

# AIRCRAFT MAINTENANCE ENGINEER (Structures)



Central Okanagan  
Public Schools  
Together We Learn



This program consists of 37 weeks (8.5 months) of full-time studies. Approximately 50% of the day is spent on theory discussions in a classroom setting, followed by hands-on practical training in the shops located in Okanagan College's Aerospace Campus at Kelowna International Airport. The program follows a national set of standards and is approved by Transport Canada. Upon successful completion, the graduates of this program receive ten months experience credit towards the 36 month experience requirement. Upon completion of the required total work experience and successful completion of a regulatory exam you will qualify for a Transport Canada AME "S" Licence.

## Career Opportunities

Aircraft Maintenance Engineers—Structures work for airline companies, the armed forces, and anywhere there are aircrafts manufactured or maintained. For more information on Aircraft Maintenance Engineer (Structures) employment opportunities:

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

STBC - [www.skilledtradesbc.ca](http://www.skilledtradesbc.ca)

## Admission Requirements

Grade 12 student with good attendance and academic standing on a Dogwood graduation plan.  
English 10 with a minimum 50%, Math 11 with a minimum 50%.

## Program Outline

This program combines theory and hands-on training in the following courses, with a minimum passing grade of 70% per course.

AVST 100 Standard Shop Practices

AVST 101 Metal Aircraft Construction 1

AVST 102 Metal Aircraft Construction 2

AVST 200 Special Processes / Practices

AVST 201 Composite Fabrication / Repair 1

AVST 202 Damage Assessment / Repair 1

AVST 300 Damage Assessment / Repair 2

## Tuition

SD23 Pays:

- Tuition: \$7,973.26

Student Pays:

- Mandatory Fees: \$1,337.19 includes:  
Activity fee, Health & Dental, Student Association fee, Education Technology fee, Developmental fee
- Textbooks: \$80 + some supplies

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



## Location

Okanagan College Aerospace Campus  
5650 Aerospace Drive, Kelowna International Airport



## 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!***

## Credentials Received

Upon successful completion, the graduate will receive an Okanagan College certificate. Transport Canada also grants ten months experience credit towards the 36 month experience requirement for the Transport Canada AME"S" License. Secondary school students will earn 40 elective credits (10 Grade 12 courses) towards graduation.

## Physical Requirements

- Activities require lifting and carrying tools, supplies and equipment weighing up to 25 kg
- Lift, carry, hold and operate hand, air and power tools from floor to above shoulders
- Stand on concrete and asphalt for extended periods of time.
- Not limited to drilling, cutting, filing, sanding, sewing, painting, riveting, shearing, hammering, shoring, jacking, sawing, nailing, lifting, sweeping, cleaning and towing large aircraft
- Learn and work in both indoor and outdoor venues, through all seasonal challenges
- Activities may be required to work in awkward, uncomfortable positions for extended periods of time
- Use of solvents, cleaners, paints and adhesives

## 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
- Hearing; able to work in a hazardous environment and recognize the dangers of jet engines running and propeller driving aircraft dangers recognizable by sound, as well be able to communicate complicated instructions in high noise environments
- Demonstrate an attitude of safety in the workplace at all times

## 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

## Focus on Safety

Okanagan College is committed to providing a safe learning environment for students. All students are responsible for:

- Knowing safe work procedures in classroom, shop and work areas
- Following the safety standards as taught by the instructor. These standards meet or exceed the regulatory requirements of the WorkSafe BC Occupational Health and Safety Regulation.

Failure to do so may result in suspension from the program. Each student is expected to report any unsafe condition or unsafe behavior to their instructor.

**Applications are available at your school  
Career Centre or go to  
[www.dualcredit23.sd23.bc.ca](http://www.dualcredit23.sd23.bc.ca)**



### CONTACTS:

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