



ASPHALT PAVING/LAYDOWN TECHNICIAN

Occupation Description

Asphalt Paving/Laydown Technicians operate machines that lay, screed, compact or mill surface materials in highway and road construction. They may also operate trucks equipped with road sanding, road oiling and other similar apparatus.

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 Asphalt Paving/Laydown Technician by completing the Asphalt Paving/Laydown Technician program or by challenging the certification. Apprenticeship programs are for individuals who have an employer to sponsor them and challenge programs are for individuals who have extensive experience working in the occupation and wish to challenge the certification.

Recommended Education and Experience

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 10 or equivalent including English 10 and Math 10
- One year of related experience in industry

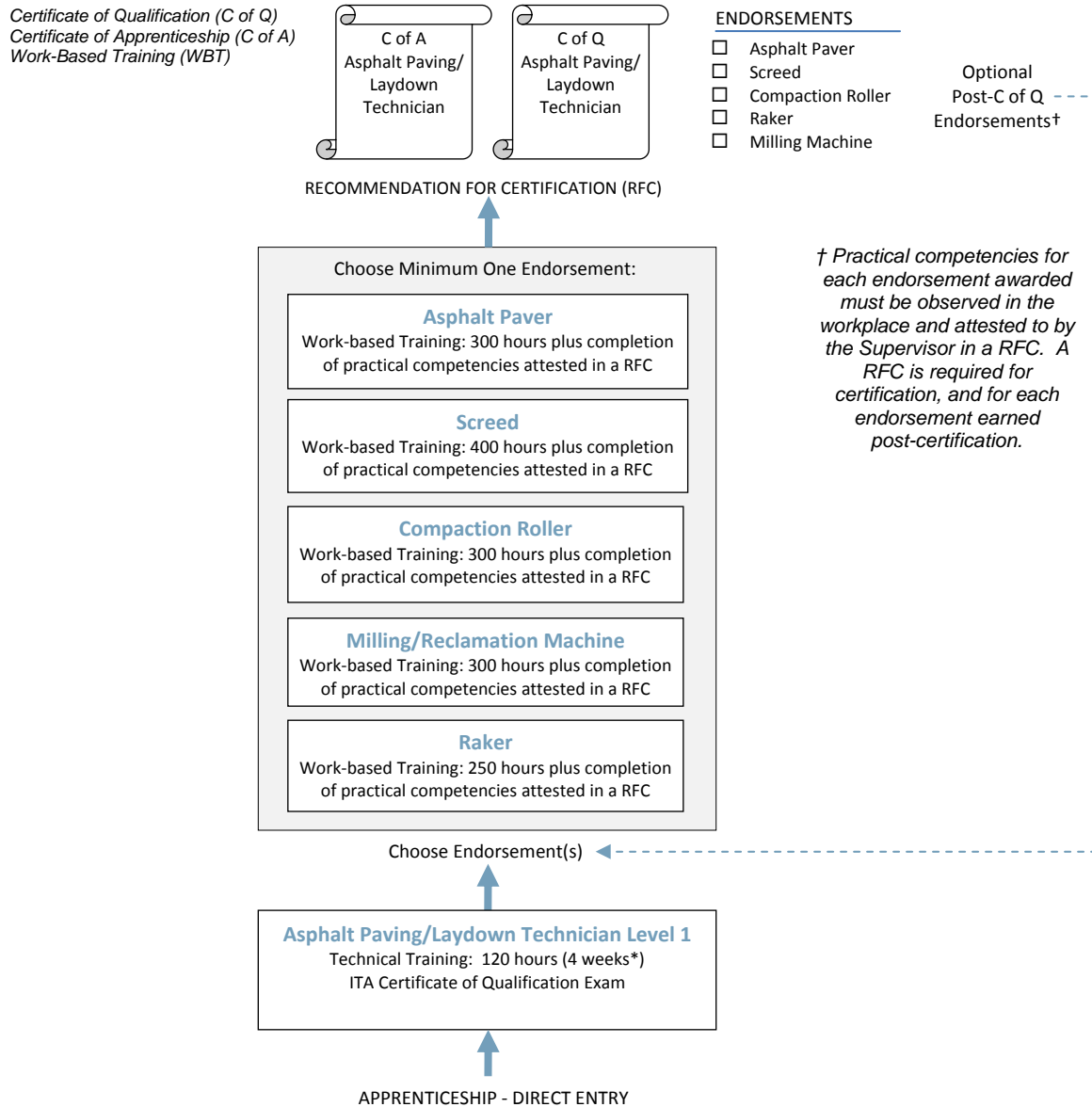
ITA Registration

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

Those who wish to challenge the Asphalt Paving/Laydown Technician certification must complete the Asphalt Paving/Laydown Technician Challenge Application and submit it to ITA. Challenge applications are assessed for proof of workplace hours and scope of experience prior to acceptance of the individual into the Challenge pathway.

