

AIRCRAFT STRUCTURE TECHNICIAN – UNLICENSED (ITAC)

An Aircraft Structure Technician - Unlicensed is a person who selects, measures, shears, cuts, bends, forms, heat treats, seals, fabricates, fits, inspects, paints and refinishes parts and components to drawing specifications for new aircraft construction. The job also involves the use of drills, countersinks, dimples, reams and tapes holes for bolting, screws, riveting and installation of special fasteners.

The apprentice assembles parts and components and sub-assemblies, using special jigs and fixtures. Special tools and tooling are used for the installation of bolts, rivets, screws and special fasteners. Completed components will be installed in aircraft and the licensed Aircraft Structural Technician will inspect and verify the installation and operation of the components affected using testing and measuring equipment as required.

The ITAC designation is only recognized in BC for specific applications and is not the same as the Aircraft Structure Technician Unlicensed certification from CAMC.

Aircraft Structure Technician - Unlicensed designation may work or qualify as:

- Aircraft Structure Manufacturing Technician
- Aircraft Structural Technician
- Aircraft Structure Repair Technician

WHAT ARE THE WAGES?

Apprentice:

- \$14.00 - \$20.00 per hour

Journeyman:

- \$21.00 - \$24.00 per hour
- \$41,00.00 per year

WHAT CERTIFICATIONS ARE REQUIRED?

Diploma:

- See education below.

Apprenticeship:

- The Aircraft Maintenance Technician – Unlicensed (ITAC) apprenticeship process requires time spent learning on the job. An Aircraft Maintenance Technician trainee must complete a four (4) year program including 6,720 of workplace hours and 480 in-school hours of training. After completion of training, a passing grade on exams will result in the BC Certificate of Apprenticeship. The apprentice is now considered a qualified, highly skilled journeyman. Achieving certification earns the candidate a Red Seal trades designation. This certification makes it possible to work in any province or territory across Canada. The challenge process exists for individuals with six (6) full time years experience in the Aircraft Structural Technician trade. With verified previous experience, applicants with passing grades on the examination will receive a BC Certificate of Qualification.
- Apprenticeship options also available through the Canadian Aviation Maintenance Council (CAMC).

Licensing:

- Certification from ITAC.

Recurrent Training:

- Employer determined.

WHAT ARE THE CORE COMPETENCIES OF THE POSITION?

The following core competencies are required:

- Grade 12 Completion including:
 - English 12
 - Algebra 11 or trade mathematics 11
 - Physics 11 or Science and Technology 11
- Good eye sight and colour vision
- Attention to detail
- Fluent written and verbal English is mandatory

WHAT TYPE OF WORK EXPERIENCE IS REQUIRED BEYOND CERTIFICATION?

An Aircraft Structure Technician - Unlicensed must expect a requirement for 4 years of on-the-job training to progress in the trade.

WHAT ARE THE WORKING CONDITIONS?

Aircraft Structure Technicians - Unlicensed can expect to work on the aircraft in the hangar and on the flight line. Adverse conditions may include weather extremes, noise, odours, and danger.

WHERE ARE THE JOBS?

Aircraft Structure Technicians - Unlicensed are predominately employed by major airlines and large repair and overhaul organizations.

EDUCATION

| BCIT | AIRCRAFT STRUCTURES TECHNICIAN |
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| www.bcit.ca | The program is one term of the AME - S program. Students will attend lectures approximately 50 per cent of the time, while gaining hand-on experience 50 per cent of the time. |
| ENTRANCE REQUIREMENTS | <p>Entrance Requirements:</p> <p>High school Graduation</p> <ul style="list-style-type: none">• English 12 or Communications 12.• Academic Math 11 or Introduction to Math 11 or Math 11A or Aviation Trade Math.• English language proficiency.• BCIT pretest is acceptable for English and Math. Some drafting is recommended. Mature students may be given special consideration, subject to an interview and testing by instructional staff.• Note: Applied Academics courses taught in BC high schools are acceptable as entrance requirements for BCIT programs. Applied Academics courses can be used to meet these requirements, as follows: Technical and Professional Communications 12 meets English 12 requirement; Applications of Math 11 meets Math 11 requirement; Applications of Math 12 meets Math 12 requirement; Applications of Physics 11 AND 12 meets Physics 11 requirement; Information Technology 12 meets Computer Science 12 requirement.• For information on specific Applied Academics course equivalencies as they relate to entrance requirements for your chosen program, please contact your high school counsellor or BCIT Registration and Information at 604-434-1610. <p>BCIT Fresh Start</p> <ul style="list-style-type: none">• The Fresh Start program is a full-time technical literacy program that provides academic upgrading in an applied setting for students wishing to enter a trades/technical program at BCIT. |
| PROGRAM LENGTH | 16 weeks full-time. |

On-line
Career
Pathway
Guide

AIABC

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