

Aircraft Maintenance Technician*

School District Dual Credit Program

*as of September 2019

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

ITA – www.itabc.ca

Program Outline

Term I: Okanagan College Aerospace campus session, Vernon, BC: 55 weeks

Term II: Northern Lights College, Dawson Creek, BC: 18 weeks

Theory

AMT 101 General Introduction
AMT 102 Aerodynamics Fixed Wing Aircraft
AMT 103 Materials Aircraft Structures
AMT 104 Aircraft Hardware Approved Parts
AMT 105 Aircraft Hydraulic Pneumatic Systems
AMT 106 Aircraft Equipment Introduction
AMT 107 Basic Aircraft Electricity DC
AMT 108 Blueprint Design
AMT 109 Hand Tools
AMT 110 Aviation Math
AMT 111 Canadian Aviation Regulations 1
AMT 112 Flight Controls Fixed Wing and Rigging



AMT 114 Practical Projects
AMT 121 Canadian Aviation Regulations 2
AMT 122 Non Destructive Testing Corrosion
AMT 123 Aircraft Aerodynamics Rotary
AMT 124 Human Factors in Aviation
AMT 125 Aircraft Maintenance Inspections
AMT 126 Basic Electricity AC
AMT 127 Turbine Engine Theory
AMT 128 Piston Engines 1
AMT 129 Reciprocating Components
AMT 130 Electrical Systems
AMT 132 Practical Projects 2
AMT 210 Instrumentation and Avionics
AMT 211 Dynamic Systems
AMT 212 Aircraft Protection Systems
AMT 213 Weight and Balance
AMT 214 Piston Engines 2
AMT 215 Propellers
AMT 216 Turbine Engine Systems
AMT 217 Landing Gear
AMT 218 Rotary Flight Controls and Rigging
AMT 219 Turbine Engine Systems
AMT 220 Practical Projects 3
AMT 221 Canadian Aviation Regulations 3
AMT 222 Practical Projects 4



Fees

SD23 Pays:

2020-21 Tuition \$8156.79

- * Northern Lights College AMT Tuition: TBD
- * Dual Credit only covers the Okanagan College Tuition

Student Pays:

- Textbooks: \$462.13 approx.
- Mandatory Fees \$1452.22 Fall 2019 intake include: Activity fee, Health & Dental, Student Association fee, Education Technology fee, Development fee.
- All amounts are approximate and are subject to change.

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
- Be on track to graduate with a Dogwood diploma
- Meet with 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

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