Apprenticeship Pathway

This graphic provides an overview of the Asphalt Paving/Laydown 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



INDUSTRY TRAINING PROGRAM PROFILE
RECOGNIZED PROGRAM

Apprenticeship Program Standards

| Credentials Awarded | <ul style="list-style-type: none"> ▪ Asphalt Paving/Laydown Technician – Certificate of Qualification ▪ Asphalt Paving/Laydown 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 a Asphalt Paving/Laydown Technician is awarded upon successful completion of:</p> <table border="0" style="width: 100%;"> <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 technical training: <ul style="list-style-type: none"> ▪ 120 hours (or 4 weeks*) </td> </tr> <tr> <td>Work-Based Training</td> <td> <ul style="list-style-type: none"> ▪ Completion of all practical competencies and hours for a minimum of one equipment endorsement listed below </td> </tr> <tr> <td>Complete minimum one endorsement</td> <td> Meet minimum work-based training hours requirement for the endorsement, and achieve 100% competency rating on Recommendation for Certification: <ul style="list-style-type: none"> ▪ Asphalt Paver: 300 hours ▪ Screed: 400 hours ▪ Compaction Roller: 300 hours ▪ Milling/Reclamation Machine: 300 hours ▪ Raker: 250 hours </td> </tr> <tr> <td>Recommendation for Certification</td> <td> <ul style="list-style-type: none"> ▪ Recommendation for Certification (RFC) signed-off by the Sponsor and/or an individual holding credentials eligible for sign-off authority showing achievement of 100% of competencies and completion of work-based training hours for at least one endorsement. Please submit the RFC form available on the website to ITA for assessment and verification. </td> </tr> <tr> <td>ITA Certificate of Qualification Exam</td> <td> <ul style="list-style-type: none"> ▪ Minimum 70% </td> </tr> </tbody> </table> <p>Additional endorsements may be earned after certification has been awarded, and added to the original Certificate of Qualification.</p> <p><i>(*Assuming 30 hours in school per week)</i></p> | Requirement | Level of Achievement Required | Technical Training | Minimum 70% in technical training: <ul style="list-style-type: none"> ▪ 120 hours (or 4 weeks*) | Work-Based Training | <ul style="list-style-type: none"> ▪ Completion of all practical competencies and hours for a minimum of one equipment endorsement listed below | Complete minimum one endorsement | Meet minimum work-based training hours requirement for the endorsement, and achieve 100% competency rating on Recommendation for Certification: <ul style="list-style-type: none"> ▪ Asphalt Paver: 300 hours ▪ Screed: 400 hours ▪ Compaction Roller: 300 hours ▪ Milling/Reclamation Machine: 300 hours ▪ Raker: 250 hours | Recommendation for Certification | <ul style="list-style-type: none"> ▪ Recommendation for Certification (RFC) signed-off by the Sponsor and/or an individual holding credentials eligible for sign-off authority showing achievement of 100% of competencies and completion of work-based training hours for at least one endorsement. Please submit the RFC form available on the website to ITA for assessment and verification. | ITA Certificate of Qualification Exam | <ul style="list-style-type: none"> ▪ Minimum 70% |
| Requirement | Level of Achievement Required | | | | | | | | | | | | |
| Technical Training | Minimum 70% in technical training: <ul style="list-style-type: none"> ▪ 120 hours (or 4 weeks*) | | | | | | | | | | | | |
| Work-Based Training | <ul style="list-style-type: none"> ▪ Completion of all practical competencies and hours for a minimum of one equipment endorsement listed below | | | | | | | | | | | | |
| Complete minimum one endorsement | Meet minimum work-based training hours requirement for the endorsement, and achieve 100% competency rating on Recommendation for Certification: <ul style="list-style-type: none"> ▪ Asphalt Paver: 300 hours ▪ Screed: 400 hours ▪ Compaction Roller: 300 hours ▪ Milling/Reclamation Machine: 300 hours ▪ Raker: 250 hours | | | | | | | | | | | | |
| Recommendation for Certification | <ul style="list-style-type: none"> ▪ Recommendation for Certification (RFC) signed-off by the Sponsor and/or an individual holding credentials eligible for sign-off authority showing achievement of 100% of competencies and completion of work-based training hours for at least one endorsement. Please submit the RFC form available on the website to ITA for assessment and verification. | | | | | | | | | | | | |
| ITA Certificate of Qualification Exam | <ul style="list-style-type: none"> ▪ Minimum 70% | | | | | | | | | | | | |
| Program Duration | <p>Duration varies depending on how training is delivered, but the program generally takes 1 year 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"> ▪ Asphalt Paving/Laydown Technician – Certificate of Qualification | | | | | | | | | | | | |



