



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

Demonstrate An Understanding Of Ships And Related Functions Training

Services / Transport, Operations and Logistics

Unit Standard 119846 · NQF Level 4 · 7 Credits · 4 Days

COURSE OVERVIEW

This course provides learners with a foundational understanding of ships and related functions, including types of vessels, maritime operations, and the roles and responsibilities of crew members. It is designed to equip individuals with the knowledge required to work effectively in maritime environments or support roles within the shipping industry.

Category	Services
Subfield	Transport, Operations and Logistics
Unit Standard	119846
Accreditation	SAQA Accredited · NQF Level 4 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and describe the main types of ships and their primary functions.
- Explain the roles and responsibilities of key crew members aboard a vessel.
- Demonstrate knowledge of basic ship terminology and layout.
- Describe the principles of ship stability and safety procedures.
- Analyze the relationship between ship operations and port logistics.
- Apply understanding of maritime regulations and environmental considerations.

WHO SHOULD ATTEND

- This course is ideal for new entrants to the maritime industry, logistics and supply chain professionals, port authority staff, and anyone seeking to understand basic ship functions and operations.

COURSE OUTLINE

Day 1: Introduction to Ships and Maritime Functions

- Overview of the maritime industry and its importance to trade and economy.
- Types of ships: cargo vessels, tankers, passenger ships, and specialised vessels.
- Ship anatomy: hull, superstructure, decks, compartments, and propulsion systems.
- Key maritime terminology: port, starboard, bow, stern, draft, displacement.
- Shipboard organisation: captain, deck officers, engineering crew, and support staff.
- Ship registration and flag states: purpose and requirements.
- Introduction to international maritime regulations (SOLAS, MARPOL).
- Case studies: examples of ships in South African ports.

Day 2: Ship Operations and Cargo Handling

- Ship stability: centre of gravity, metacentric height, and stability curves.
- Cargo types: break bulk, containerised, bulk liquid, and hazardous materials.
- Cargo handling gear: cranes, conveyors, pumps, and ramps.
- Navigation basics: charts, GPS, radar, and electronic navigation aids.
- Communication systems: VHF, satellite, and distress signals (GMDSS).
- Safety equipment: lifeboats, life rafts, firefighting systems, and PPE.
- Emergency procedures: abandon ship, fire drills, and man overboard.
- Port operations: pilotage, tugboats, mooring, and berthing.

Day 3: Maritime Law, Safety, and Environmental Protection

- International Maritime Organization (IMO) and key conventions.
- SOLAS (Safety of Life at Sea) and MARPOL (Marine Pollution).
- South African maritime legislation: Merchant Shipping Act and regulations.
- SAMSA functions: ship registration, inspections, and certification.
- Environmental protection: ballast water management, oil spill response.
- Safety management: ISM Code, safety plans, and audits.
- Crew training: STCW (Standards of Training, Certification and Watchkeeping).
- Port state control and flag state responsibilities.

Day 4: Practical Applications and Career Pathways

- Practical exercise: vessel familiarisation using ship diagrams and models.
- Case study analysis: maritime accidents and their causes (e.g., grounding, collision).
- Career pathways: deck officer, marine engineer, port operator, maritime law.
- Training institutions in South Africa: SAMSA-approved courses and cadetships.
- Emerging trends: automation, green shipping, and digitalisation.
- Group activity: planning a ship's voyage including cargo, route, and safety.
- Assessment: written test and practical demonstration.
- Course review and Q&A; session.

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 **7 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 20,500.00	R 20,500.00
1	In-House	R 26,600.00	R 26,600.00
1	On-Campus (Pretoria)	R 30,800.00	R 30,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	06 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Mauritius
03 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
11 Aug 2026	14 Aug 2026	On-Campus	Mauritius
11 Aug 2026	14 Aug 2026	On-Campus	Cape Town, 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 119846) 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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