The ATNS Aviation Training Academy
Shaping the minds of tomorrow

AIR TRAFFIC & NAVIGATION SERVICES

AT NS

Index
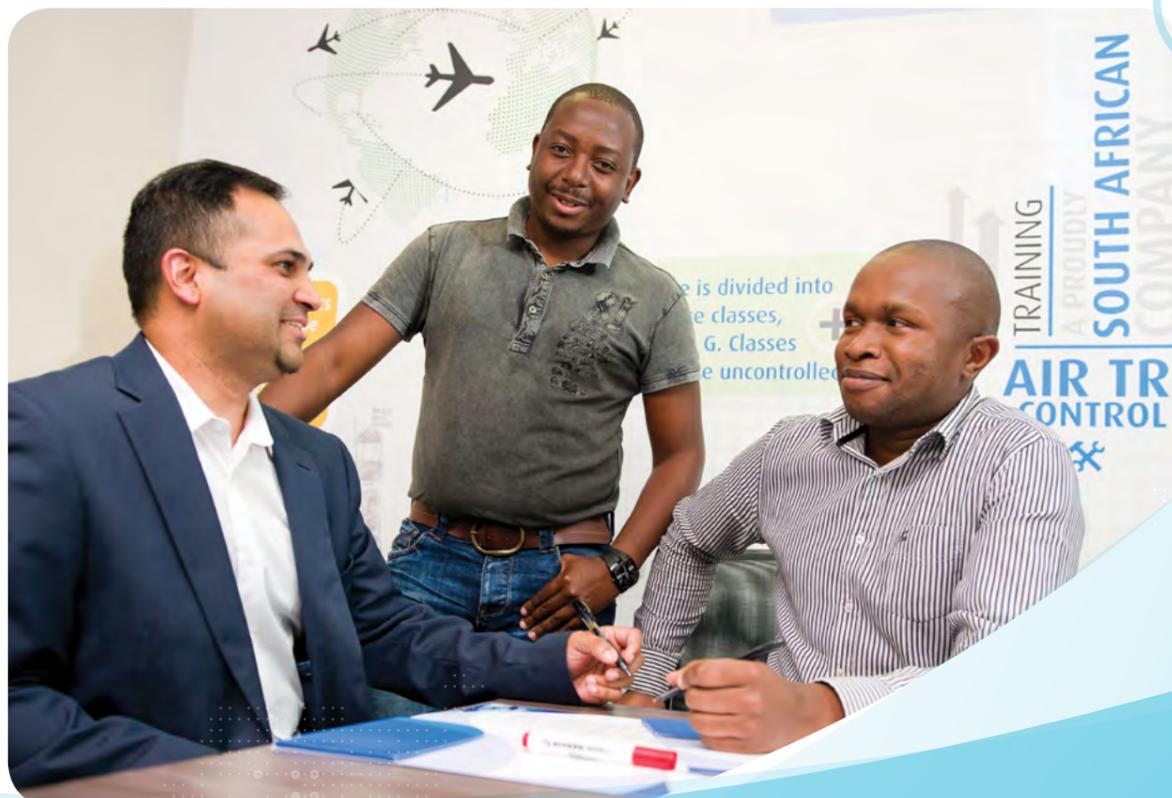
About ATNS

Air Traffic and Navigation Services SOC Limited (ATNS) provides air traffic, navigation, training and associated services within South Africa. ATNS is responsible for Air Traffic Control throughout **South Africa** and a large part of the **Southern Indian and Atlantic Ocean**, comprising approximately **10% of the world's airspace**. ATNS operates from nine ACSA and 12 other aerodromes. As a **globally competitive employer of choice**, ATNS is committed to diversity and has achieved ranking within the **top 10 companies** in South Africa with regards to female representation at executive levels.

Our vision

To be the **preferred supplier** of Air Traffic Management solutions and associated services to the African Continent and selected international markets.

Our mission

To provide **safe, expeditious and efficient** Air Traffic Management solutions and associated services.

Our services extend beyond Air Traffic Control services into the provision of **vitally important aeronautical information** used for all flight planning purposes as well as search and rescue coordination activities, and the maintenance of a reliable navigation infrastructure.

The ATNS Aviation Training Academy

The ATNS Aviation Training Academy (ATA) is a **unique organisation** in terms of the training on offer. Not only do we provide **Air Traffic Services and Engineering Training** to our staff members, but also provide a wide range of **aviation-related and safety-related courses** throughout the Continent and into the Middle East.

