



## **Aviatech Flight Academy – Company Overview**

Aviatech Flight Academy

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## Dear Prospective Candidate,

Thank you for contacting us to undertake your flight training. Aviatech Flight Academy has been in operation for close to 10 years and has successfully trained 100's of pilots, both local students and international students, and from all demographics. As a leading flight training organisation in South Africa, Aviatech Flight Academy offers a wide range of aviation training services. As a professional flight academy that understands the unique needs of student pilots, Aviatech has invested in providing a wide service offering, which forms the foundation of becoming the leading flight academy in South Africa.

Our instructors and personnel are highly accomplished and experienced in the field of general aviation. From our extensive experience we are able to pass much of this experience on to you during your learning process.

At Aviatech Flight Academy you will receive a high level of personal attention and you will also enjoy a feeling of belonging to a group of people who have aviation and flight safety at the forefront of their minds.

Our goal is to produce well rounded aircrew who will possess the necessary personal and technical skills required, to pursue a career in aviation, as either private or professional pilots.

Your chosen path will prove to be personally challenging, but also a very rewarding one and we look forward to accompanying you along every step of your way to success.



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## **Why Get a Pilot's License in South Africa?**

There are multiple reasons why one would choose to obtain their pilot license in South Africa, but the most notable would be that of the exchange rate and weather.

### **Exchange Rate**

Because of the Rand value, you are able to fly for a much lower rate as the fuel price is affected by this. An aircraft's hourly rate is determined largely on the current fuel price; this means you are capable of completing your license at a much lower cost.

### **Weather**

South Africa has exceptional weather for aviation. Pilots are capable of flying more regularly than surrounding countries and this allows for more opportunities to build flying hours and at a more consistent and frequent manner.



## **Offerings Unique to Aviatech Flight Academy and South African Flight Schools**

We have been training pilots for ten years, which gives us the experience needed to train students to become good skilled and professional pilots. Aviatech Flight Academy has positioned themselves in the market to be able to assist students from all walks of life, from local to international and from a Private Pilot License through to Airline Transport Pilot License. Aviatech is the ideal environment for all students to reach their aviation goals.

### **Location**

Aviatech is based at Jack Taylor Airfield (FAKR), Krugersdorp, South Africa. The airfield has a tar runway and is mostly used for general flying. There are runway lights which also allow for training at night.

There is less aircraft traffic, which allows for a safer environment and the ability for the student to feel more comfortable than what they would at a busy international airport. Because of the low traffic levels, a student doesn't spend large amounts of time and money at holding points waiting to take-off. Instead they are able to get airborne quicker, allowing for more time to practice, develop their skills and become better pilots. Jack Taylor Airfield is also situated just outside the Lanseria International Airport controlled airspace, which allows the newly trained pilot with a relaxed environment to concentrate on flying and listen to his Flight Instructors' instructions.

The airfield is about 10 nm from Magaliesburg general flying area (GF), where all the SACAA manoeuvres can be practiced for the final test to obtain the pilot license. Jack Taylor Airfield is a flying club where students are encouraged to become part of the 'family' and Aviatech has a social area at the hanger where students can interact, share stories and relax. Aviatech also has a Facebook page which allows students to easily share their experience with their family and friends.



## Employees

Aviatech handpicks their instructors only allowing instructors with the right attitude and personality to teach the students. This means that Aviatech students are trained by the best instructors where the student's progress is their main concern.



## Courses

All the courses offered by Aviatech Flight Academy are in accordance with the SACAA and will be explained in detail in this section and the steps that need to be followed. Please note that Aviatech is very strict in following and complies to the rules and regulations set out by the South African Civil Aviation Authority (SACAA) syllabus.

In addition to the courses specific to aviation, Aviatech also provides English classes for the students that require it.

