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

Navigate An Aircraft In Visual Meteorological Conditions Training

Law, Military Science and Security / Safety in Society

Unit Standard 120146 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips pilots with the knowledge and skills to navigate an aircraft safely and efficiently under Visual Meteorological Conditions (VMC). It covers flight planning, map reading, terrain interpretation, and adherence to airspace regulations, ensuring competent visual navigation in South African airspace.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	120146
Accreditation	SAQA Accredited · NQF Level 5 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply visual navigation techniques to plan and execute a cross-country flight under VMC.
- Analyze weather conditions and terrain features to make informed navigational decisions.
- Evaluate aircraft position using visual references and dead reckoning.
- Demonstrate adherence to airspace regulations and communication procedures during visual navigation.
- Implement emergency procedures related to loss of visual references or navigational errors.
- Design a flight log and navigation plan for a VMC route, including fuel calculations and alternate airports.

WHO SHOULD ATTEND

- This course is designed for student pilots, private pilots, and commercial pilots who need to master visual navigation techniques for safe flight operations in VMC.

COURSE OUTLINE

Day 1: **Principles of Visual Navigation and Flight Planning**

- Overview of VMC and VFR flight rules
- Introduction to aeronautical charts (VNC, WAC) and chart symbols
- Airspace classifications and VFR requirements
- Flight planning procedures: route selection, waypoints, and fuel calculations
- Use of navigation logs and flight planning forms
- Basic dead reckoning and pilotage techniques
- Weather briefing and interpretation for VFR flights

Day 2: **Navigation Techniques and In-Flight Procedures**

- Advanced pilotage: using landmarks, roads, and rivers for navigation
- Dead reckoning: correcting for wind drift and calculating groundspeed
- Use of radio navigation aids: NDB bearings, VOR radials
- Position fixing techniques: cross bearings and running fixes
- Lost procedures and diversion planning
- Communication requirements for VFR flights
- In-flight re-planning and weather avoidance

Day 3: **Advanced Navigation, Emergency Procedures, and Practical Integration**

- Integrated navigation exercise: planning and simulated execution of a cross-country flight
- Emergency procedures: lost procedures, forced landing site selection, and communication
- Navigation in challenging conditions: low visibility, mountainous terrain, coastal areas
- Use of GPS and moving map displays in VFR navigation
- Human factors in navigation: decision-making, fatigue, and situational awareness
- Post-flight debrief and navigation log analysis
- Assessment of navigation skills and corrective actions

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 **6 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 18,800.00	**R 18,800.00**
1	In-House	R 24,500.00	**R 24,500.00**
1	On-Campus (Pretoria)	R 28,100.00	**R 28,100.00**

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	12 Aug 2026	On-Campus	Abu Dhabi, UAE
10 Aug 2026	12 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	13 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	19 Aug 2026	On-Campus	Durban, South Africa
17 Aug 2026	19 Aug 2026	On-Campus	Dubai, UAE

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 120146) 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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