The ATNS ATA is a fully-accredited training organisation offering up to **three-year national diploma-level courses** and is registered on the **National Qualifications Framework**.

Over and above this, the ATNS ATA is also the **IATA regional training provider** for the AFI region. The Academy qualified as IATA's 2011, 2012, 2013 and 2014 **Worldwide Top Regional Training Partner** (RTP).

Awards and recognition

As true testament to our maintenance of the **highest training and quality standards** the ATNS ATA has been awarded **IATA's Worldwide Top Regional Training Partner** for 2011, 2012, 2013 and 2014 – an ongoing achievement we are committed to upholding.

The ATNS ATA is also accredited by the **Transport Education Training Authority**.

The Academy is **ISO 9001:2008** compliant and accredited by the **South African Qualifications Authority**.

Capabilities

The ATNS ATA utilises computer-based training, radar simulators, engineering laboratories as well as 3D aerodrome simulators to the **highest industry and safety standards**.

We employ **renowned training instructors and coaches** both internationally and nationally in order to give our students and partners the best in both **practical and technical knowledge and expertise**.

Facilities

The ATNS ATA is a **vibrant meeting place** for students from all walks of life. As one of the **leading aviation academies in South Africa**, the ATNS ATA is committed to producing **graduates of the highest calibre**.

Our facilities include:

- Nine classrooms and an auditorium
- CAATS training facility
- Study centre
- Library
- Internet café
- Student lounge
- Prayer room
- Cafeteria
- Student lodge (student accommodation)

Accommodation

Staying at the ATNS ATA lodges is a **convenient way** to be close to the Academy campus and also a great way to **meet fellow students**. Each room at ATNS's accommodation facilities includes a **private bathroom, a study desk with lamp and chair as well as a TV**. The ATNS ATA uses an array of accommodation facilities and there is no set residence. Provision is made by the students' lodge for any **medical attention** they may need during their stay.

Transportation

The relevant ATNS ATA lodge will collect students on arrival at **O.R. Tambo International Airport** and drop them off on their departure following completion of their studies.

Transportation for candidates to and from the Academy is provided from **Monday to Friday**. Times are as follows: Collection from the ATNS ATA lodges to the Academy is at **07h45** and transportation back to the lodges from the Academy is at **16h30**.

Transportation during **weekends and on public holidays** for shopping and entertainment purposes can be arranged between students and all lodges. Other transportation requirements over and above this will be for the **student's account** at the rates prescribed by their respective lodge.

ATNS ATA courses

The ATNS ATA offers a **full range** of courses in Air Traffic Services, Engineering and related training.

Air Traffic Services Training comprises **regulatory courses** for anyone required to be accredited by Civil Aviation Authorities, **non-regulated courses** and **ATS Training Management and Development courses**.

ATS training includes:

- Air Traffic & Aeronautical Information Management Core Content/Ab Initio (ICAO 050)
- Air traffic service assistant training
- Approach Procedural Control rating (ICAO 052)
- Area Procedural Control rating (ICAO 053)
- Aerodrome Control rating (ICAO 051)
- Approach and Area Radar Control (ICAO 054)
- Aeronautical Information Services training
- Aeronautical Information Management training

Our **Engineering courses** cover a variety of system concepts and specialised equipment related to Communication, Navigation and Surveillance (CNS) and information technology.

**Some engineering courses on offer include:**

- Very Small Aperture Terminal equipment (VSAT)
- Voice communication system
- Instrument landing systems
- Navigational aid systems
- Primary and secondary surveillance systems
- Information Technology

Additional courses:

- Human Factors
- Aviation English
- Train the Trainer
- IATA courses
- ICAO courses
- On the Job Instructor

