documentation accurately.

WHO SHOULD ATTEND

- This course is designed for operators, technicians, and supervisors involved in the loading or discharging of vessels in the petroleum, chemical, or bulk liquid industries.

COURSE OUTLINE

Day 1: Introduction to Vessel Discharge Operations

- Overview of maritime logistics and supply chain.
- SAQA unit standard 119845 scope and outcomes.
- Legislation: SAMSA, Ports Act, and environmental regulations.
- Safety induction: PPE, emergency procedures, and risk assessment.
- Roles: ship crew, terminal operators, stevedores, and surveyors.
- Types of cargo: bulk, break-bulk, containers, and liquid.
- Basic stowage principles and cargo securing.
- Pre-discharge documentation: cargo manifest, stowage plan, and port clearance.

Day 2: Planning and Preparation for Discharge

- Berth allocation and mooring arrangements.
- Draft surveys and cargo calculations.
- Stability assessment: free surface effect, weight distribution, and shear forces.
- Equipment: cranes, conveyors, pumps, and hoses.
- Pre-discharge meetings and toolbox talks.
- Communication protocols: radio, hand signals, and electronic systems.
- Weather constraints and tidal considerations.
- Emergency response plans specific to cargo type.

Day 3: Execution of Discharge Operations

- Discharge techniques for bulk solids: grabs, conveyors, and pneumatic systems.
- Discharge techniques for liquid cargo: pumping, manifold connections, and vapor recovery.
- Break-bulk discharge: slinging, lifting, and stowing on quay.
- Container discharge: spreader operation and stacking.
- Cargo inspection: damaged cargo, contamination, and quality checks.
- Spill containment procedures for hazardous materials.
- Tallying and draft survey reconciliation.
- Incident reporting and corrective actions during operations.

Day 4: Post-Discharge Procedures and Documentation

- Final draft survey and outturn report.
- Cargo discrepancy analysis and claims preparation.
- Bill of lading endorsements and delivery orders.
- Vessel inspection: hull, tanks, holds, and equipment.
- Cleaning and gas-freeing procedures for hazardous cargo.
- Port clearance and departure formalities.
- Dispute resolution: surveys, arbitration, and insurance.
- Record keeping and archiving for regulatory compliance.

Day 5: Advanced Applications and Assessment

- Simulated discharge exercise: planning, execution, and debrief.
- Performance metrics: turnaround time, damage rate, and safety incidents.
- Root cause analysis of common operational issues.
- Environmental best practices: ballast water management, waste disposal.
- Emerging technologies: automation, remote monitoring, digital documentation.

- Review of unit standard 119845 assessment criteria.
- Written and practical assessment.
- Feedback session and certification.

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 4**.

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 119845) 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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