

AIRCRAFT STRUCTURAL TECHNICIAN

Occupation Description

“Aircraft Structural Technician” means a person who selects, measures, shears, cuts, bends, forms, heat treats, seals, fabricates, fits, inspects, paints and refinishes parts and components to drawing specifications; drills, countersinks, dimples, reams and taps holes for bolting, screws, riveting, and installation of special fasteners; assembles parts and components and sub-assemblies using special jigs and fixtures; uses special tools and tooling for installation of bolts, rivets, screws and special fasteners; installs completed components in aircraft and inspects and verifies the installation and operation of the components using test and measuring equipment as required; reworks and/or replaces components to rectify damaged or malfunctioning components.

For detailed information on the scope of knowledge and skills taught and assessed in this program refer to the Program Outline, available on the ITA website.

Pathways to Certification

In BC, an individual can become certified as an Aircraft Structural Technician by completing the Aircraft Structural program. Apprenticeship programs are for individuals who have an employer to sponsor them.

There is no challenge pathway for this program.

Youth can begin an apprenticeship in high school through the Youth Train in Trades or Youth Work in Trades programs. The Youth Work in Trades program is available for any trade if an employer is willing to sponsor the student. Trades offered through the Youth Train in Trades vary by region; contact your local school district to find out which technical training programs are being offered through the Youth Train in Trades program in your region.

Note: Licensing for Aircraft Maintenance Engineer (AME) “S” rating is separate from certification as an ITA Aircraft Structural Technician. AME licensing is issued by Transport Canada. There are no transferable credits between the two programs. Please visit www.tc.gc.ca for details.

Recommended Education

The following education is recommended for apprentices entering this occupation. These are not prerequisites, but rather a desired level of skill or knowledge that will contribute to success in the industry.

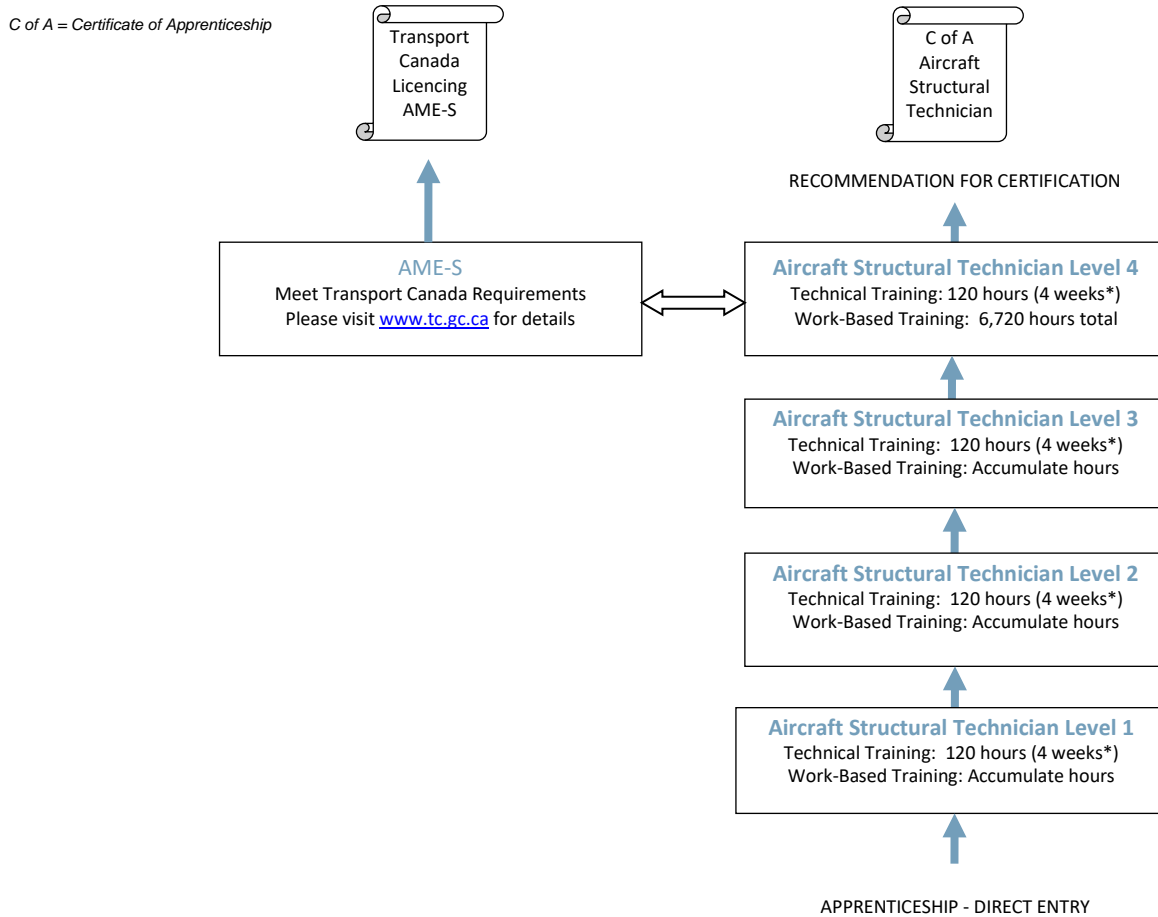
- Grade 12 or equivalent, including Math 12, English 12, Physics 12

