



# PRINCIPAL AIR LTD

FLIGHT TRAINING / CHARTER

## **Class IV Flight Instructor Rating program.**

Welcome to the Principal Air Ltd.

Earning a Class IV Flight Instructor Rating (aeroplane) is one of the gateways to a career in aviation. The Rating certifies the holder of a Commercial Pilot Licence (aeroplane) or an ATPL (aeroplane) to conduct flight training under the supervision of a Class I or II Flight Instructor working within a Flight Training Unit leading to the issuance of the RPP, PPL, and CPL licences and the Night and VFR-OTT Ratings.

For many young pilots seeking employment in the industry and an opportunity to expand their skills and experience and for many experienced pilots seeking to expand their knowledge and qualifications within industry a Class IV Instructor Rating can provide the necessary certification.

The program is a challenging and exciting one. As a Class IV Flight Instructor Rating candidate, you will develop considerable knowledge of both the theory and practice of flight and flight instruction. Your skills and knowledge both as a pilot and as a trainer of pilots will expand and grow. You will open opportunities in industry for yourself that can lead to or expand an exciting and rewarding career.

So, who makes a successful Class IV Instructor candidate? Someone who:

- Finds enjoyment in the process of learning and teaching;
- Finds working with people committed to and involved in learning new and exciting concepts and skills;
- Has a deep interest in exploring and increasing knowledge and skills in aviation;
- Enjoys flying in all its aspects both practical the theoretical; and
- Finds the prospect of a rewarding and fulfilling career in the field of aviation holds a strong appeal,



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## **REQUIREMENTS TO RECEIVE RATING**

Minimum Age:	18 years
Medical Required:	Class 1
License Required:	Commercial Pilot – Aeroplane or ATPL

## **COURSE DESCRIPTION**

Transport Canada requires:

Minimum Flight Time: 30 hours including the following:

Dual: 30 hours [with Class 1 Instructor]

Minimum Ground School: 25 hours [with Class 1 Instructor] including:  
lesson plans, teaching techniques, theory subjects  
relating to Class 4 instructor written examination.

## **EXAMINATIONS AND FLIGHT TEST**

**Written Examination:** The Transport Canada written examination, AIRAF, may be taken in Vancouver, Richmond or Abbotsford. The examination includes: administration, instructor general knowledge, theory of flight, and instrument instruction. A minimum of 70% overall is required to pass.

**Flight Test:** Flight tests are conducted at the school by Transport Canada Inspectors.

## **PRIVILEGES OF RATING HOLDER**

As an employee of a flight training unit and under the supervision of a Class I or II Flight Instructor, the holder of a Class IV Instructor Rating may conduct dual flight instruction in respect of the issuance of a pilot license – aeroplane or the endorsement of a night rating on such a license; authorize a trainee to undertake solo flight in an aeroplane; recommend a trainee for a flight test in respect of the issuance of a pilot license – aeroplane; and recommend a trainee for the endorsement of a night rating on the trainee's pilot license – aeroplane. The holder a Class IV Flight Instructor Rating may exercise the privileges of a flight instructor rating – ultra-light aeroplane without being under supervision.



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## OVERVIEW

The Class IV Instructor Rating program consists of two aspects: a ground school program and an in-flight training program.

During the ground school portion of the training, candidates will work with a Class I instructor to master the principles of learning in a flight training environment. Candidates will develop a sound knowledge of the process of conducting flight training, develop an in-depth knowledge of the principles of aerodynamics and theory of flight, learn and practice the process of developing lesson plans including Preparatory Ground Briefing, Pre and Post Flight Briefings and master the skills involved in analysis of student performance. Candidates will also develop a sound knowledge of the licencing requirements for the various aviation licences a Class IV instructor will be qualified to teach, study the Air Law associated with flight training, become familiar with the duties and responsibilities of an instructor working within a flight training unit and develop a detailed knowledge of the Flight Test Standards for the RPP, PPL, CPL licences and the requirements for the Night and VFR-OTT Ratings.

With the assistance of the Class I instructor, each candidate will be required to develop a full set of lesson plans and materials covering all aspects of the Transport Canada approved flight training program.