**Please take note of the following abbreviations:**

- **SPL** - Student Pilot License
- **PPL** - Private Pilot License
- **CPL** - Commercial Pilot License
- **NR** - Night Rating
- **IR** - Instrument Rating
- **ATPL** - Airline Transport Pilot License

**Below are the steps followed to obtain the different licenses:**

**Private Pilot License Student:**

- Class 2 Medical
- SPL
- PPL

**Commercial Pilot License Student:**

- Class 2 Medical
- SPL
- PPL
- NR
- IR
- Class 1 Medical
- CPL

**Airline Transport Pilot License Student:**

- CPL
- Eight CAA Exams
- Frozen ATPL Requirements
- Students generally find a pilot job in the industry
- 1500 hour flying requirement
- ATPL



## **Private Pilot License:**

On successfully completing your PPL, a pilot can fly the aircraft type they got trained on. They are allowed to do conversions to different types and models of aircraft as per SACAA regulations. With this license, a pilot is not allowed to fly for any type of reward. It is purely for those that wish to fly for the enjoyment of it. Various ratings are available for a PPL pilot and this can all be done under one roof, at Aviatech Flight Academy.

### **Ratings:**

- PPL Night Rating
- PPL Instrument Rating

### **PPL Requirements:**

- Obtain a SA Class 2 Medical
- Pass an Acceptance Test

### **Requirements to Obtain a PPL:**

- English Proficiency
- 45 Hours Minimum Flying (SACAA Minimum Requirement)
- Skills Test (actual flight test)
- 5 Hours Class Room Training for Restricted Radio Telephony Certificate
- SACAA Exams:
  - o Restricted Radio Telephony Certificate
  - o Meteorology
  - o Aircraft and General
  - o Principles of Flight
  - o Navigation
  - o Flight Planning and Performance
  - o Human Performance
  - o Air Law

Each flying lesson includes a theoretical and or briefing component before and after each flight. The student is required to prepare before classes and flights.

## Private Pilot License Syllabus

DESCRIPTION OF EXERCISE	EXERCISE NUMBER	DURATION OF EXERCISE*
<ul style="list-style-type: none"> <li>• FAMILIARISATION WITH AIRCRAFT</li> <li>• EMERGENCY DRILLS (WITH RESPECT TO GROUND EMERGENCIES)</li> <li>• PREPARATION FOR AND ACTION AFTER FLIGHT</li> <li>• AIR EXPERIENCE</li> </ul>	1 1E 2 3	1.0
<ul style="list-style-type: none"> <li>• EFFECTS OF CONTROLS</li> </ul>	4	1.0
<ul style="list-style-type: none"> <li>• TAXIING</li> <li>• STRAIGHT AND LEVEL</li> </ul>	5 6	1.0
<ul style="list-style-type: none"> <li>• CLIMBING</li> <li>• DESCENDING</li> </ul>	7 8	1.0
<ul style="list-style-type: none"> <li>• TURNING</li> </ul>	9	1.0
<ul style="list-style-type: none"> <li>• SLOW FLIGHT</li> <li>• STALLING</li> </ul>	10 10B	1.0
<ul style="list-style-type: none"> <li>• SPIN AVOIDANCE</li> </ul>	11	1.0
<ul style="list-style-type: none"> <li>• TAKE-OFF AND CLIMB TO DOWNWIND POSITION</li> <li>• CIRCUIT, APPROACH AND LANDING</li> </ul>	12 13	<b>DEPENDING ON STUDENT PERFORMANCE</b>
<ul style="list-style-type: none"> <li>• SOLO HOURS IN CIRCUIT</li> </ul>	RECAP <sub>12,13</sub>	3.0
<ul style="list-style-type: none"> <li>• ADVANCED TURNING</li> </ul>	15	1.0
<ul style="list-style-type: none"> <li>• FORCED LANDINGS</li> </ul>	16	1.0
<ul style="list-style-type: none"> <li>• PRECAUTIONARY LANDINGS</li> </ul>	17	1.0
<ul style="list-style-type: none"> <li>• SOLO HOURS IN GENERAL FLYING AREA</li> </ul>	RECAP <sub>10,15,16,17</sub>	6.0
<ul style="list-style-type: none"> <li>• NAVIGATION</li> <li>• NAVIGATION IN REDUCED VISIBILITY AND AT LOWER LEVELS</li> <li>• RADIO NAVIGATION</li> </ul>	18A 18B 18C	13.0

Please note that all hours shown in the 'Duration of Exercise' column are not fixed as they are dependent on student performance.



