

## **PILEDRIVER AND BRIDGEWORKER**

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### **Occupation Description**

“Piledriver and Bridgeworker” means a person who constructs, installs, repairs or removes all types of deep piles and caisson foundations and other types of marine installations: such as bridges, docks, wharves, tunnels and bulkheads. Skills required are fitting welding, rigging, form-work and timber/concrete construction, seamanship, heavy-duty equipment operation and environmentally safe practices. For detailed information on the scope of knowledge and skills taught and assessed in this program refer to the Program Outline, available on the SkilledTradesBC website.

### **Pathways to Certification**

In BC, an individual can become certified as a Piledriver and Bridgeworker by completing the Piledriver and Bridgeworker 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.

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.

### **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 10 or equivalent including English 10, Math 10 and Science 10
- Preferred: Grade 12

### **SkilledTradesBC Registration**

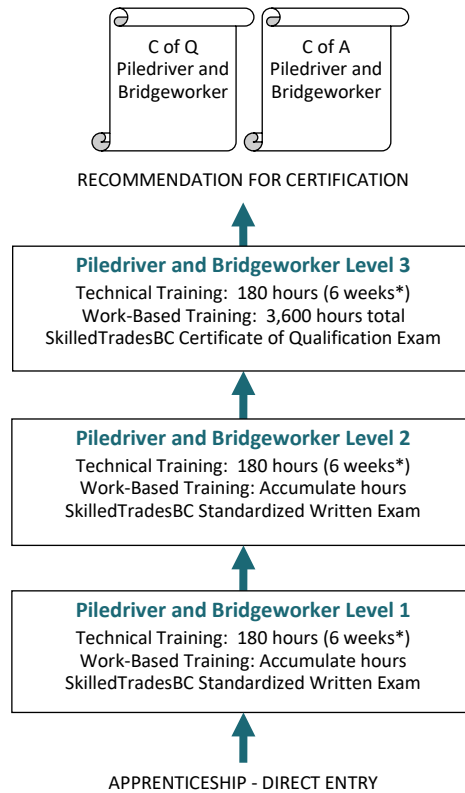
Individuals who wish to begin an apprenticeship in this program must register with SkilledTradesBC along with their sponsor. Application forms for all programs are available from the SkilledTradesBC website. Online registration is also available for most programs through the SkilledTradesBC website.

Those who wish to challenge the Piledriver and Bridgeworker certification must complete the Piledriver and Bridgeworker Challenge Application and submit it to SkilledTradesBC. 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 Piledriver and Bridgeworker apprenticeship pathway.

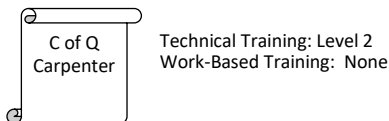
*C of Q = Certificate of Qualification  
C of A = Certificate of Apprenticeship*



*\*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*



**Apprenticeship Program Standards**

**Credentials Awarded**

- Piledriver and Bridgeworker – Certificate of Qualification
- Piledriver and Bridgeworker – Certificate of Apprenticeship

**SkilledTradesBC  
Registration Prerequisites**

- Agreement signed by the employer to sponsor the apprentice

**Completion Requirements** Certification as a Piledriver and Bridgeworker is awarded upon successful completion of:

<b>Requirement</b>	<b>Level of Achievement Required</b>
Technical Training	Minimum 70% in each level of technical training: <ul style="list-style-type: none"> <li>▪ Level 1: 180 hours (or 6 weeks*) and SkilledTradesBC standardized written exam</li> <li>▪ Level 2: 180 hours (or 6 weeks*) and SkilledTradesBC standardized written exam</li> <li>▪ Level 3: 180 hours (or 6 weeks*)</li> </ul>
SkilledTradesBC Certificate of Qualification Exam	<ul style="list-style-type: none"> <li>▪ Minimum 70%</li> </ul>
Work-Based Training	<ul style="list-style-type: none"> <li>▪ 3,600 hours</li> </ul>
Recommendation for Certification	<ul style="list-style-type: none"> <li>▪ Recommendation for certification signed by the Sponsor and an individual holding credentials eligible for sign-off authority</li> </ul>

*(\*Assuming 30 hours in school per week)*

**Program Duration**

Duration varies depending on how training is delivered, but the program generally takes 3 years to complete.  
The technical training requirement is typically met through block-release training (full-time, at school) delivered by a SkilledTradesBC-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.

**Sign-off Authority**

Credentials eligible to sign-off on the Recommendation for Certification:

- Piledriver and Bridgeworker – Certificate of Qualification
- SkilledTradesBC-issued letter authorizing supervision and sign-off of apprentices in this occupation

**Challenging a Level**

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

- none

**Cross-Program Credits**

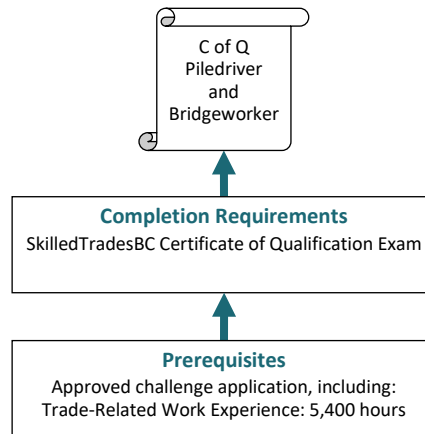
Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program

<b>Credential</b>	<b>Credit(s) Granted</b>
Carpenter – Certificate of Qualification	<ul style="list-style-type: none"> <li>▪ Technical Training: Level 2</li> <li>▪ Work-Based Training: None</li> </ul>

### Challenge Pathway

This graphic provides an overview of the Piledriver and Bridgeworker challenge pathway.

*C of Q = Certificate of Qualification*



**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

### Challenge Program Standards

**Credentials Awarded**

Piledriver and Bridgeworker – Certificate of Qualification

**SkilledTradesBC**

**Registration Prerequisites**

An approved Challenge Application, which includes:

- 5,400 documented hours of directly related experience working in the occupation

**Credit for Prior Learning**

Individuals who hold the credentials listed below are considered to have met, or partially met, the prerequisites for challenging this program:

**Credential**

**Credit(s) Granted**

- None

**Completion Requirements**

Certification as a Piledriver and Bridgeworker is awarded upon successful completion of:

**Requirement**

**Level of Achievement Required**

SkilledTradesBC Certificate of Qualification Exam

- Minimum 70%

**Supporting Documents**

Piledriver and Bridgeworker Program Outline (2010) – Defines the full scope of knowledge and skills required to competently perform the occupation in BC. Available from the SkilledTradesBC website.

**Contacts**

SkilledTradesBC manages B.C.'s industry training and apprenticeship programs. Contact SkilledTradesBC Customer service if you have any questions regarding registration, examinations or certification for this program.

Telephone:	778-328-8700	Fax:	778-328-8701
Toll Free (within BC):	1-866-660-6011	Email:	<a href="mailto:customerservice@skilledtradesbc.ca">customerservice@skilledtradesbc.ca</a>
Website:	<a href="http://www.skilledtradesbc.ca">www.skilledtradesbc.ca</a>		

**Revision History**

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

Program Standards Approved:	March 2002
Updated:	January 2006
Updated:	December 2010
Updated:	August 2013
Update:	September 2016

Program Profiles are updated regularly. Visit [www.skilledtradesbc.ca](http://www.skilledtradesbc.ca) for the most current version.