

A PASSION FOR AVIATION



AIRCRAFT MAINTENANCE TECHNOLOGY

2020/2021

ÉNA



The institute is located 25 minutes from Montreal, adjacent to Montréal Saint-Hubert airport and close to several aeronautical businesses. ÉNA's hangars house a fleet of 38 aircraft including 27 airplanes and 11 helicopters. Its facilities and cutting-edge equipment are worth over \$110 million and include 35 laboratories and specialized workshops.

The École nationale d'aérotechnique (ÉNA), established in 1964, is the largest college-level aeronautical educational institute in North America. Affiliated with cégep Édouard-Montpetit and member of the national schools (ecolesnationales.ca), ÉNA can accommodate close to 1,300 students annually in the regular program and several hundred technicians in continuing education.

ÉNA is the only school in Québec to offer programs in Avionics, Aircraft Maintenance and Aerospace Engineering Technology, all combining practice and theory.

These three-year programs are offered in French and Aircraft Maintenance is also offered in English.

Avionics (in French) and Aircraft Maintenance graduates benefit from official recognition by Transport Canada when applying for an Aircraft Maintenance Technician license which allows them to certify the navigability of aircraft.

EMPLOYMENT PROSPECTS

The province of Québec is a leader in the Canadian and international aerospace industry, as a significant number of small, medium and large businesses in the field of aeronautics are located in the province. Here are some statistics related to the industry in Québec:

More than 400
companies in related fields

4,753 jobs to fill in 2019

By the year 2028

37,015 jobs to be filled:

12,373
new jobs to
be created

+

24,642
jobs to fill to
replace
employees

Source: Centre for Aerospace Manpower Activities in Québec - CAMAQ

GENERAL EDUCATION

General Education is an important component of all programs of study. The overall objective is to prepare students to live in our society in a responsible way and share cultural knowledge. It includes 4 Literature and English courses, 3 Humanities courses, 2 French second language courses, 3 Physical Education courses, and 2 Complementary courses.



STUDENT LIFE

ÉNA offers a variety of student groups and activities, meeting places, services, recreational sports and intercollegiate teams (the Lynx). You will find everything you need to create a unique lifestyle and a strong sense of belonging!

STUDENT SERVICES

- › Financial Aid available
- › Residences close to the ÉNA: residencesaero.com
For a list of accommodations available: logement.etudiant@cegepmontpetit.ca
- › Student Placement Services
- › Studies Center in English, French, Humanities and Mathematics



THE DEC IN AIRCRAFT MAINTENANCE WILL TEACH YOU TO MAINTAIN, INSPECT AND REPAIR AIRPLANES AND HELICOPTERS

(PISTON OR TURBINE ENGINES, LANDING GEAR, STRUCTURES, TEST BENCHES, HYDRAULIC SYSTEMS, ETC.)

CAREERS IN AIRCRAFT MAINTENANCE

- › Aircraft Maintenance Technician
- › Aircraft Component Repair Technician
- › Test Bench Technician (engine)
- › Inspector



Your high school studies must have been completed in English.*

SECONDARY SCHOOL PRE-REQUISITES

MATHEMATICS **AND** **PHYSICS**
TS05 OR **S05** **AND** **5**

OR THEIR EQUIVALENT

EMPLOYMENT PROSPECTS

Average job placement** **86%**

Annual starting average salary** **\$36,296**

Annual higher average salary*** **\$65,838**

AMINE SELLAMI
 Student
 Aircraft Maintenance Technology

LOUIS DESCHÈNES
 Teacher
 Aircraft Maintenance Technology

YOU WILL LEARN TO:

- › Maintain aircraft airworthiness
- › Check, repair, replace or modify aircraft components to maintain aircraft airworthiness
- › Research and troubleshoot problems with the aircraft and write technical reports.

The Program is Transport Canada approved and accredited and may lead to an Aircraft Maintenance license (License M). You can also take the exam leading to European certification at ÉNA.

* If your high school studies have been completed in another language than French or English, you must demonstrate a sufficient English language proficiency required for admission by presenting an English test result (TOEFL or IELTS). Otherwise, please contact the Registrar's Office at 450 678-3561, #4215.

** Source: Relance au collégial en formation technique du Ministère de l'Éducation et de l'Enseignement supérieur (2016).

*** Average of the highest salary range (over the 75th percentile)
 Source: Enquête salariale du secteur de l'aérospatiale du Québec, CAMAQ, 2016.

