



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

Manage In Flight Medical Emergencies Training

Physical, Mathematical, Computer and Life Sciences / Physical Sciences

Unit Standard 119083 · NQF Level 4 · 11 Credits · 8 Days

COURSE OVERVIEW

This course equips aviation crew members with the knowledge and skills to effectively manage in-flight medical emergencies. It covers recognition, assessment, and response to common medical events, ensuring passenger and crew safety until professional medical help is available.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Physical Sciences
Unit Standard	119083
Accreditation	SAQA Accredited · NQF Level 4 · 11 Credits
Duration	8 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply appropriate first aid procedures for common in-flight medical emergencies such as cardiac events, allergic reactions, and respiratory distress.
- Analyze symptoms and signs of medical conditions to determine the severity and required intervention.
- Evaluate the use of onboard medical equipment, including automated external defibrillators (AEDs) and emergency medical kits.
- Demonstrate effective communication with ground-based medical support and crew coordination during an emergency.
- Implement infection control measures and maintain personal safety while providing care.
- Design an emergency response plan for a simulated in-flight medical scenario.

WHO SHOULD ATTEND

- This course is designed for airline cabin crew, flight attendants, and aviation personnel who are responsible for passenger safety and emergency response during flights.

COURSE OUTLINE

Day 1: Introduction to In-Flight Medical Emergencies and Legal Framework

- Overview of in-flight medical emergencies: statistics and common scenarios
- Regulatory framework: SACAA, ICAO, and international aviation law
- Liability, Good Samaritan laws, and medical malpractice considerations
- Roles of cabin crew, flight deck, and ground-based medical support
- Documentation: Medical Incident Report forms and record-keeping
- Crew resource management principles during medical events

Day 2: Human Physiology and Environmental Factors at Altitude

- Cabin pressurisation and partial pressure of oxygen
- Hypoxia: types, stages, and recognition
- Gas laws (Boyle's, Dalton's) and their clinical implications
- Barotrauma: ear, sinus, and dental issues
- Effects of altitude on cardiovascular, respiratory, and gastrointestinal systems
- Pre-existing conditions: diabetes, asthma, epilepsy, and pregnancy
- Jet lag, dehydration, and immobility risks

Day 3: Assessment and Triage of the Ill or Injured Passenger

- Primary survey: ABCDE approach adapted for aircraft
- Secondary survey: focused history and physical exam
- Vital signs: pulse, respiratory rate, blood pressure, oxygen saturation
- Use of automated external defibrillator (AED) and basic monitoring
- Triage principles: START system for multiple casualties
- Communicating with ground-based medical services (e.g., MedLink)
- Documentation of assessment findings

Day 4: Management of Common Medical Emergencies – Cardiac and Respiratory

- Cardiac arrest: BLS algorithm, CPR technique, and AED use
- Acute coronary syndrome: recognition, aspirin, and nitroglycerin
- Anaphylaxis: recognition, epinephrine auto-injector, and airway management
- Asthma and COPD exacerbations: bronchodilators and oxygen
- Pulmonary embolism and hyperventilation syndrome
- Oxygen delivery systems: masks, cannulas, and non-rebreather
- Emergency medical kit contents and medication administration

Day 5: Management of Common Medical Emergencies – Neurological, Gastrointestinal, and Infectious

- Stroke: FAST assessment, positioning, and care
- Seizures: first aid, airway protection, and post-ictal care
- Syncope and near-syncope: causes and management
- Gastrointestinal issues: motion sickness, gastroenteritis, and food poisoning
- Diabetic emergencies: glucose monitoring, oral glucose, and glucagon
- Infection control: universal precautions, isolation, and PPE
- Psychiatric emergencies: panic attacks, agitation, and restraint considerations

Day 6: Trauma, Burns, and Environmental Emergencies

- Trauma assessment and management: haemorrhage control, splinting

- Burns: thermal, chemical, electrical – assessment and first aid
- Hypothermia: recognition, passive and active rewarming
- Heat-related illness: heat exhaustion and heatstroke
- Drowning and aspiration: rescue breathing and oxygen
- Spinal immobilisation and log roll technique
- Evacuation and transport of injured passengers

Day 7: Special Populations and Advanced Life Support Considerations

- Paediatric emergencies: assessment, CPR modifications, and common conditions
- Geriatric considerations: polypharmacy, frailty, and cognitive impairment
- Obstetric emergencies: pregnancy complications and in-flight delivery
- Passengers with disabilities: communication and mobility aids
- Advanced life support: defibrillation, advanced airway, and IV access
- Medical control consultation: MedLink and radio communication
- Diversion decision-making: criteria, crew coordination, and landing preparation

Day 8: Practical Scenarios, Simulation, and Final Assessment

- Full-mission simulation: cardiac arrest, anaphylaxis, trauma, and multiple patients
- Debriefing and feedback on team performance
- Practical skills stations: CPR, AED, oxygen, splinting, epinephrine auto-injector
- Written examination: multiple-choice and short-answer questions
- Case study presentations and group discussions
- Course evaluation and action planning for continuous improvement

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 **11 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 30,700.00	R 30,700.00
1	In-House	R 39,900.00	R 39,900.00
1	On-Campus (Pretoria)	R 46,000.00	R 46,000.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
05 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	14 Aug 2026	On-Campus	Lagos, Nigeria
06 Aug 2026	17 Aug 2026	On-Campus	Johannesburg, South Africa
07 Aug 2026	18 Aug 2026	On-Campus	Mauritius
10 Aug 2026	19 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	20 Aug 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	21 Aug 2026	On-Campus	Abu Dhabi, 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 119083) 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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