ATNS ATA courses continued

ATNS ATA is contracted with IATA to provide **management-related** courses. There are a total of **four courses** to be completed per Diploma – one **prerequisite** course which is a required course and three other elective courses. Within the respective Diploma outline, participants have a maximum period of **three years** to complete the Diploma.
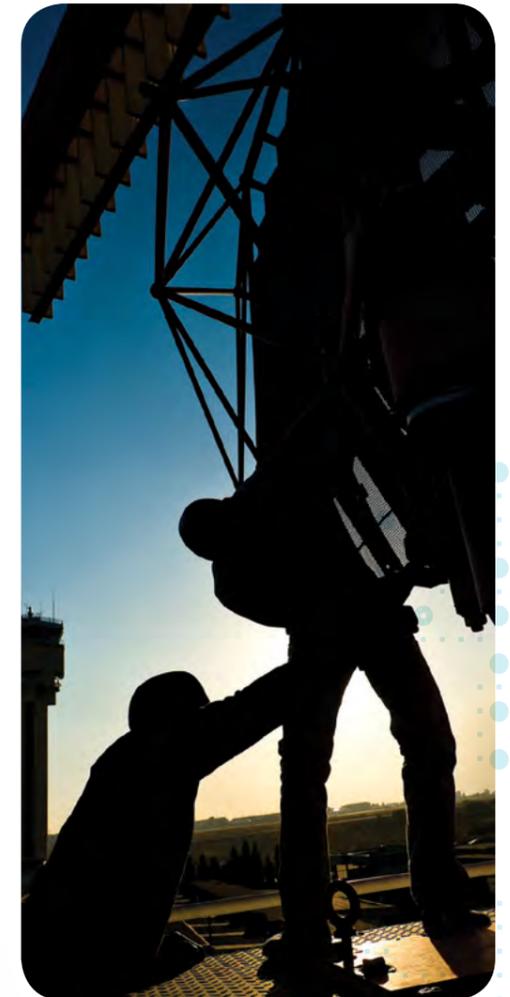
A selection of 11 Diplomas are available to students:

- Diploma in Air Navigation Systems Management (ANS)
- Diploma in Safety Management (Civil Aviation)
- Diploma in Civil Aviation Management
- Diploma in Aviation Security
- Diploma in Project Management
- Diploma in ATS Management (for ATCs)
- Diploma in Airport Strategic Management
- Diploma in Advanced Airport Operations
- Diploma in General Management
- Diploma in Airline Management
- Diploma in Aviation Studies
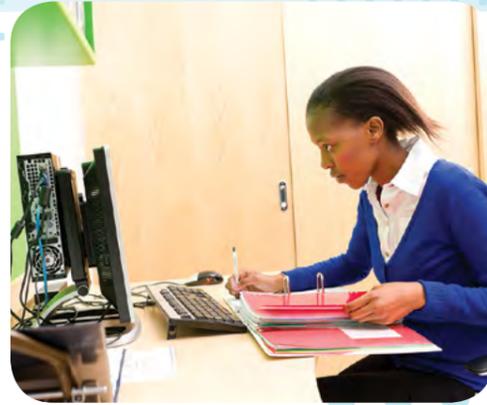
As per legislation and CAA requirements, the ATNS ATA offers **two Government Safety Inspector courses** on behalf of ICAO, providing safety inspectors across the region with the **requisite knowledge** to complete all related activities:

- Air Operator Certification
- Air Worthiness

The ATNS ATA training model is **unique**, and we source the **best local and international** expertise for each module which means our training offering is always **up-to-date, relevant and of the highest possible standard**.

International students

In order to ensure our international students have a **training and study experience** worth remembering we need to ensure they are mindful of the following:

- that their **visa is valid** for the duration of their stay in South Africa; visas will be requested on their first day at the ATA;
- that their visas are always on hand;
- flight tickets for departure should be **forwarded to client relations** for planning purposes; tickets will be requested the **last Tuesday** before their departure; and
- any **excess baggage** on their return home is for their own account.

Visa requirements

Requirements for visitor's visas **differ from country to country** and the requirements are subject to change. You can find all the information you need, including whether or not you require a visa to travel to South Africa by visiting **www.dha.gov.za**.

What to do in and around Johannesburg

Apartheid Museum
o The Apartheid Museum opened in 2001 and is acknowledged as the **pre-eminent museum** in the world dealing with **20th century South Africa** at the heart of which is the **apartheid story**.

The Museum is open seven days a week from 09h00-17h00. To find out more, visit **www.apartheidmuseum.org**.

Constitution Hill
o Situated on a hill overlooking the bustling Johannesburg city and the forested suburbs, Constitution Hill provides a **unique perspective** of Johannesburg and its **rich history**. The site is home to the **Women's Gaol museum, Number Four museum, and Old Fort museum**. These areas host **gripping exhibitions** with themes that showcase South Africa's **rich heritage and advocate human rights**.

The Museum is open Monday to Friday from 09h00-17h00 (last tour at 16h00) and on Saturdays, Sundays and public holidays from 10h00-15h00. To find out more, go to **www.constitutionhill.org.za**.