During the course of the ground school program, candidates will review the knowledge acquired during their Commercial Pilot Licence program and develop a sound knowledge of the theoretical aspects of the knowledge required of a flight instructor in preparation for the Transport Canada written exam, the AIRAF.

Lesson planning and flight training will include a focus on Human Factors and Pilot Decision Making.

Dual in-flight training will provide an opportunity for candidates to become proficient in flying an aircraft from the right seat and develop a strong ability to provide instruction during flight. Candidates will have an opportunity to learn and master all of the exercises required during flight training leading to the RPP, PPL and CPL licences (aeroplane) and the Night and VFR-OTT Ratings.



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## **COURSE STRUCTURE**

The Class IV Instructor Rating program is divided into four phases.

### **Phase I**

Phase I of the program is focused on ensuring each candidate meets commercial standards in flight skills. Each candidate will be required to take an evaluation flight with a Class I instructor and may be required to write an in house exam. The student will fly the aircraft from the left seat and demonstrate proficiency in all the private and commercial exercises required of candidates for those licences. Any deficiencies in flight skills will be rectified through training prior to moving on to Phase II, some students may be exempt from this phase.

### **Phase II**

Phase II begins with a minimum of 10-15 hours of ground school. During this phase the candidate will review Theory of Flight, learn and master instructional Learning Factors, Oral Questioning techniques, Teaching Methods, Individual Differences among students, the Student-Instructor Relationship, Analysis of Student Performance and Human Factors and Pilot Decision Making. This is laid out in the program guide

### **Phase III**

During Phase III of the program, candidates will begin their in-flight training with a focus on developing proficiency in flying the aircraft from the right seat. During this phase, the candidate, under the direct supervision of a Class I instructor will review all the various flight exercises required for candidates working toward PPL and CPL licences. Simultaneously, the candidate will work with the Class I instructor to develop his or her lesson plans and materials, have an opportunity to observe and practice teaching the various exercises in a classroom environment and in the air.

Preparation for the written exam will also be a focus for the candidate during this phase of the program. It is expected the candidate will take and pass the written exam prior to moving to Phase III of the training program.

### **Phase IV**

The last phase of the program will focus on preparation for the flight test. The candidate will complete the full set of lesson plans and materials and practice applying those materials in a practical way as aids to teaching in a flight training environment. The flight portion of this phase

will focus on giving the candidate opportunities to practice training in-flight and in honing flight skills, analysis of student performance, application of Human Factors during training and teaching techniques. Pre-flight briefings, Preparatory Ground Instruction and Post-flight Briefings will be conducted by the candidate under the supervision of the Class I instructor.

Whenever possible, candidates will have opportunities to observe experienced instructors during their lessons both on the ground and in the air. Candidates will also be afforded opportunities to participate in and provide instruction during ground school for PPL and CPL students.

## **Examinations**

Transport Canada requires a candidate for the Class IV Instructor Rating to pass a written examination (the AIRAF) and a flight test. Prior to sitting the written exam or taking the flight test the candidate must, in the opinion of the recommending instructor, have achieved the required level of proficiency as described in Flight Instructor Guide – Aeroplane (TP 975). The written exam may be taken at a Transport Canada Centre in Abbotsford, Richmond or Vancouver by appointment following the completion of all the ground school requirements (25 hours) and at least 50% of the required flight time (15 hours). The flight test will be conducted by a Transport Canada Inspector following the completion of all the requirements for the Class IV Flight Instructor Rating (aeroplane).



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## COST ESTIMATE FOR CLASS IV INSTRUCTOR RATING

An estimated cost breakdown for a typical Instructor Rating is as follows:  
Typically, candidate require more than the 25 hours of ground instruction.

### Class IV Instructor Rating:

35 hours Ground School @ 90.00/hr (minimum is 25 hours)	3150.00
30 hours dual flight training, pricing varies depending on choice of aircraft, C-152, C-172 or Piper Warrior	8550-9150
Books and Materials	200.00
PTIB Registration fee Domestic	200.00
PTIB Registration fee International	1000.00
Transport Canada Written Exam Fee	30.00
Transport Canada Flight Test Fee	230.00
Transport Canada Rating Fee	30.00

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<b>Anticipated Cost:</b>	<b>\$12,500 to \$13,500</b>
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