

Aviation Diploma Program

Program Description

The Aviation Leadership Diploma Program of Langley Flying School (LFS) prepares leaders in the aviation industry with both excellent flying skills and strong understanding of the aviation business. Other than the traditional flight training, academic studies are separate but complementary components that provide the opportunity to acquire aviation related knowledge concurrent with flight training. This program includes an expanded look into the details of aviation safety, aviation services, leadership, aviation crisis management, aviation company management, and marketing in the aviation business, further enhancing students' essential background knowledge for a career in aviation.

Career Occupation

The career occupations for which the program is intended to prepare a student are as follows:

Pilot, Instructor, Aviation Company Administrator, Aviation Company Base Manager, Dispatcher, Emergency Response Specialist, Airport Operations Officer, Air Logistics Officer.

Admission Requirements

Requirements the student must meet to be accepted into the program:

- Secondary (high) school graduation certificate or equivalent diploma.
- English language proficiency assessment or ICAO level 4 English equivalent.

Learning Objectives

In addition to the knowledge and skill required to obtain the Private Pilot Licence, leadership, crisis management, aviation company management and marketing, application of safety standards, and the ability to work well with others are skills that are integrated into both the classroom learning and flight training portions of the program.

At the end of this program student will:

- Describe the regulations and standards of Canadian Civil Aviation;
- Integrate flight theories, aircraft systems, and meteorology;
- Master flying skills;
- Implement various ground operations and safety precautions;
- Apply critical thinking skills into aviation operation;
- Evaluate risk and apply appropriate personal and organizational risk management strategies;

- Create safety nets that reduce human error;
- Analyze the legal, economic and socio-cultural environment that influences aviation markets;
- Adapt a realistic framework for managing various aviation business;

Method(s) of Evaluation

The methods of evaluation used to assess a student are those included in the course syllabus.

Requirements that a student must meet to complete the program are:

Complete 1248 hours of LFS Aviation Leadership Diploma program courses and pass (70%) all the final exams in the LFS Aviation Leadership program.

**Program Duration:
24 months**

This program leads to employment in a career occupation regulated by Transport Canada and has an average instructional time of 17 hours per week for 72 weeks broken down as follows:

Approximately 70 hours of aircraft and FTD training including mandatory pre and post flight briefings (70 hours include 25 hours FTD Pre-PPL, and 45 hours PPL) and;

1178 hours of ground training in a classroom (Preparation ground instruction and Pre-flight and Post-flight briefing 21 hours, PPL 155 hours, Writing (105) 42 hours, English (103) 60 hours, Business English (233) 60 hours, Becoming a Master Student (101) 42 hours, Navigating the New Work Environment (204) 42 hours, Practicum 1: Pre-Private Training Pilot Simulation in a Flight Training Device (111) 25 hours, Practicum 2: Private Pilot Ground School and Flight Training (112) 200 hours, Aerodynamics and Physics of Flight (113) 42 hours, Introduction of Aviation Operations and Services (115) 42 hours, Advanced Psychology and Aviation Human Factors (217) 42 hours, Aviation Safety and Risk Management (216) 60 hours, Analysis of Aviation Meteorology (114) 42 hours, Aviation Communication Strategies (102) 90 hours, Introduction to Aviation Business (230) 60 hours, Principles of Aviation Leadership (140) 42 hours, Introduction to Aviation Industry (231) 60 hours, Aviation Management (220) 96 hours, Crisis Management and Leadership (241) 42 hours, Airport Management (221) 96 hours, Marketing for Airline Industry (232) 42 hours).

Based on the totals above, this program is divided into 18 months (average 17 hours per week). However, due to flight testing and licencing delays, statutory holidays, as well as other operational irregularities such as weather and airspace closures, the course is listed as a 24-month program.

Homework Hours 17 hours a week

Delivery Method(s) *Indicate how the program is delivered*

- In-class instruction
- ☒ In-flight instruction
- Distance education
- ☒ Combined delivery (both in-class and distance)

Required Course Materials *The following are a list of textbooks, equipment, and other educational materials required to complete this program which are provided to the students:*

Pilot Logbook;
 Flight Computer – E6B and CX3;
 ICAO Chart Ruler;
 Protractor;
 VNC and VTA maps;
 Flight Bag;
 Writing in College: From Competence to Excellence;
 Business English for Success;
 English Composition: Connect, Collaborate, Communicate;
 Becoming a Master Student;
 How to Write a CV (Curriculum Vitae) and Cover Letter: An Essential CV;
 Writing Guide ;
 Career Success: Navigating the New Work Environment ;
 Langley Flying School Groundschool Manual;
 Langley Flying School Flight Training Handbook;
 Flight Training Manual (Aeroplane) (Revised 5th Edition);
 Cherokee Cruiser Information Manual;
 From the Ground Up;
 Aerodynamics for Aviators;
 Langley Flying School Ground Operation and Service Handbook;
 Human Factors for Aviation - Basic Handbook;
 Aviation Safety Programs A Management Handbook;
 From the Ground Up;
 Study Guide for the Restricted Operator Certificate with Aeronautical;
 Qualification(ROC-A);

VFR phraseology;
 LIVE ATC recorders and scripts;
 Manual of Radiotelephony;
 Introduction to Business;
 James MacGregor Burn;
 Langley flying school;
 Evolution of International Aviation;
 Essentials of Aviation Management: a Guide for Aviation Service Businesses;
 Introduction to Air Transport Economics: from Theory to Applications;
 Airport planning & Management;
 Airport Development, Management, and Operations in Canada;
 Airline Marketing and Management;

**Program
Organization***

*The titles of the courses in this program in the order they are provided,
and the hours of instruction allotted to each are:*

	Title of Course	Hours	Credits
1	Writing (105)	42	3
2	English (103)	60	3
3	Business English (233)	60	3
4	Becoming a Master Student (101)	42	3
5	Navigating to New Work Environment (204)	42	3
6	Practicum 1: Pre-Private Training Pilot Simulation in a Flight Training Device (111)	25	3
7	Practicum 2: Private Pilot Ground School and Flight Training (112)	221	9
8	Aerodynamics and Physics of Flight (113)	42	3
9	Introduction of Aviation Ground Operations and Services (115)	42	3
10	Advanced Psychology and Aviation Human Factors (217)	42	3
11	Aviation Safety and Risk Management (216)	60	3
12	Analysis of Aviation Meteorology (114)	42	3
13	Aviation Communication Strategies (102)	90	4
14	Introduction to Aviation Business (230)	60	3
15	Principles of Aviation Leadership (140)	42	3
16	Introduction to Aviation Industry (231)	60	3
17	Aviation Management (220)	96	4
18	Crisis Management and Leadership (241)	42	3
19	Airport Management (221)	96	4
20	Marketing for Airline Industry (232)	42	3
	TOTAL 20 Courses	1312	69