## **Commercial Pilot License:**

After a student completes their PPL, they can immediately start building hours towards their CPL. Generally, when a student wishes to start a career as a professional pilot, they will take on and complete this license.

There are two types of endorsements, single engine (e.g. Cessna 172 and 210) and multi-engine (e.g. King Air 90). The route they choose depends on what the goal is in the end of his studies. For example, if such student wishes to fly charter flights in Africa, he would generally do a single engine. Similarly, with a goal in mind to become an Airline pilot, they must do twin turbine prop engine ratings. This type of decision can be made during training or right upfront when they start their training.

There are a few SACAA requirements that need to be met before the student will receive their CPL.

### **Requirements to Obtain a CPL:**

- Valid PPL
- Night Rating
- Complex Aircraft Rating (Cessna 210 – Done at Aviatech)
- Instrument Rating (some hours on a flight simulator)
- Class 1 Medical
- Pass ten Theoretical SACAA Exams (More Advanced than PPL)
- Total 200 hours (SACAA Minimum Requirement)



## **Airline Transport Pilot License:**

This license will help the student to be recognised in the airline industry if they wish to become an airline pilot. Aviatech believes that there is a large scope for this type of qualification due to the market demand for professional airline pilots. Obtaining an ATPL is no easy task but we guide the students and ensure that they move on with good understanding of the theory and practical requirements. This will require the student to fly as often as possible to meet the minimum requirements to obtain the ATPL. Because of the level of this qualification, a class 1 (CPL and ATPL) medical exam must be passed through an approved SACAA DME. This will be all done through Aviatech and it is included in the fees.

### **Requirements to Obtain an ATPL:**

- Pass six SACAA Theoretical Exams
- Multi Engine Rating (Turbine Prop e.g. King Air 90)
- Total Hours 1500



## **Summary of Services:**

Below is a summarized view of all the aviation related services available at Aviatech Flight Academy.

### **Courses:**

- PPL
- CPL
- ATPL

### **Advanced Training:**

- Night Rating
- Instrument Rating
- FNPTII Flight Simulator
- Renewals
- Conversions

### **Additional Services:**

- Hire and Fly
- English Lessons
- English Proficiency Tests

### **Computer Based Training:**

Aviatech Flight Academy has taken aviation training to new heights with its fully interactive Computer Based Training (CBT) solutions for the theoretical exams for PPL, CPL, IROP, and General Radio.

It is not a rehashed PowerPoint presentation that has been turned into an online 'ground school' but is a fully interactive CBT course that has been developed over the past eight years. CBT allows each person to study at their own pace, it allows them to spend as much or as little time on each section, it is non-threatening and non-judgmental while providing immediate feedback as the training progresses. You can review sections of the material as frequently as needed, privately and without feeling embarrassed by mistakes. This makes the training much more efficient.



Gone are the days of death by PowerPoint, where the instructor tries to use every type of animation in every slide, or worse, chalk screeching on the blackboard. There is now a system which delivers training and instruction with a computer instead of through a human instructor, and ours is delivered via the Internet so that text and multimedia materials can be accessed from any location at any time of the day. Alternatively, you can download our handy app, which allows you to access it via a tablet or phone offline. Our system works with Windows, Android or Apple.

For flight schools who globally have a shortage of instructors, it now means students can pre-prep themselves, thus cutting down on man hours spent on the ground which could rather be utilised in the air. Rather than classroom and book learning, CBT is much easier to animate, which helps form proper 3D understanding of a concept

Due to the dynamic and ever shifting world we live in, the way we learn has changed. Join us today on a digital journey and ditch the old-fashioned classroom and boring monochrome books. Allow us to take you on a vibrant, colourful journey to navigate you through the minefield of your aviation exams, whilst getting your competitive juices flowing with our gamification elements seeing you fly to the top of the leader board

### **Accommodation:**

Aviatech can arrange self-catering accommodation for students to suit all needs. The Transport can also be arranged to and from the airfield as well as to the nearest shopping mall twice a week, thus no worries about being on time for classes and flights.



