



| CREDENTIAL | PROGRAM CODE | AREA OF INTEREST | LOCATION | DURATION |
|-------------------------|--------------|------------------|-------------|----------|
| Ontario College Diploma | Fall: 0301 | Aviation | Thunder Bay | 2 -year |

Overview

Sure, putting together small engines or fixing up cars can be fun. But do you have what it takes to keep a precision aircraft flying with all its systems, power plants, and aerodynamics?

Confederation College's two-year Aviation Technician – Aircraft Maintenance Co-op diploma program teaches you everything you need to know to prepare for the Transport Canada Aircraft Maintenance Engineer (AME) license. Get the hands-on experience you need to maintain, repair and troubleshoot complex aircraft systems. Topics include aircraft construction and science, electrical, airframe systems and inspection along with piston and turbine engines.



Top Highlights

- Designed and developed in consultation with aircraft maintenance industry and Transport Canada
- Hands-on learning with real equipment and a co-op work placement between 1st and 2nd year.
- Receive up to 21 months' credit towards experience requirements for an Aircraft Maintenance Engineer's Category "M" license (with 95% attendance record)
- Receive your WHMIS certificate, Human Factors certificate and Aeronautical Restricted Radio Operator license upon successful completion of those areas



Experiential Learning

Co-op



Employment Opportunities

Aircraft Maintenance personnel are in high demand.

Graduates have found employment with a variety of companies, including Major and Regional Airlines, Charter companies, Air Taxi services to name a few. The fixed and rotary wing training has afforded graduates the option of pursuing a career in airplanes or helicopters.

There are many different career paths in the world of aviation.



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confederationcollege.ca/aircraftmaintenance

This is **LEARNING** 

Aviation Technician - Aircraft Maintenance

Admission Requirements

- Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with:
 - Grade 12 English (C/U) Level and,
 - any Grade 12 Mathematics (C/U) Level.
- or successful completion of the Mature Student Assessment.
- or successful completion of the General Education Development Test (GED).
- or appropriate credits from the Academic and Career Entrance program (ACE).

Other Recommended Courses

- Grade 11 or 12 Physics.

Alternative Pathways

If you do not meet the entrance requirements, we encourage you to apply for the Pre-Technology program to facilitate success in your Technology path.

For all graduates of the Aviation Technician-Aircraft Maintenance Program there are 2 seats available into the Aviation Flight Management Program, provided entrance requirements are met.

First Semester

| | |
|--------|--------------------------------|
| AM 166 | Reciprocating Engines I |
| AM 167 | Reciprocating Engines Lab I |
| AM 172 | Aircraft Electrical I |
| AM 173 | Aircraft Electrical Lab I |
| AM 174 | Aerodynamics |
| AM 178 | Practical Aviation Mathematics |
| AM 182 | Structures I |
| AM 196 | Standard Practices I |
| AM 197 | Standard Practices Lab I |

Second Semester

| | |
|--------|------------------------------|
| AM 210 | CARS & Human Factors |
| AM 266 | Reciprocating Engines II |
| AM 267 | Reciprocating Engines Lab II |
| AM 272 | Aircraft Electrical II |
| AM 273 | Aircraft Electrical Lab II |
| AM 282 | Structures II |
| AM 283 | Structures Lab II |
| AM 288 | Turbines I |
| AM 296 | Standard Practice II |
| AM 297 | Standard Practice Lab II |
| GE | Elective |

Summer Co-Op

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|--------|--------------------------------------|
| AM 399 | Aircraft Maintenance Co-op Work Term |
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Third Semester

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|----------|--|
| AM 302 | CARS |
| AM 366 | Reciprocating Engines III |
| AM 367 | Reciprocating Engines Lab III |
| AM 370 | Aircraft Instrumentation & Systems |
| AM 371 | Aircraft Instrumentation & Systems Lab |
| AM 386 | Rotary I |
| AM 387 | Rotary Lab I |
| AM 388 | Turbines II |
| AM 389 | Turbines Lab II |
| AM 394 | Airframe Systems I |
| AM 395 | Airframe Systems Lab I |
| SY 066 | |
| or LV100 | (Elective) |

Fourth Semester

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|--------|-------------------------|
| AM 470 | Avionics |
| AM 471 | Avionics Lab |
| AM 486 | Rotary II |
| AM 487 | Rotary Lab II |
| AM 488 | Turbines III |
| AM 489 | Turbines Lab III |
| AM 490 | Airframe Systems II |
| AM 495 | Airframe Systems Lab II |
| GE | Elective |



Have questions? Want to apply?
Contact recruitment@confederationcollege.ca

