

Canadian Association of
Aviation Colleges

Association Canadienne
des Collèges
d'Aviation

Presentation Document

2008





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Canadian Association of Aviation Colleges

Vision

A professional Association and unifying voice for promoting and furthering aviation education as a collegiate academic discipline.

Mission

- To promote and foster excellence in collegiate aviation education .
- To influence aviation education policy at all government levels.
- To provide and nurture the linkages between collegiate aviation education, the aviation industry, and government agencies.

Objectives

- to be an open forum for collegiate aviation education
- to create and influence national policies related to aviation education
- to assist students, faculty, and institutions in defining and achieving their aviation education aspirations
- to encourage individuals to choose aviation related careers
- to promote the professional development of individual members
- to promote awareness of collegiate aviation through interactions with the aviation industry and government
- to assist institutions in meeting the needs of the aviation industry and government
- to be a media resource for accurate aviation education information
- to cooperate and work together with similar organizations in Canada, the United States and other countries to heighten awareness of collegiate aviation on a global basis.





Chief Instructor Aviation Operations Programs, BCIT: Lynne Foster
Chief Administrative Officer, Pacific Flying Club: Pat Kennedy

The British Columbia Institute of Technology's new state-of-the-art training facility at the Aerospace Technology Campus in Richmond, BC has the solid support and commitment from government and industry.

BCIT, Canada's largest English language aviation education institution, and Pacific Flying Club, one of Western Canada's premier flight training schools, have combined their resources and expertise to offer a unique training opportunity for men and women who wish to become airline pilots with a strong skill set of aviation industry knowledge.

It is the only fully integrated program that combines flight training with industry-focused academic training. Learners must meet the requirements to qualify for:

- Private Pilots Licence (PPL)
- Commercial Pilot License (CPL)
- Instrument Flight Rating (IFR)
- Multi-Engine Rating
- Diploma of Technical Studies

It is designed specifically to address the increasing demands of a commercial pilot. The program is 64 weeks long and is one of the fastest ways in Canada to qualify for a Commercial Pilots Licence while attaining a post-secondary diploma, with the potential to obtain a degree. The Airline and Flight Operations Diploma program follows training standards prescribed by both Transport Canada and the aviation industry. It is delivered at the BCIT Aerospace Technology Campus and at the Boundary Bay Airport.

www.bcit.ca





Program Coordinators:

1st Year- Shawna Greaves 807-473-2412

2nd Year- Syd McCrea 807-473-2420

Chief Flight Instructor- Andy Hay

Program: Aviation Flight Management (*two year, five semester advanced diploma program*)

Confederation College offers a two year intensive five semester Advanced Diploma in Aviation Flight Management providing our students with the necessary skills and certification to prepare them for their initial employment in the Canadian aviation industry. Students begin flying within the first week of classes, and will achieve a Private Pilot license before the end of the second semester. The third semester, taken during the summer, involves a combination of float flying at our own remote float training facility, and cross country flights throughout Northwestern Ontario and Manitoba. The final two semesters involve flight training leading up to and including their commercial pilot exam and ski & tail dragger experience.

Confederation College stresses the concept of introductory business management principles to aid students in working through flight and flight management of air carrier operations. During their tenure, students will receive approximately 230 hours of flight training, considerable time in our advanced simulators, and a wealth of aviation and business courses.

Confederation College has a fleet of thirteen Cessna 172's and one Cessna 180 aircraft. All maintenance on the aircraft is done by our own qualified personnel in our new 9 million dollar facility. In addition we operate a Frasca 142 FTD and a state-of-the-art level six Frasca B58 Baron FTD. Confederation also has three CAE IPT simulators which are used for CRM lessons, and basic turbine engine operation.

