

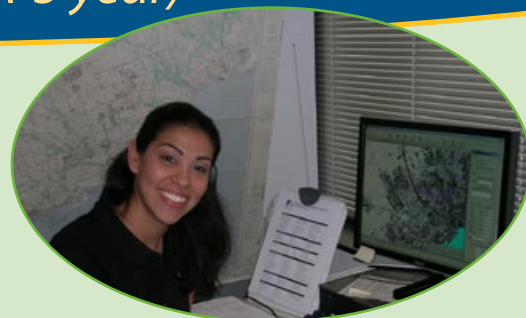
Aviation Management (Co-op)

Aviation Management (AVIA-3 year)

GEORGIAN

YOUR COLLEGE · YOUR FUTURE

CENTRE FOR CO-OPERATIVE EDUCATION, INTERNSHIP
AND CAREER SERVICES



PROGRAM DETAILS

Students in the Aviation Management program are given an understanding of the Aviation industry in Canada and around the world. The program offers its students not only in depth knowledge of the aviation industry, but of business management principles as well.

Aviation courses include:

- Aerodynamics
- Aircraft Characteristics
- Airline Management
- Airport Management
- Airport Planning
- Airport Security
- Aviation Law
- Aviation Operations
- Aviation Orientation
- Cargo, Customs and Excise
- Flight Lab
- Government and Aviation
- Meteorology
- Navigation and Navigational Aids
- Operations Management
- Safety and Emergency Management Systems

Students also achieve their Radio Operators Certificate, prior to starting their first work term.

THE CO-OPERATIVE EDUCATION PROCESS

Students are available for co-op work terms as per the table below. Usually positions are for 14 – 16 weeks, 30 - 40 hours per week. Positions can be approved at a minimum 24 hours a week.

CO-OPERATIVE EDUCATION

Co-operative Education is a system of education blending career goals with college academic studies to enhance students' skills through real and relevant work experience. Students enrolled in co-op programs alternate and sequence their academic terms with work experience.

Co-operative Education is a three-way partnership of employers, students and educational institutions that has benefits for all participants. Students gain valuable work experience. Employers benefit from highly motivated students who are available for special projects and peak workload periods. Georgian College enhances its reputation for providing career-oriented applied education.

BENEFITS FOR CO-OPERATIVE EDUCATION EMPLOYERS

Benefits to your company could be:

- Reduces labour costs
- Ontario Co-operative Education Tax Credit of up to \$3,000 per student per work term
- Fresh ideas and new technical knowledge
- Co-op students can free permanent staff for more complex tasks, new projects or vacation
- Students complete academic semesters prior to their first work term, thereby providing them with technical knowledge and terminology before engaging in the work experience component
- Assists with your succession planning by assessing students for their ability, dependability, and aptitude as potential full-time employees

*Work term schedule may vary based on January program start date.

SCHEDULE OF ACADEMIC TERMS AND CO-OPERATIVE EDUCATION WORK TERMS:

Year 1			Year 2			Year 3		
Fall	Winter	Summer	Fall	Winter	Summer	Fall	Winter	Summer
Sem 1	Sem 2	Work Term 1	Sem 3	Work Term 2	Sem 4	Work Term 3	Sem 5	Sem 6

Fall - September to December

Winter – January to April

Summer – May to August

Aviation Management (3 year)

Positions that students usually apply for (but are not limited to) are in the area of: Airport Operations, Security, Noise Abatement, Emergency Planning, Ramp Attendant, Gate Management, Groundside Operations, Operations Systems, Aviation Enforcement, Pilot Driver / Office Assistant, Aircraft Refueller, Customs and Cargo Assistant, and Flight Following.



Companies that hire aviation co-op students and grads are varied and located across Canada. They include small, medium and large airports, tenants, airlines, charter operators, FBO's, Transport Canada and Nav Canada, Aviations Associations, Customs Brokers and Cargo Handlers.

STUDENT CAPABILITIES

Work Term 1 (May to August)

Students are capable of reliably demonstrating the following learning outcomes:

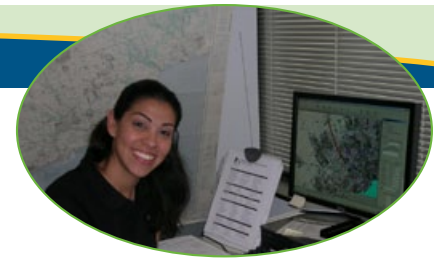
- Design, modify, and update a database using Access, as well as a sound knowledge of using all functions of Excel spreadsheets.
- Professionally compose business memos, letters, and minutes, while demonstrating acceptable business conduct.
- Describe the theory of flight and aircraft performance, flight planning, interpret basic meteorological data, and understand airport winter operations, including de-icing.
- Identify pre-flight procedures, weight and balance calculations, and basic navigation techniques for aircraft.
- Explain Canada's present aviation structure and the significance of operations and management, as well as an understanding of the significance of the marketing mix.
- Describe all elements crucial to an airport expansion, including principles of an Airport Master Plan.

Work Term 2 (January to April)

- Recognition of all major aircraft, as well as interpret the effects airport operations have on the environment.
- Forecast the future of the aviation industry through the study of the design and technology of future aircraft.
- Interpret all major aviation weather reports, forecast future weather, and record the components of a surface weather observation.
- Compose financial statements, record business transactions, and adjust accounts for financial statements.
- Understand the different forms of social interaction, cultures and behaviors in the work force.

Work Term 3 (September to December)

- Completion of a VFR and IFR cross country flight, while understanding VOR, NDB, DME, ILS, and GPS systems.
- Ability to read various navigational maps and charts. Conduct a PC simulated cross-country navigation, using radio navigational aids.
- Understand the concept of aerodynamic loads that act on an aircraft, and explain how aircraft design improves aircraft performance.
- Analyze the financial stability of a business and forecast its financial direction. Generate statistical conclusions regarding aviation and sociological problems.
- Assess the impact of economic events using supply and demand, and describe how the competitive market system works.



Co-operative Education/Internship @ Georgian College

Employers please contact:

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Students please contact:

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