



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

Aeroplane Take-Offs, Landings and Go-Arounds

Physical, Mathematical, Computer and Life Sciences / Physical Sciences

Unit Standard 243326 · NQF Level 5 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips pilots with the essential skills and knowledge to safely perform aeroplane take-offs, landings, and go-arounds. It focuses on standard operating procedures, decision-making, and handling of abnormal situations to ensure flight safety.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Physical Sciences
Unit Standard	243326
Accreditation	SAQA Accredited · NQF Level 5 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate correct procedures for normal and crosswind take-offs.
- Apply appropriate techniques for normal, short-field, and soft-field landings.
- Execute go-around procedures safely and decisively when necessary.
- Analyze factors affecting take-off and landing performance, including weight, balance, and environmental conditions.
- Evaluate and manage risks associated with take-off, landing, and go-around phases.
- Implement emergency procedures related to rejected take-offs and aborted landings.

WHO SHOULD ATTEND

- This course is designed for student pilots, licensed pilots seeking refresher training, and aviation professionals involved in flight operations.

COURSE OUTLINE

Day 1: Introduction to Take-Off Principles

- Aerodynamic principles: lift, thrust, drag, weight
- Take-off speeds: V_1 , V_r , V_2
- Factors affecting take-off performance: weight, altitude, temperature, runway conditions
- Pre-take-off checks and briefings
- Normal take-off procedures
- Take-off distance calculations

Day 2: Take-Off Techniques and Rejected Take-Offs

- Normal take-off technique
- Crosswind take-off technique
- Rejected take-off: decision-making and actions
- Short-field and soft-field take-off techniques
- Use of take-off performance charts
- Crew resource management (CRM) during take-off

Day 3: Landing Principles and Normal Landings

- Aerodynamics of landing: approach, flare, touchdown
- Landing speeds: V_{ref} , V_{at}
- Factors affecting landing: weight, wind, runway conditions
- Normal landing procedure
- Visual approach techniques
- Flare and touchdown fundamentals

Day 4: Advanced Landing Techniques and Go-Arounds

- Crosswind landing technique
- Short-field and soft-field landings
- Go-around: initiation, procedures, and considerations
- Landing emergencies: engine failure, wind shear
- Stabilised approach concept
- Landing in adverse weather

Day 5: Integrated Operations and Performance Management

- Integrated take-off, landing, and go-around scenarios
- Performance management: weight and balance, runway analysis
- Decision-making exercises: rejected take-off, go-around
- Crew coordination and communication
- Scenario-based training
- Debriefing and performance assessment

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 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 24,200.00	R 24,200.00
1	In-House	R 31,400.00	R 31,400.00
1	On-Campus (Pretoria)	R 36,200.00	R 36,200.00

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 243326) 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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