

ÉNN ÉCOLE
NATIONALE
D'AÉROTECHNIQUE

UNE ÉCOLE AFFILIÉE AU CÉGEP ÉDOUARD-MONTPETIT

A PASSION FOR AVIATION

2021/2022



AIRCRAFT MAINTENANCE TECHNOLOGY

ÉNA

Located 25 minutes south of Montreal, the institute is conveniently situated by St-Hubert airport and several aeronautical businesses. The hangars at ÉNA house an impressive fleet of 38 aircraft composed of 27 airplanes and 11 helicopters. Its facilities, cutting-edge equipment, 35 laboratories, and specialized workshops are worth over 110 million dollars.

The École nationale d'aérotechnique (ÉNA), established in 1964, is proud to be the world's largest college level aerotechnical school. ÉNA is affiliated with Cégep Édouard-Montpetit, and it is the only school in Québec that offers programs in Avionics, Aircraft Maintenance, and Aerospace Engineering Technology, all of which combine practice and theory.

In addition to these three-year programs in French, Aircraft Maintenance is also offered in English.

Graduates from two programs, Avionics (in French), and Aircraft maintenance, (in English), also benefit from an official Transport Canada recognition when they apply for the Aircraft Maintenance technician license to certify aircraft airworthiness.

EMPLOYMENT PROSPECTS

With more than 400 businesses in the field of aeronautics located in the province, Québec is a leader in the Canadian and international aerospace industry. Many opportunities abound for ÉNA graduates! The rigorous training that you will receive in the cutting-edge sector that is the aerospace industry will provide you with in-demand, high-level skills, that will help you progress up to company management positions if desired.

Furthermore, your acquired knowledge of mechanics, electronics, and design, are sought after in several manufacturing sectors relating to maintenance and parts manufacturing.

Average job placement 97%**

Average annual starting salary \$36,000**

Average annual higher salary* \$70,000**

** 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.

Source: Centre for Aerospace Manpower Activities in Québec - CAMAQ

GENERAL EDUCATION

The General Education requirement is a vital component of all education programs. The objective of the General Education requirement is to provide the student with a breadth of social and cultural experiences as a foundation for living responsibly in society. This requirement is composed of 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 wide variety of student groups and associations, meeting places, services, recreational sports, and intercollegiate teams (The Lynx). You will find everything you need to foster a unique lifestyle and a strong sense of belonging.



STUDENT SERVICES

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



280.CO AIRCRAFT MAINTENANCE TECHNOLOGY



Learn to

- › Maintain, inspect and repair aircraft and helicopters (piston or turbine engine, landing gear, structure, test bench, hydraulic, etc.) and maintain airworthiness
- › Check, repair, replace or modify aircraft components
- › Perform troubleshooting and identify snags on aircraft and write technical reports

The program is approved and accredited by Transport Canada and leads to an Aircraft Maintenance license (license M). We also provide the opportunity to take to European Certification Exam at ÉNA.

Your high school studies need to have been completed in English. If your high school studies were completed in another language than French or English, you must demonstrate the required proficiency in English by presenting the results to an English test (TOEFL or IELTS). Otherwise, please contact the registrar's office at 450 678-3561, #4215.

SECONDARY SCHOOL PRE-REQUISITES

MATHEMATICS **TS05** OR **S05** OR EQUIVALENT

AND **PHYSICS** **5**



17%

of graduates continue their **university studies** in Mechanical Engineering or Operations and Logistics Engineering

CAREERS

- › Aircraft Maintenance Technician
- › Aircraft Component Repair Technician
- › Test Bench Technician (engine)
- › Inspector
- › Structural repair technician (metal and composite materials)
- › Aircraft engine technician



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CURRICULUM

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

1ST SEMESTER

Physical Activity and Health
Introduction to College English
Applied Mathematics
Assembly and Installation
Aircraft Blueprint Reading
Aircraft Piston Engines
Introduction to Aeronautics

4TH SEMESTER

Physical Activity and Effectiveness
Humanities
French Second Language
Turbo Machine Maintenance
Alternate Current Avionics
Hydraulics and Pneumatics
Helicopters
Aircraft Instrumentation

2ND SEMESTER

Humanities: Knowledge
Literary Genres
Aircraft Applied Mathematics
Organic Materials Used in Aeronautics
Minor Repairs
Strength of Materials
Turbo Machine Operation

5TH SEMESTER

Complementary Course
Propeller Maintenance
Control Surfaces
Aircraft System Operation
Engine Performance
Internship on Planes 1
Internship on Helicopters 1
Radio Systems

3RD SEMESTER

Humanities: World Views
Literary Themes
French Language and Communication
Piston Engine Maintenance
Aerodynamics
Civil Aviation
Direct Current Avionics
Metal Structural Repair

6TH SEMESTER

Physical Activity and Autonomy
English for Specific Program
Complementary Course
Avionics Maintenance
Composite Structural Repair
Internship on Planes 2
Internship on Helicopters 2
Aircraft System Maintenance

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

SCHOOL VISIT

VIRTUAL ÉNA

To learn more about our school and its activities, or to plan a visit, please go to our website at: ena.ca/virtuel

L'ÉCOLE NATIONALE D'AÉROTECHNIQUE

Is a French language institution. Even though the language of instruction for this program is English, all other services and activities are offered in French. A bilingual advisor is available to advise and assist students in English.

ADMISSION

To submit an application for admission, please go to the regional service admission website for greater Montreal (SRAM) at: 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.ca/admission

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

450 678-3561, ext. 4215

TOLL FREE 1 800 897-4687

ena.api@ena.ca

Students Outside of Quebec
frederic.busseau@ena.ca

ena.ca/futurs-etudiants

ena.ca/suivez-nous



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FSC