Gold Reef City
o Gold Reef City is one of South Africa's **top family attractions**. Reminiscent of an authentic **turn-of-the-century mining town** and conveniently located close to the centre of Johannesburg, Gold Reef City is **Pure Jozi – Pure Gold** and includes a **vibrant amusement park**.

Gold Reef City is open from 09h30-17h00 from Wednesday to Sunday and all public holidays. To find out more visit **www.tsogosun.com/gold-reef-city-casino**.

Maboneng Precinct
o From fine restaurants and entertainment venues, retail stores and art galleries, to **The Bioscope**, South Africa's only independent cinema, Maboneng is a **neighbourhood celebrated through art**. To find out more, head to **www.mabonengprecinct.com**.

Lesedi Cultural
o Lesedi is located in the **heart of the African bushveld** amidst the rocky hills within the **Cradle of Humankind, a World Heritage Site**. Discover the **fascinating cultures and traditions** of the people of Africa, visiting **five traditional homesteads** inhabited by Zulu, Xhosa, Pedi, Basotho and Ndebele tribes who live according to **tribal folklore and traditions of their ancestors**. To find out more visit **aha.co.za/lesedi**.

City Sightseeing Tours
o Hop on and hop off the **double-decker red bus** and discover Johannesburg. With **informative audio commentary** about all our major attractions in 15 different languages (and a special channel for kids), City Sightseeing Tours are the **easiest and most fun way** to see the sights. To find out more, visit **www.citysightseeing.co.za/johannesburg**.

Orlando Towers
o Bungee jump, swing, abseil and enjoy paintball at the **iconic Orlando Towers in Soweto**. You can also enjoy a **delicious shisa nyama** (grilled meat on an open flame) at Chaf-Pozi which is situated at the base of the Towers. To find out more about fun activities head to **www.orlandotowers.co.za**. To find out more about Chaf-Pozi visit **www.chafpozi.co.za**.

o   If you want a **bird's-eye view** of Johannesburg, the **50-storey Carlton Centre** is the place to go. Visitors to the centre can enjoy a **panoramic view of the City of Gold from the Top of Africa**, as the topmost floor of the building is known. The **tallest building in Africa** and once the tallest building in the southern hemisphere, the Carlton Centre stands **223m high** – about 40m shy of featuring on the world's top 100 skyscrapers list.

The Top of Africa is open Monday to Friday from 09h00-18h00, on Saturdays from 09h00-17h00, Sundays from 09h00-14h00 and public holidays from 09h00-18h00. To find out more visit **www.gauteng.net**.

Bursaries

ATNS is proud to invite **dynamic and enthusiastic** students to apply to be part of the **bursary programmes** offered at the ATNS ATA.

1.   **AIMO Bursary Programme**

Aeronautical Information Management is the **skeletal and vascular system** of the Air Traffic Management body.

Applicants must:

- Be a minimum of 18-years-old
- Have Grade 12 with maths and English (HG D or SG C or level 4 upwards)
- Be a South African citizen
- Be medically fit

There exist opportunities to **grow and develop skills** in the following careers within Aeronautical Information Management:

- Aeronautical flight procedural design and charting
- Aeronautical surveying
- ATS flight-planning
- Communication
- NOTAM
- Publication of Integrated Aeronautical Information Packages
- Static and dynamic data management

This bursary programme facilitates the **initial training and exposure** necessary to take the first steps along an **interesting and ever-evolving journey** in the field of Aeronautical Information Management.
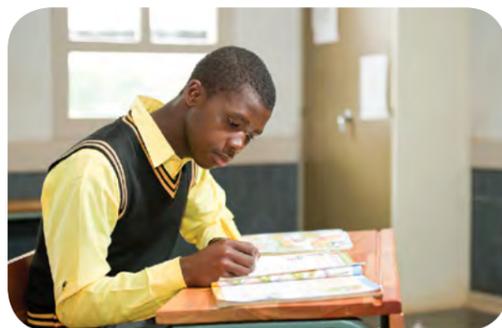
2.   **ATCO Trainee Bursary Programme**

An Air Traffic Control Officer (ATCO) is an important member of the **air navigation team** who ensures the **safe, orderly and expeditious** air travel of millions of passengers per annum by ensuring that aircraft are **separated** from one another and **maintaining** the organised flow of air traffic.