### **What are the Costs?**

Since there are so many variables involved it is not possible to give a fixed quotation for obtaining a Private Pilot License.

The legal minimum requirement in terms of flight hours is 45 hours but this is seldom achieved in today's more complex environment. For budgetary purposes it would be safer for you to work on 55 hours, however, even this cannot be guaranteed by any flight training organization.

The number of hours at which a candidate qualifies is dependent on individual performance and the environment in which the training is undertaken.

At the Jack Taylor Airfield, statistics show that without any compromise to quality of training we are consistently way below the national average of 85 hours flown to PPL qualification. This is because the airfield is uncongested and is a facility where we are able to bring the best value to you in actual airborne time and training aloft.

As an average, one can work on an investment of approximately R 118,000.00 (One hundred and twenty thousand Rand) for the Private Pilot qualification. This average figure includes all flight training, ground school, examination fees, licensing fees and medical certificate.

**It is important to note that all training is done on standard certified aircraft and not on ultra-light non-certificated type aircraft as at most other flying schools.**



# PPL Cessna 172

(All Prices including VAT)

<u>DESCRIPTION</u>	<u>COSTS</u>
Hour Building (40 Hrs x R3010 p/h)	R 120 400.00.pp
Briefings before flights (10 Hrs x R450 p/h)	R4 500.00
Sim Training (5 Hrs x R1300 p/h)	R 6 500.00
Medical	R 1 500.00
7 Exams (R400 each)	R 2 800.00
Radio Exam	R 610.00
Radio Oral Test and Ground School	R 2 750.00
Language Proficiency	R 900.00
SPL	R 580.00
PPL	R 770.00
Yearly Insurance	R 2 160.00
Club fees (3 months x R300)	R 900.00
PPL Test	R 11 130.00
Theoretical Material (Computer Based Training Ground School 6 months, ruler, protractor, whiz wheel, logbook and map)	R 5 000.00
<b>TOTAL:</b>	<b>R160 500.00</b>

# CPL

(All Prices including VAT)

<u>DESCRIPTION</u>	<u>COSTS</u>
PPL on Cessna 172	R160 500.00
Computer Based Training for Ground School (6 months)	R 10 000.00
Radio Oral Test and ground school	R 2 750.00
Night Rating (5 Hrs Sim x R1300 p/h)	R 6 500.00
Night Rating (10 Hrs C172 x R3010 p/h)	R 30 100.00
Night Rating Test	R 3 630.00
Briefings for Night Rating (5 hours @ R450)	R 2 250.00
Hour Building (99 Hrs C172 x R2810 p/h)	R 278 190.00
Simulator Training (10 Hrs x R1300 p/h)	R 13 000.00
IF Training (20 Hrs C172 x R3010 p/h)	R 60 200.00
Cessna 210 Flying (5 Hrs x R6000 p/h)	R 30 000.00
Prep (5 Hrs x R3010 p/h)	R15 050.00
Simulator Test (1 Hour)	R 1 150.00
Cessna 172 Test (2 Hrs x R2810 p/h)	R 5 620.00
D E Cost	R 2 850.00
CPL (issue of licence at CAA)	R 810.00
Club Fees (12 months x R300)	R 3 600.00
Yearly Insurance	R 2 160.00
Landing Fees	R 1 900.00
CX3	R 2 500.00
CAA Exams 10 Exams @ R390	R 3 900.00
<b>TOTAL:</b>	<b>R 633 220.00</b>

## Contact Us

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Thank you for your interest in Aviatech Flight Academy and please go visit our website and Facebook page.

Safe Flying,  
The Aviatech Team

