

AIRCRAFT MAINTENANCE ENGINEER CATEGORY "M" MECHANICAL (AMT)



Central Okanagan
Public Schools
Together We Learn



The program consists of 74 weeks (2035 Hours) of full-time studies. Approximately 45 percent of the day is spent on theory discussions in a classroom setting, followed by hands-on-practical training. Semesters 1 to 3 are delivered at the Okanagan College Vernon Aerospace Campus, Semester 4 is delivered at Kelowna Aerospace Campus. The program follows a national set of standards and is accredited by Transport Canada. Upon successful completion, the graduate will receive an Okanagan College Diploma. Transport Canada will grant graduates 18 months Basic Training credit to the required 48 months total credit that is required to obtain an Aircraft Maintenance Engineer "M" 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.skilledtradesbc.ca

Credentials Received

Upon successful completion, the student will receive:

- OC diploma in Aircraft Maintenance Engineering.
- Transport Canada grants 18 months of experience credits towards the 48-month experience requirement for an Aircraft Maintenance Engineer "M" license.
- Dual Credit students will receive 5 grade-12 electives (20 credits) towards high school graduation upon successful completion of the first semester.

Graduation Requirements

A minimum grade of 70% is required in every course to complete the program.

Tuition

SD23 Pays:

- Tuition: Approx \$4,000.00 (only 1 semester)

Student Pays:

- Semesters 2, 3, 4 tuition to OC
- Mandatory Fees: \$2,292.38 includes:
Activity fee, Health & Dental, Student Association fee, Education Technology fee, Developmental fee
- Textbooks: \$80 + Supplies

*All program costs are approximate and subject to change without notice.



Location

Okanagan College Aerospace Campus
7000 College Way, Vernon Campus and YLW
Kelowna Campus



Student for a Day

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

**TRAIN FOR ONE OF THE
MOST IN-DEMAND
CAREERS IN AVIATION**

Program Outline

Term 1: Okanagan College Aerospace campus session, Vernon, BC, 55 weeks

Term 2: Kelowna Aerospace Campus, BC, 18 weeks

Theory

- * AMEC101 - Orientation
- * AMEC102 - Practical Aviation Mathematics
- * AMEC103 - Aerodynamics and Aircraft Construction
- * AMEC104 - Basic Electrical Theory
- * AMEC105 - Canadian Aviation Regulations Level 1
- * AMEC106 - Aircraft Systems Level 1
- * AMEC121 - Machine Shop
- * AMEC122 - Metal Aircraft Construction Lab 1
- * AMEC123 - Aircraft Composites Level 1

- * AMEM201 - Aircraft Electricity Level 2
- * AMEM202 - Powerplants Level 2-Reciprocating Engines
- * AMEM203 - Reciprocating Engine Systems Theory
- * AMEM204 - Propeller Theory
- * AMEM221 - Electrical Components and Operation
- * AMEM222 - Reciprocating Engine Maintenance

- * AMEM301 - Powerplants Level 2-Turbine Engines
- * AMEM302 - Turbine Engine Systems
- * AMEM303 - Aerodynamics Level 2
- * AMEM304 - Aircraft Systems Level 2
- * AMEM305 - Aircraft Instrumentation
- * AMEM306 - Rotary Wing Airframe Systems
- * AMEM321 - Turbine Engine Maintenance
- * AMEM322 - Basic Airframe Maintenance

- * AMEM401 - Canadian Aviation Regulations Level 2
- * AMEM421 - Helicopter Maintenance
- * AMEM422 - Fixed Wing Maintenance
- * AMEM423 - Engine Removal and Installation
- * AMEM424 - Landing Gear
- * AMEM425 - Hanger Support
- * AMEM426 - Aircraft System Maintenance
- * AMEM427 - Aircraft Troubleshooting and Repair

Sponsorship Requirements for SD23 Students

- Attend "Student for a Day"
- 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 exemptions
- Okanagan College course requirements / admission requirements met for program- see OC Website for full details.
- Application approved and accepted by School District
- An interview may be required for potential applicants

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 periods 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 coordination
- Demonstrate an attitude of safety in the workplace at all times

**Applications are available at your school
Career Centre or go to
www.dualcredit23.sd23.bc.ca**



CONTACTS:

Bob Boback, Dual Credit Coordinator
bob.boback@sd23.bc.ca

Lynn Kumalae, Administrative Assistant
lynn.kumalae@sd23.bc.ca

Chris Ovelson, Apprenticeship Coordinator
chris.ovelson@sd23.bc.ca