Applicants must:

- Be a minimum of 18-years-old
- Have Grade 12 with maths and English (HG D or SG C or level 4 upwards)
- Be a South African citizen
- Be medically fit

The ATCO Trainee Programme consists of three phases: **The Bursary Scheme** (a bursary contract), **the ATC Learnership** (conducted under a fixed-term contract) and an **ATC Aerodrome Course and Validation Phase** (under fixed-term contract). The study bursary provides each bursar with an opportunity to conduct their studies at the ATNS Aviation Training Academy.

3.   **Engineering Learnership Programme**

The programme runs for **12 months** and consists of **Experiential Training P1 and P2**. Successful completion of P1 allows students to be **automatically enrolled** into P2.

Minimum requirements

- **Semester four** (completed or on the verge of completion) from a University of Technology in any of the following fields:
  - o   Electrical Engineering
    - Telecommunication
    - Process Instrumentation
    - Digital Systems
  - o   Computer Systems
- You must be a **South African citizen** with a valid ID
- You must be **computer literate** (MS Office)
- You must show a **drive to achieve** ambitious performance objectives and quality standards
- You must be willing to take **every opportunity** to learn and grow

The following are some of the **careers** available at ATNS in the Engineering and Technical Services Department:

- Chief Specialists
- Engineering Technicians
- ICT Technicians
- Network Infrastructure Personnel
- Project Managers
- Research Specialists
- Systems Engineers
- Technical Specialists

4. Engineering Graduate Development Programme (EGDP)

The Programme runs for 12 months consisting of **six months training** at the ATNS ATA and a further **six months exposure** at different ATNS Operational Units.

Minimum requirements

- A **graduate degree** (completed or on the verge of completion) from a recognised South African/international university in any of the following fields:
  - o Electronic engineering
  - o Computer engineering
  - o Electrical engineering (light current)
  - o Mechatronic engineering
- You must be a **South African citizen** with a valid ID
- You must be **computer literate** (MS Office)
- You must show a **drive to achieve** ambitious performance objectives and quality standards
- You must be willing to take **every opportunity** to learn and grow

The following are some of the **careers** available at ATNS within the Engineering and Technical Services Department:

- Chief Specialists
- Engineering Technicians
- ICT Technicians
- Network Infrastructure Personnel
- Project Managers
- Research Specialists
- Systems Engineers
- Technical Specialists

ATNS ATA Alumni | John Langa Tembo

"The **Aviation Training Academy** made me realise that I had **a lot to offer** in my aviation career and helped me discover **what it takes to be a real, professional Air Traffic Controller**: dedication, commitment, zeal, punctuality, enthusiasm, courage, precision, anticipation and of course passion."

John is currently working as an Area Controller at Kenneth Kaunda International Airport in Zambia. He is an On Job Training Instructor and Local Examiner.

Training partnerships

The ATNS ATA **partners** with organisations to provide access to the **best available skills, knowledge and assessments**. The ATNS ATA can assist with:

- Customised courses
- Defining and developing succession plans
- Evaluation of existing corporate programmes
- Manpower requirements
- Performance management
- Recruitment and selection of new personnel
- Training needs assessments

Our satisfied customers

- Airways New Zealand
- Embry-Riddle Aeronautical University
- ENAC France
- Ghana
- IATA
- ICAO
- Namibia
- SACAA
- Seychelles
- Sudan CAA
- Swaziland
- The FAA Academy in Oklahoma, USA

We are accredited with the following Institutions of Higher Learning:

- Cape Peninsula University of Technology
- Central University of Technology
- Durban University of Technology
- Nelson Mandela Metropolitan University
- University of Johannesburg
- University of Pretoria
- University of the Witwatersrand

Other services offered by ATNS

- Airspace Design
- Billing and Collections Management
- Engineering Services
- Flight Procedure Design and Cartography
- WGS-84 Surveying and Obstacle Evaluation

Contact details

ATNS Aviation Training Academy
Tel: +27 11 570 0400
Fax: +27 11 395 3347

Physical address
O.R. Tambo International Airport
ATNS Operational Complex Gate 14
Bonaero Drive
Bonaero Park
Johannesburg
South Africa

Postal address
Private Bag X1
Bonaero Park
1622

ATNS head office
Tel: 0860 286 726
Fax: +27 11 607 1570
www.atns.com

Physical address
Eastgate Office Park
Block C
South Boulevard Road
Bruma

Postal address
Private Bag X15
Kempton Park
1620
Gauteng