



**CREDENTIAL**  
Ontario College Diploma

**PROGRAM CODE**  
Fall: 0301

**AREA OF INTEREST**  
Aviation

**LOCATION**  
Thunder Bay

**DURATION**  
2 -year

## Overview

Welcome to the Aviation Technician - Aircraft Maintenance Program at Confederation College. This Ontario College Diploma program, approved by Transport Canada (TC-2013-08-4174), and recognized by the Canadian Armed Forces, prepares you for a rewarding career ensuring aircraft safety and reliability.

Through a combination of rigorous classroom instruction and hands-on experience, including a co-op work term with industry leaders, you'll become proficient in maintaining, repairing, and troubleshooting complex aircraft systems.



### Top Highlights

- **Transport Canada Approved:** Equip yourself with the knowledge and skills for the Aircraft Maintenance Engineer (AME) license.
- **Real-World Experience:** Benefit from co-op work term with industry leaders.
- **Comprehensive Curriculum:** Aircraft construction, electrical systems, airframe systems, helicopter maintenance, structural repair, electronic systems, propellers, aviation regulations, and aerodynamics.
- **WHMIS, Human Factors certificate, and Aeronautical Restricted Radio Operator license.**
- **Accelerated Pathway:** Complete 18 months of training and a 3-month co-op, earning 21 months credit towards the 48-month experience requirement for the AME Category "M" license.



### Experiential Learning

Co-op



### Employment Opportunities

**Aircraft Maintenance personnel are in high demand.**

- Regional Airlines
- Major Airlines
- Charter Companies
- Float Operators
- Helicopter Operators
- Maintenance and Overhaul facilities for fixed-wing aircraft and helicopters.



### Ideal Candidate

- Mechanically inclined, problem solving skills, detail-oriented



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**Program Coordinator/Professor**

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[confederationcollege.ca/aircraftmaintenance](http://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,
- 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 Courses Required

- Grade 11 Mathematics (M or U) or Grade 12 Mathematics (C or U), or equivalent, or ACE Core Math (UM602)

## 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

AM 399 Aircraft Maintenance Co-op Work Term

## Third Semester

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  
GE Elective

## Fourth Semester

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](mailto:recruitment@confederationcollege.ca)

