



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

Main Deck Freighter Aircraft Handling and Operation

Physical, Mathematical, Computer and Life Sciences / Physical Sciences

Unit Standard 261199 · NQF Level 3 · 7 Credits · 4 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely and efficiently handle and operate main deck freighter aircraft. It covers loading and unloading procedures, weight and balance calculations, and compliance with aviation safety regulations. Successful delegates will be able to perform these tasks in accordance with industry standards.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Physical Sciences
Unit Standard	261199
Accreditation	SAQA Accredited · NQF Level 3 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply safety procedures and regulations for main deck freighter aircraft operations.
- Demonstrate correct loading and unloading techniques for various cargo types.
- Calculate weight and balance to ensure aircraft stability and compliance.
- Implement emergency response protocols for cargo-related incidents.
- Evaluate cargo securing methods to prevent shifting during flight.
- Analyze operational risks and implement control measures.

WHO SHOULD ATTEND

- This course is designed for ground operations staff, cargo handlers, and aviation professionals involved in the loading and unloading of main deck freighter aircraft.
- It is also suitable for supervisors and managers overseeing cargo operations.

COURSE OUTLINE

Day 1: Introduction to Main Deck Freighter Operations

- Overview of SAQA unit standard 261199 and course outcomes
- Regulatory bodies: SACAA, ICAO, IATA
- Types of main deck freighters: B747F, B777F, MD-11F, A330F
- Aircraft dimensions, door configurations, and cargo compartment layouts
- Ground handling personnel: Ramp agents, loadmasters, ground handlers
- Weight and balance fundamentals: Basic Operating Weight, Payload, Zero Fuel Weight
- Safety first: Hazard identification and risk assessment
- Emergency procedures and communication protocols

Day 2: Cargo Loading Systems and Equipment

- ULD types: PMC, P6P, AKE, and special containers
- Main deck loading systems: powered rollers, casters, locks, and restraints
- Ground support equipment: main deck loader, K-loader, transporter dollies
- Pre-load inspection of ULDs and equipment
- Load distribution principles: floor loading limits, balance
- Center of gravity calculations and trim adjustments
- Cargo securing: nets, straps, chains, and edge protectors
- Handling special cargo: live animals, dangerous goods, oversized items

Day 3: Loading Procedures and Safety Management

- Loading sequence: bulk vs. palletized, priority cargo
- Communication procedures: hand signals, radios, intercom
- Load planning software and documentation: load sheet, NOTOC
- Pre-departure checks: door operation, lock verification, safety walk
- Emergency response: load shift, fire in cargo hold, dangerous goods incidents
- Safety management systems: hazard reporting, safety culture
- Human factors: fatigue, stress, communication errors
- Case studies of main deck loading incidents

Day 4: Practical Integration and Assessment

- Recap and integration of all previous topics
- Simulated loading exercise: planning, execution, and debrief
- Weight and balance calculation drill
- Documentation workshop: load sheet, NOTOC, cargo manifest
- Practical assessment: loading sequence, safety checks, communication
- Theory assessment: multiple-choice and scenario-based questions
- Feedback session and course evaluation
- Certification requirements and continuing professional development

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 3**.

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

No sessions are currently scheduled. Please contact us to arrange a session at a time and location that suits your team.

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 261199) 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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