Confederation College has operated the Aviation Flight Management program for more than thirty years. Our focus is on student centered education and safety, and our accident free record speaks for itself.

www.confederationc.on.ca





Centre québécois de formation aéronautique Chicoutimi College

School Director : M. Serge Boucher 418-673-3421 ext. 307
Post Secondary Education Achievement : 3 year Aviation Flight Diploma

The Centre québécois de formation aéronautique (CQFA) is the only public college in Quebec offering the aviation flight diploma program. We have been training professional pilots for the industry for over 35 years. Located in the beautiful Saguenay region in Quebec, CQFA is part of the Chicoutimi College. With a fleet of 20 aircraft and 3 FTDs, 40 students per year are admitted on the 3 year program for a total of up to 120 students. Our students are trained for one of 3 career options; multi-IFR (airlines), floatplane (bush) or helicopter.

In today's context of constant and rapid changes, CQFA firmly believes that we no longer should limit the training to the technical aspect of flying, but also to the human factors that constitute an essential part of the pilot's proficiency requirements. Training is based on competency and assessment

CQFA by the means of its continuing education department is involved in maintaining the pilot's proficiencies in addition to supporting the industry in their training needs. We can offer assistance in many fields of training such as the Approved Check Pilot (ACP) course, CRM, Flight Crew Training, GPS, CFIT Avoidance Training, high altitude training, surface contamination and airborne icing training, flight attendant training and more. Some of these courses are also available via the Internet.

We have also positioned ourselves in the development of training products supporting the aviation industry with training programs, teaching aids and teaching material. We understand that the training requirements are as different as the various aspect of the operation. For this reason, we always take into account the past experience of the trainees to assure the best possible results.

www.cqfa.ca





Georgian College

Dean: Barbara Marshall, (705) 728-1968 Ext. 1266

Air Canada Advisory representative: Todd Tripp, Manager, Planning Hub Development

Post-secondary Education: 3 year Advanced Diploma in Aviation Management

The Aviation Management program is designed to give students knowledge, skills, and hands on experience in the aviation industry and business management, as well as providing co-operative work experience. Our students receive six 4-month semesters of targeted academic training and 1 year of co-op work experience before graduation.

With a 90% co-op placement rate, students apply academic concepts to real life situations, obtaining the equivalent of one year of practical work experience while securing important personal contacts within the aviation industry. Employers benefit from motivated productive workers who have chosen the aviation industry as their career path and are eager to make a contribution.

Graduates of the program are eligible for advanced standing in undergraduate degree programs at Embry Riddle Aeronautical University and the University of Lethbridge. Griffiths University in Australia and Loughborough University in England have awarded our students with direct entry to their Masters programs: MSc in Aviation Management and Masters of Transportation respectively.

Some of the graduates hired by Air Canada over the years include: Keith Dowds (Chief Flight Dispatcher), Damon Reigate (First Officer A340), Jerome Brunet (Customer Service Agent in Weight and Balance), and Julien Caron (Manager, Scheduling & Facility).

www.georgianc.on.ca/aviation





Mount Royal College

Chair / Director of Flight Operations: Shirley Rose 403-440-6043
Air Canada Advisory Board member: Captain Rick Maki
Post Secondary Education Achievement: 2 Year Diploma in Aviation

Mount Royal is an ACCC public and provincially accredited undergraduate College located in Calgary, Alberta. Mount Royal's two year Aviation diploma has been in operation since 1971, and has prepared over 1000 graduates now flying for carriers around the world. Students must enter the program with a completed Private Pilot License, and graduate with commercial/multi-IFR licenses and ratings, as well as a 20 course, two year academic diploma in aviation. In addition to the core flight training courses and ground schools, students take courses in: Airline Economics, Business Administration, Business Communications, GPS and Multi-Crew Coordination, Human Factors and Aviation Safety, Calculus, English, Physics, Geography (Meteorology), aircraft engines, systems and avionics, as well as wilderness survival. Students must also complete a number of liberal arts and science courses to complete their diploma. Students must maintain a minimum satisfactory College standard of 70% in their air flight training courses in order to be permitted to continue into the next semester.

Mount Royal's flight operations are conducted out of Springbank Airport (CYBW); Springbank is an IFR certified airport with two IFR GPS approaches and VFR ILS/NDB/VOR/LOC/BC/DME facilities. Mount Royal operates 9 aircraft: 7 Cessna 172's, and 2 Grumman American GA-7 Cougars. We also have a Garmin 430 equipped Level 2 Certified Frasca 142 Multi-Engine/IFR FTD, as well as an Elite FTD.

