

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: 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



Fees

SD23 Pays:

- 2019-20 Tuition \$7996.63 (2020 TBD)
- * Northern Lights College AMT Tuition: TBD
- * Dual Credit only covers the Okanagan College Tuition

Student Pays:

- Textbooks: \$462.13 Fall 2019 intake(2020 TBD)
- Mandatory Fees \$1429.23 Fall 2019 intake (2020 TBD) 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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