



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Helicopter Take-Offs, Air Taxi, Hovering, Landings and Go-Arounds

Physical, Mathematical, Computer and Life Sciences / Physical Sciences

Unit Standard 243756 · NQF Level 5 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the skills and knowledge to safely perform helicopter take-offs, air taxi, hovering, landings, and go-arounds. It focuses on developing precise aircraft control, situational awareness, and adherence to aviation safety standards essential for professional helicopter operations.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Physical Sciences
Unit Standard	243756
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 helicopter take-offs in various wind and load conditions.
- Apply air taxi techniques to manoeuvre the helicopter safely at low altitude.
- Perform hovering manoeuvres with precise control of altitude, heading, and position.
- Execute landing procedures including normal, steep approach, and confined area landings.
- Implement go-around procedures to abort a landing safely and transition to a climb.
- Analyze environmental factors such as wind, obstacles, and density altitude to adjust manoeuvres accordingly.

WHO SHOULD ATTEND

- Aspiring and current helicopter pilots seeking to obtain or renew their license, as well as flight instructors and aviation professionals requiring competency in basic helicopter manoeuvres.

COURSE OUTLINE

Day 1: Introduction to Helicopter Aerodynamics and Pre-Flight Checks

- Principles of helicopter flight: lift, thrust, drag, weight.
- Main rotor system and tail rotor function.
- Flight controls: cyclic, collective, anti-torque pedals, throttle.
- Pre-flight inspection procedures.
- Cockpit familiarisation and start-up checks.
- Safety procedures and emergency equipment.
- Hover performance factors: density altitude, weight, wind.

Day 2: Hovering Techniques and Air Taxi Operations

- Hovering in ground effect (IGE) and out of ground effect (OGE).
- Hover taxi: forward, sideways, and rearward.
- Air taxi: low-level flight at reduced speed.
- Pedal turns and spot turns.
- Correcting for wind drift and maintaining position.
- Common hover errors and corrective actions.

Day 3: Take-Offs and Departure Procedures

- Normal take-off: from hover to forward flight.
- Maximum performance take-off: obstacle clearance.
- Rolling take-off: from ground taxi to flight.
- Crosswind and downwind take-offs.
- Rejected take-off procedures.
- Departure profiles and noise abatement.

Day 4: Approach and Landing Techniques

- Normal approach: deceleration and touchdown.
- Steep approach: high descent rate landing.
- Autorotative landing: power-off descent and touchdown.
- Slope landings: uphill and downhill.
- Confined area landings: obstacle avoidance.
- Go-around: from low hover and during approach.

Day 5: Go-Arounds, Emergency Procedures, and Integrated Flight

- Go-around from hover, approach, and landing flare.
- Engine failure during take-off and hover.
- Tail rotor failure and loss of tail rotor effectiveness (LTE).
- Hydraulic failure and control binding.
- Integrated flight: take-off, air taxi, hover, landing, go-around.
- Simulated solo flight and instructor debrief.

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 243756) 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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