A four year degree in aviation, to be offered by Mount Royal, is currently under curriculum review by the Alberta Government.

www.mtroyal.ca





Sault College

Sault College

Program Coordinator: Colin Kirkwood 705-759-2554 ext. 2688

Air Canada Advisory Board member: Captain John Hilts

Post Secondary Education Achievement: 3 Year Aviation Technology (Flight) Diploma

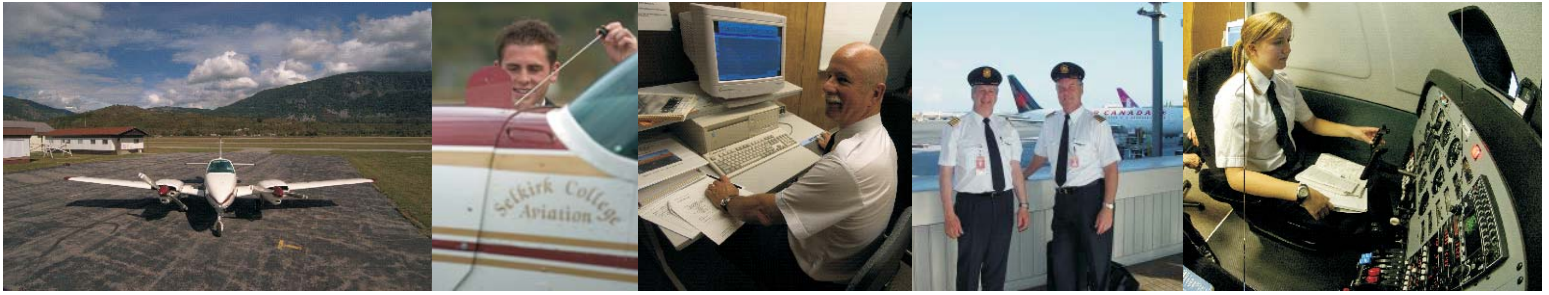
The flight program at Sault College is a three year, seven semester technology program. Students are required to successfully complete the first semester prior to being admitted to semester two (the beginning of the flight semesters). The requirements for semester one are passing all courses and achieving a 3.1 GPA (grade point average). This semester begins to identify those students displaying a higher level of motivation, dedication and discipline to be successful. In subsequent semesters students must maintain a passing grade in each course, without repeating the course or they will be involuntarily withdrawn from the program.

The program of study, in addition to core aviation subjects includes communications, fitness and lifestyle management, economics, mathematics, physics, mechanics, electronics and hydraulics. The core aviation courses include the traditional ones, meteorology, navigation, theory of flight, airframes and engines, air law, general knowledge, instrument procedures, plus advanced flight systems and a relatively strong human factors component. The human factor component includes flight physiology, flight psychology, CRM and an introduction to multi crew operations.

Sault College owns, operates and maintains a fleet of 9 Zlin 242L aircraft, 2 Piper Seminole aircraft, 2 Mechtronix FTDs and 1 Frasca FTD. The flight course syllabus calls for a minimum of 186.5 hours of flight time and 49.5 hours of dual FTD time. Graduates of the program, in addition to an Ontario College Advanced Diploma, will have an integrated commercial pilot licence endorsed with both multi engine and group one instrument privileges (CPL(A)/IR).

www.saultcollege.ca





School Chair: Henri Bureaud, 250-365-1203

Air Canada Advisory Board member: Captain Hadyn Acheson

Post Secondary Education: 2 Year Diploma in Aviation

Selkirk College is a publicly funded institution within the BC post secondary system. This program has been preparing students for commercial pilot positions in Canadian and International airlines since 1968. Students graduate with a Professional Aviation Diploma, Commercial Pilot Licence, Group I Multi-IFR and a *frozen* ATPL

The core aviation topics, instrument ground training and flight training are fully integrated in this two year program. Students also complete a Technical Writing course and first year university courses in English, Mathematics and Physics.