**INDUSTRY TRAINING PROGRAM PROFILE
RECOGNIZED PROGRAM**

Apprenticeship Program Standards

Challenging a Level The following levels of technical training can be challenged for advanced placement in this program:

- None

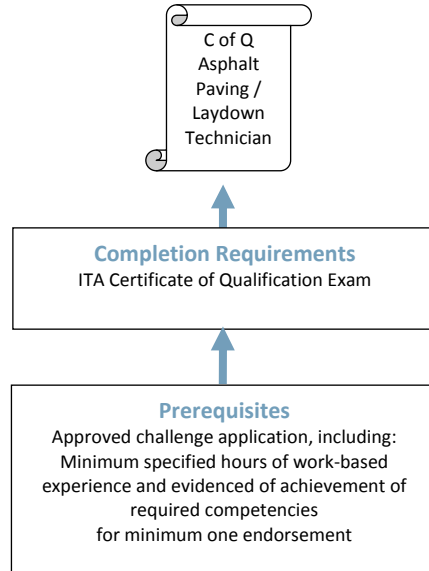
Cross-Program Credits Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program

| Credential | Credit(s) Granted |
|------------|-------------------|
| N/A | N/A |

Challenge Pathway

This graphic provides an overview of the Asphalt Paving/Laydown Technician challenge pathway.

Certificate of Qualification (C of Q)



CREDIT FOR PRIOR LEARNING

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

None



**INDUSTRY TRAINING PROGRAM PROFILE
RECOGNIZED PROGRAM**

Challenge Program Standards

| Credentials Awarded | Asphalt Paving/Laydown Technician – Certificate of Qualification | | | | |
|--|--|-------------|-------------------------------|---------------------------------------|---------------|
| ITA Registration Prerequisites | <p>An approved Challenge Application, which includes:</p> <ul style="list-style-type: none">▪ Documented hours of directly-related experience working on a minimum of any one Asphalt Paving/Laydown Technician endorsement:<ul style="list-style-type: none">○ Asphalt Paver 450 Hours○ Screed 600 Hours○ Compaction Roller 450 Hours○ Milling/Reclamation Machine 450 Hours○ Raker 375 Hours▪ Evidence of achievement of 100% of required competencies for each endorsement listed in the Challenge Application | | | | |
| Credentials Entitled to Challenge | <p>Individuals who hold the credentials listed below are considered to have met the prerequisites for challenging this program</p> <ul style="list-style-type: none">▪ N/A | | | | |
| Completion Requirements | <p>Certification as a Asphalt Paving/Laydown Technician is awarded upon successful completion of:</p> <table><thead><tr><th>Requirement</th><th>Level of Achievement Required</th></tr></thead><tbody><tr><td>ITA Certificate of Qualification Exam</td><td>▪ Minimum 70%</td></tr></tbody></table> | Requirement | Level of Achievement Required | ITA Certificate of Qualification Exam | ▪ Minimum 70% |
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| ITA Certificate of Qualification Exam | ▪ Minimum 70% | | | | |



INDUSTRY TRAINING PROGRAM PROFILE RECOGNIZED PROGRAM

Supporting Documents

Asphalt Paving/Laydown Technician Program Outline (2012) – Defines the full scope of knowledge and skills required to competently perform the occupation in BC. Available from the ITA website.

Asphalt Paving/Laydown Technician Logbook. Available through the Crown Publications Website www.crownpub.bc.ca

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: July 2005
Updated: June 2008
Updated: February 2012

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