23%
 of graduates pursue university studies in Mechanical Engineering or Operations and Logistics Engineering

CURRICULUM

Note: The courses listed in the chart below are for general information only. The college reserves the right to make modifications without prior notice.

1 ST SEMESTER	
109-101-MQ	Physical Activity and Health
603-101-MQ	Introduction to College English
201-1A5-EM	Applied Mathematics
280-1A5-EM	Assembly and Installation
280-1A3-EM	Aircraft Blueprint Reading
280-1C5-EM	Aircraft Piston Engines
280-1B5-EM	Introduction to Aeronautics

2 ND SEMESTER	
345-101-MQ	Humanities: Knowledge
603-102-MQ	Literary Genres
201-2A5-EM	Aircraft Applied Mathematics
280-2A5-EM	Organic Materials Used in Aeronautics
280-2B5-EM	Minor Repairs
280-2C5-EM	Strength of Materials
280-2D5-EM	Turbo Machine Operation

3 RD SEMESTER	
345-102-MQ	Humanities: World Views
603-103-MQ	Literary Themes
602-XXX-MQ	French Language and Communication
280-3A4-EM	Piston Engine Maintenance
280-3B4-EM	Aerodynamics
280-3C4-EM	Civil Aviation
280-3D4-EM	Direct Current Avionics
280-3A6-EM	Metal Structural Repair

4 TH SEMESTER	
109-102-MQ	Physical Activity and Effectiveness
345-CEG-EM	Humanities
602-YYY-EM	French Second Language
280-4A5-EM	Turbo Machine Maintenance
280-4A4-EM	Alternate Current Avionics
280-4B5-EM	Hydraulics and Pneumatics
280-4B4-EM	Helicopters
280-4C5-EM	Aircraft Instrumentation

5 TH SEMESTER	
COMPL	Complementary Course
280-5A3-EM	Propeller Maintenance
280-5A5-EM	Control Surfaces
280-5A4-EM	Aircraft System Operation
280-5A6-EM	Engine Performance
280-5B3-EM	Internship on Planes 1
280-5C3-EM	Internship on Helicopters 1
280-5B4-EM	Radio Systems

6 TH SEMESTER	
109-103-MQ	Physical Activity and Autonomy
603-CEG-EM	English for Specific Program
COMPL	Complementary Course
280-6A3-EM	Avionics Maintenance
280-6A6-EM	Composite Structural Repair
280-6A4-EM	Internship on Planes 2
280-6B4-EM	Internship on Helicopters 2
280-6C4-EM	Aircraft System Maintenance

Exit Exam: In addition to the English Ministerial Examination, an exit exam is required at the end of the program.

ADMISSION

To fill out an application for admission, you need to go to the website for the regional admission service for greater Montreal (SRAM): admission.sram.qc.ca and click on the link for Omnivox Application for online admission.

You must choose 280.CO Aircraft Maintenance and then choose "English program".

Information: ena.cegepmontpetit.ca/admission

Service de l'organisation scolaire (Registrar's Office)

450 678-3561 ext. 4215

Toll free: 1 800 897-4687

ena.api@cegepmontpetit.ca

Students Outside of Quebec

frederic.busseau@cegepmontpetit.ca

ena.cegepmontpetit.ca/futurs-etudiants

École nationale d'aérotechnique

5555, rue de l'ÉNA

Saint-Hubert (Québec) J3Y 8Y9

ena.cegepmontpetit.ca/suis-nous



2 OPEN HOUSES

SUNDAY NOVEMBER 17, 2019
FROM 10:00 A.M. TO 3:00 P.M.

SUNDAY FEBRUARY 16, 2020
FROM 12:00 P.M. TO 3:30 P.M.



STUDENT FOR A DAY

Online registration at
ena.cegepmontpetit.ca/etudiant1jour

SCHOOL VISIT

Every year we organize group visits of ÉNA at the request of teachers or career advisors from secondary schools.

For a school visit, contact us at 450 678-3561 ext. 4737 or by email at: joelle.vachon@cegepmontpetit.ca

L'ÉCOLE NATIONALE D'AÉROTECHNIQUE

is a francophone institution. Although the language of instruction for this program is English, all other services and activities will be offered in French. A bilingual advisor will be available to assist and advise students in English.

Special thanks to the Coop Édouard-Montpetit and the students of Aircraft Maintenance for their participation to the cover picture: Alexandros Yannakis, Daniel Marriot, Amélie D'Amboise and Fady Hemaya