Additional training components include: Multi Crew operations in a King Air FTD, flight physiology and psychology, High Altitude Indoctrination, team building, dispatching, fueling, use of SOP's and FOM, First Aid and CPR, a four day winter wilderness survival experience, and dangerous goods certification

The aviation program employs dedicated, career instructors with a wide variety of experience in flight training, charter, corporate, air taxi, airline and military operations.

Selkirk College is located in rugged mountainous terrain in the Kootenay region of southern interior of BC. The Professional Aviation program operates in a brand new facility located at the Castlegar airport. The training fleet consists of 5 Cessna 172P's, 2 Beech Travelair's, 2 Frasca Beech Travelair FTD's and a Frasca 242T King Air 200 FTD.

Our location provides students with flight training in prairie, mountain and urban regions. These students complete their IFR training at the Abbotsford airport and are exposed to operations in Vancouver's high density airspace.

www.selkirk.ca





Seneca College

School Director: Dominic Totino 416 4915050 ext. 2176

Air Canada Advisory Board member: Captain Richard Sowden

Post Secondary Education Achievement: 4 Year Bachelor Degree in Flight

Seneca's 4 year Degree Flight Program educates professional pilots for the global Aviation Industry. Students experience hands-on training in the technology of aviation while studying advanced aeronautics, management principles, and communication techniques. Topics addressed in the program include Math, Electricity, Advanced Aeronautics, Flight Propulsion, Aircraft Design, Management Principles Flight Training, Human Factors, Crew Resource Management and Multi Crew Operations in an advanced Jet FTD.

Seneca's flight operation is conducted out of Buttonville Airport and operates 14 aircraft: 2 Beechcraft B58 Barons , 5 Beechcraft F33 Bonanzas, 7 Cessna 172. We also have four advanced Flight Training Devices, Baron B58 FTD, Bonanza F33 FTD, Cessna 172 FTD and a Canadair CRJ 200 FTD. Students graduate with a minimum of 190 hours of flight time and over 100 hours of FTD time and receive an integrated commercial pilot licence endorsed with both multi engine and group one instrument ratings.

aviation.senecac.on.ca





CAAC representatives

BCIT	Lynne Foster	604-419-3743 Lynne_Foster@bcit.ca
Confederation College	John Condon	807-473-2422 jcondon@confederationc.on.ca
CQFA - Chicoutimi College	Jean LaRoche	514-300-2732 jlaroche@cqfa.ca
Georgian College	Barb Marshall	705-728-1968 # 1266 bmarshall@georgianc.on.ca
Mount Royal College	Kori Street	403-440-6104 kstreet@mtroyal.ca
Sault College	Colin Kirkwood	705-759-2554 # 2688 john.portas@saultcollege.ca
Selkirk College	Henri Bureaud	250-365-1203 HBureaud@selkirk.ca
Seneca College	Dominic Totino	416-491-5050 # 2176 Dominic.Totino@senecac.on.ca

www.caac.ca





A POLYTECHNIC INSTITUTION

**British Columbia Institute of Technology
Aerospace Technology Campus
3800 Cessna Drive - Richmond, BC
V7B 0A1**



**Mount Royal College
Department of Aviation
4825 Mount Royal Gate SW
Calgary, AB T3E 6K6**



**Aviation Flight Management Program
Confederation College
Aviation Centre of Excellence
2003, Derek Burney Drive
Thunder Bay, Ontario**



**Sault College of Applied Arts and Technology
443 Northern Ave.
Sault Ste. Marie, Ontario
P6A 5L3**



**Centre québécois de formation aéronautique
Chicoutimi College
1, rue de l'Aéroport
St-Honoré, Quebec
G0V 1L0**



**Selkirk College
Professional Aviation Program
301 Frank Beinder Way
Castlegar BC
V1N 3J1**



**Georgian College
Aviation Management Program
One Georgian Drive
Barrie, ON L4M 3X9**



**Seneca College of Applied Arts and Technology
1750 Finch Ave. East
Toronto Ontario
M2J 2X5**

