

# Aircraft Maintenance Technician\*

## School District Dual Credit Program

2019 - 2020

The Aircraft Maintenance Technician program is a 4-semester, 2-year program, or approximately 20 months. The first 3 semesters (55 weeks) of training takes place at Okanagan College Aerospace Campus, Vernon, BC. The final semester (18 weeks) takes place at Northern Lights College, Dawson Creek, BC. The diploma is conferred by Northern Lights College.

The program is designed to take a student with little or no previous experience in the aircraft maintenance trade and supply him/her with the necessary skills to seek employment in the industry as an apprentice Aircraft Maintenance Engineer. The curriculum follows Transport Canada's guidelines and upon successful completion of the program, Transport Canada will grant graduates 18 months of experience credits toward the 48-month experience requirement for an Aircraft Maintenance license.

### Career Opportunities

Aircraft Maintenance Technicians work for airline companies, the armed forces, and anywhere where aircraft are engineered, manufactured or maintained. For more info:

WorkBC – [www.workbc.ca](http://www.workbc.ca)

ITA – [www.itabc.ca](http://www.itabc.ca)

### Program Outline

**Term I: Okanagan College Aerospace campus session, Vernon, BC: 48 weeks**

**Term II: Northern Lights College, Dawson Creek, BC: 14 weeks**

#### Theory

AMET 100 Course Introduction  
AMET 101 Theory of Flight  
AMET 102 Blueprint and Parts  
AMET 103 Aircraft Electricity  
AMET 104 Non-Destructive Inspection  
AMET 105 Tools for Aircraft Maintenance  
AMET 106 Materials and Structures  
AMET 107 Hydraulics  
AMET 108 Regulations and Publications  
AMET 109 Reciprocating Engines  
AMET 110 Reciprocating Engine Components  
AMET 111 Turbine Engines  
AMET 112 Engine Auxiliary Systems



AMET 114 Aircraft Handling and Inspections  
AMET 115 Aircraft Controls & Rigging  
AMET 116 Fuel and Environmental Systems  
AMET 117 Landing Gear and Dynamic Drive Trains  
AMET 118 Navigation and Communication  
AMET 119 Aircraft Auxiliary Systems  
AMET 120 Troubleshooting and Human Factor

#### Practical

AMEP 100 Human Factors in AME Training  
AMEP 101 Practical Use of Hand and Machine Tools  
AMEP 102 Rivet Installation  
AMEP 103 Aluminum Forming, Assembly and Repair  
AMEP 104 Structural Repair  
AMEP 105 Shop Cleanup  
AMEP 106A Electrical Components and Circuits  
AMEP 106B Electrical Installation  
AMEP 107 Engine Maintenance  
AMEP 108 Engine Components  
AMEP 109 Safetying and Hydraulics

### Program Schedule

**Program duration:** 2 years (48 months)

**Dates:** February 3, 2020 to June 11, 2021

Okanagan College, Vernon

*Summer & Christmas Break TBD*

September 7, 2021 to January 21, 2022

Northern Lights College, Dawson Creek



## Tuition\*

Okanagan College AMT Tuition: TBD

Northern Lights College AMT Tuition: TBD

\* Dual Credit only covers the Okanagan College Tuition

## Location

Okanagan College's Aerospace Centre

7000 College Way, Vernon Campus

## Credentials Received

Upon successful completion, the graduate will receive a diploma in Aircraft Maintenance Engineering. Transport Canada also grants graduates of this program eighteen months of experience credits towards the forty-eight month experience requirement for an Aircraft Maintenance Engineer license.

## Physical Requirements

- Apply good study habits due to the 45% theory aspect of the training
- Possess the ability to manipulate small mechanical parts
- Have good vision (colour blindness is not a concern)
- Have no serious allergies to petroleum products
- Maintain balance while climbing tall ladders and workstands
- Be capable of standing on a concrete floor for long period of time

## Recommendations for Success

- Good general health and respiratory condition
- Strength and stamina to handle physical work
- Ability to tolerate loud noise and vibration from riveting tools
- Good manual dexterity to manipulate small nuts, bolts, fittings, and components
- Eye sight; must be correctable to 20/20 with good line, form and depth perception
- Good manual dexterity
- Good hand-eye co-ordination



## Sponsorship Requirements for School District Students

- Attend "Student for a Day" at Okanagan College in the program of interest
- Complete the School District application package and hand it into your Career Programs Coordinator
- Successfully pass the School District entrance criteria for English and Math (ABLE Tests)
- Be on track to graduate with a Dogwood diploma
- Meet with parents and Career Coordinator to review program and school district expectations
- Okanagan College course requirements/admission requirements met for program
- Application approved and accepted by School District
- An interview may be required for potential applicants

## Student for a Day

Interested in an exciting career in the aviation industry? Okanagan College would like to give you the opportunity to check out the Aircraft Maintenance Technician program at the Vernon Aerospace Campus.

Arrange your Student for a Day experience by contacting your school Career Counselor.

## CONTACTS:

Applications are available at your school Career Centre or [www.dualcredit23.com](http://www.dualcredit23.com)



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