

Helicopter Flight Training Information Brochure

Introduction

Thank you for your interest in Precision Aviation Training Academy. We are passionate about aviation and training and therefore as one of our students you become part of our family and your success is our priority.

Our motto is “better application through understanding” and we apply this to every course curriculum we develop. We know from experience that our initial instructor formed who we are as aviators. Knowing how important this is we have assembled a team of highly qualified instructors leading a passionate team of people who will guide you through **all** your aviation training needs. We want your training to be a positive experience resulting in a long lasting relationship.



This document will give you all the information you will need to know about our company and what the process is that will be followed in your development as a skilled aviator.

Please feel free to visit our facility at any time to meet the team, have a cup of coffee and discuss your training needs. We look forward to meeting you soon.

Meet the team

Riks is the CEO of the academy and he is the owner and Chief Engineer of Precision Aviation Services a successful South African aviation maintenance company. For the past 16 years Precision Aviation Services has been an AgustaWestland approved service centre. Riks is a qualified aircraft technician having trained with all the major aircraft manufacturers including; AgustaWestland, Bell, Sikorsky, Cessna and Pratt & Whitney. Riks holds a group 7 and group 9 license and he and his team ensure that our fleet of aircraft are maintained to the highest possible standards.

Precision Aviation Training Academy (Pty) Ltd
Reg.No. 2011/004900/07

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Johan Odendaal is the Chief Flight Instructor of PATA and holds an Airline Transport Pilot's licence on both Helicopter and Aeroplane, with 4800 hours Total Time of which over 1900 hours is instruction time on Helicopters and 200 hours in Aeroplanes. Johan has extensive operational flying experience in Industrial Aid, Corporate flying and Charter flights.

What courses do we currently offer?

All South African flying training schools are granted authority to train by the South African Civil Aviation Authority known as the SACAA or simply the CAA. We are currently licensed by the CAA to offer the following training courses;

- Private Pilot's License / PPL-H
- Commercial Pilot's License / CPL-H
- Airline Transport Pilot's Licence / ATPL-H
- Night Rating
- Instrument Rating
- Game/Cull rating
- Type Rating
- Turbine Rating
- Twin Turbine Rating
- Instructor Rating
- Mountain Flying
- High Altitude Familiarization



Requirements

While there are no formal qualifications required to do a pilot's license. However it is required that you be at least 17 years old to do a PPL (private pilot's license) and 18 years old to do a CPL (commercial pilot's license). You will also have to pass an aviation medical exam, and pass an English proficiency test or provide a tertiary education certificate.

“Once you have tasted flight, you will forever walk the earth with your eyes turned skyward, for there you have been, and there you will always long to return.”-Leonardo Da Vinci

Courses we offer

PPL- Private Pilot's Licence:

Minimum requirements to receive the license:

- You have to be 17 or older;
- Aviation Medical (Class 2);
- By the end of the course you will have to have completed a legal minimum of 50 hours flying, 15 hours total solo hours of which 5 need to be solo cross country;
- Radio License (Restricted);
- PPL exams done through the SACAA (South African Civil Aviation Authority).
- Exams: Principles of Flight, Air-law, Flight Planning and performance, Helicopter technical and general, human Performance, Meteorology, Navigation, Radio Telephony.

The course is made up of both flying and ground school training which is imperative to the handling skills and the understanding of the helicopter which are all necessary to obtain the SACAA PPL (H) License.

PPL flight training syllabus:

- Familiarization of helicopter
- Air experience
- Altitude and power changes
- Straight and level + climbs and descents
- Medium Turns
- Basic hover in ground effect
- Lift off and touch downs
- Hover and taxi out of wind
- Transitions
- Circuit flying
- Vortex ring state and Basic auto rotations
- Emergencies; engine off landings
- First solo
- Consolidation of skills
- Advanced hovering and manoeuvring
- Precision transitions
- Quick stops
- Tight circuits
- Steep turns
- Advanced auto rotations
- Limited power operations
- Transition in various wind directions
- Slope landings and take offs



- Confined area and out of ground effect ops
- Low flying
- High altitude familiarization
- Navigation

Commercial Pilots Licence- CPL (H):

Minimum Requirements to receive CPL license

- 18 years or older;
- Private Pilot Licence/PPL-H
- Aviation medical (Class 1);
- Minimum of 200 flying hours. This included the 50 hours from your PPL. One hundred (100) of the hours must be solo (Pilot In Command);
- Radio License (General);
- Ground School;
- CPL exams done through the SACAA.

Helicopters

The aircraft we use for training is a Schweizer 300, a Robinson R44, a Bell 206 Jet Ranger and an Agusta 109c. These machines are very capable at our altitude, and safety is our first priority. There are weight restrictions though. On the H300 the maximum weight would be 136 kg. Should you weigh more than that we would suggest the R44 or B206 a more suitable machine to train on.



Contact Details:

- Johan Odendaal (Chief Flight Instructor) – 082 907 7641 / johan@pasaviation.co.za
- Federico Chabrat (Grade 2 Flight Instructor) – 072 193 7673 / federico@pasaviation.co.za
- Chantel Van Der Merwe (Flight Operations Controller) – 083 645 5909 / pata@pasaviation.co.za
- Office Landline: 012 543 0371
- Website: www.patahelicopters.co.za

Location and Amenities:

We are located at Wonderboom airport just north of Pretoria. The airport has accommodation at Villa San Giovanni's for those students that require it. We also have a number of B&B's nearby in the area. Entertainment and shopping malls are also nearby.

Physical Address:

Wonderboom Airport
Hangar 109
Linvelt Road
Pretoria



GPS Co-ordinates:

S 25 deg. 39 min. 00 sec.
E 28 deg. 13 min. 00 sec.