ITA Registration

Individuals who wish to begin an apprenticeship in this program must register with ITA along with their sponsors. Application forms for all programs are available from the ITA website. Online registration is also available for most programs through the ITA website.

Apprenticeship Pathway

This graphic provides an overview of the Aircraft Structural Technician apprenticeship pathway.



**Suggested duration based on 30-hour week*

CROSS-PROGRAM CREDITS

Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program

None

Apprenticeship Program Standards

Credentials Awarded	<ul style="list-style-type: none"> ▪ Aircraft Structural Technician – Certificate of Apprenticeship 								
ITA Registration Prerequisites	<ul style="list-style-type: none"> ▪ Agreement signed by the employer to sponsor the apprentice 								
Completion Requirements	<p>Certification as an Aircraft Structural Technician is awarded upon successful completion of:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Requirement</th> <th style="text-align: left;">Level of Achievement Required</th> </tr> </thead> <tbody> <tr> <td>Technical Training</td> <td> Minimum 70% in each level of technical training: <ul style="list-style-type: none"> ▪ Level 1: 120 hours (or 4 weeks*) ▪ Level 2: 120 hours (or 4 weeks*) ▪ Level 3: 120 hours (or 4 weeks*) ▪ Level 4: 120 hours (or 4 weeks*) </td> </tr> <tr> <td>Work-Based Training</td> <td> <ul style="list-style-type: none"> ▪ 6,720 hours </td> </tr> <tr> <td>Recommendation for Certification</td> <td> <ul style="list-style-type: none"> ▪ Recommendation for certification signed by the Sponsor and an individual holding credentials eligible for sign-off authority </td> </tr> </tbody> </table>	Requirement	Level of Achievement Required	Technical Training	Minimum 70% in each level of technical training: <ul style="list-style-type: none"> ▪ Level 1: 120 hours (or 4 weeks*) ▪ Level 2: 120 hours (or 4 weeks*) ▪ Level 3: 120 hours (or 4 weeks*) ▪ Level 4: 120 hours (or 4 weeks*) 	Work-Based Training	<ul style="list-style-type: none"> ▪ 6,720 hours 	Recommendation for Certification	<ul style="list-style-type: none"> ▪ Recommendation for certification signed by the Sponsor and an individual holding credentials eligible for sign-off authority
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Program Duration	<p>Duration varies depending on how training is delivered, but the program generally takes 4 years to complete.</p> <p>The technical training requirement is typically met through block-release training (full-time, at school) delivered by an ITA-approved training provider. It can also be met through approved alternative training models (e.g., distance education, online, part-time) and/or level challenge where these options are available.</p>								
Sign-off Authority	<p>Credentials eligible to sign-off on the Recommendation for Certification:</p> <ul style="list-style-type: none"> ▪ Aircraft Structural Technician – Certificate of Qualification ▪ Transport Canada Aircraft Maintenance Engineer “S” License ▪ ITA-issued letter authorizing supervision and sign-off of apprentices in this occupation 								
Challenging a Level	<p>The following levels of technical training can be challenged for advanced placement in this program:</p> <ul style="list-style-type: none"> ▪ None 								
Cross-Program Credits	<p>Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Credential</th> <th style="text-align: left;">Credit(s) Granted</th> </tr> </thead> <tbody> <tr> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	Credential	Credit(s) Granted	N/A	N/A				
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INDUSTRY TRAINING PROGRAM PROFILE RECOGNIZED PROGRAM

Supporting Documents

Aircraft Structural Technician Program Outline (2011) – Defines the full scope of knowledge and skills required to competently perform the occupation in BC. Available from the ITA website.

Contacts

The **Industry Training Authority** (ITA) manages B.C.'s industry training and apprenticeship programs. Contact ITA Customer service if you have any questions regarding registration, examinations or certification for this program.

Telephone: 778-328-8700
Toll Free (within BC): 1-866-660-6011
Website: www.itabc.ca

Fax: 778-328-8701
Email: customerservice@itabc.ca

Revision History

The standards for this program were reviewed and/or updated on the dates below.

Program Standards Approved: March 2002
Updated: March 2006
Updated: December 2011

Program Profiles are updated regularly. Visit www.itabc.ca for the most current version.