

WATER WELL DRILLER

Occupation Description

“Water Well Driller” refers to a person who sets up and operates mobile equipment used to drill residential commercial and industrial water wells. In addition, they conduct other types of industrial drilling. They must know the geological formations of the area where they are working to find potable water that is clean and safe for drinking. They may assist customers in selecting a drilling site and estimating the cost. Water Well Drillers re-construct, re-develop and disinfect older and contaminated wells and water-pumping systems.

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 a Water Well Driller by completing the Water Well Driller 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

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 level of education: Graded 12

ITA Registration

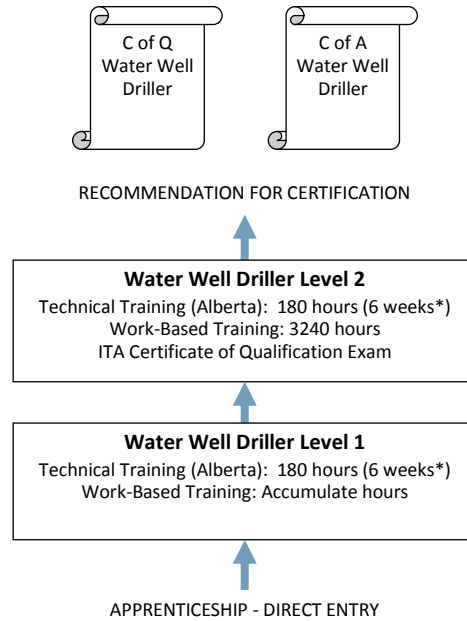
Individuals who wish to begin an apprenticeship in this program must register with ITA along with their sponsor. Application forms for all programs are available from the ITA website. Online registration is also available for most programs through the ITA website.

Those who wish to challenge the Water Well Driller certification must complete the Water Well Driller 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 Water Well Driller apprenticeship pathway.

*C of Q = Certificate of Qualification
C of A = Certificate of Apprenticeship
WBT = Work-Based Training*



**Suggested duration based on 30-hour week*

CROSS-PROGRAM CREDITS
None



INDUSTRY TRAINING PROGRAM PROFILE RECOGNIZED PROGRAM

Apprenticeship Program Standards

Credentials Awarded

- Water Well Driller – Certificate of Qualification
- Water Well Driller – Certificate of Apprenticeship

ITA Registration Prerequisites

- Agreement signed by the employer to sponsor the apprentice
- **Note:** Technical training for this program is delivered in Alberta by Red Deer College. An ITA ID number is created when you register in the program in BC, but you must have an Alberta ID number as well in order to register for technical training. Contact ITA to have this number created for you.

Completion Requirements

Certification as a Water Well Driller is awarded upon successful completion of:

Requirement	Level of Achievement Required
Technical Training (Delivered in Alberta by Red Deer College)	Minimum 70% in each level of technical training: <ul style="list-style-type: none"> ▪ Level 1: 180 hours (or 6 weeks*) ▪ Level 2: 180 hours (or 6 weeks*)
ITA Certificate of Qualification Exam	<ul style="list-style-type: none"> ▪ Minimum 70%
Work-Based Training	<ul style="list-style-type: none"> ▪ 3,240 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

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

Program Duration

Duration varies depending on how training is delivered, but the program generally takes 2 years to complete.

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.

Sign-off Authority

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

- Water Well Driller – Certificate of Qualification
- BC Ground Water Association Certificate

Challenging a Level

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

Level	Prerequisites
<ul style="list-style-type: none"> ▪ None 	<ul style="list-style-type: none"> ▪ n/a

Cross-Program Credits

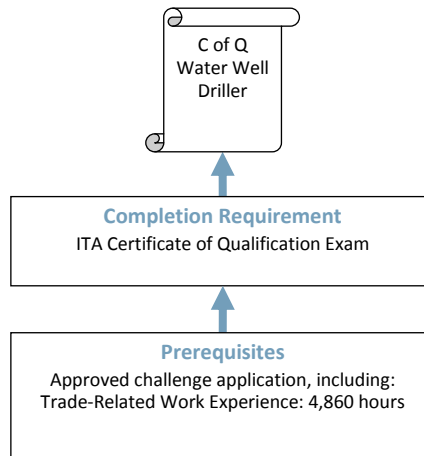
Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program

Credential	Credit(s) Granted
None	<ul style="list-style-type: none"> ▪ n/a

Challenge Pathway

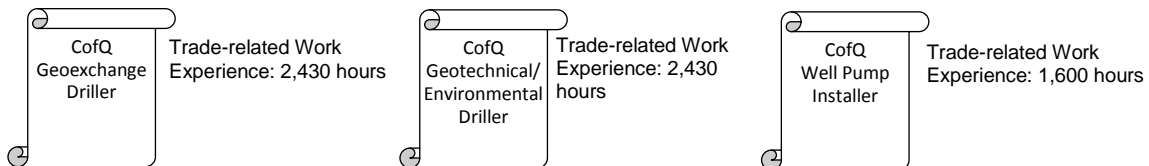
This graphic provides an overview of the Water Well Driller challenge pathway.

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



Challenge Program Standards

Credentials Awarded Water Well Driller – Certificate of Qualification

ITA Registration Prerequisites An approved Challenge Application, which includes:

- 4,860 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
Geoexchange Driller – Certificate of Qualification	▪ Work experience: 2,430 hours
Geotechnical/Environmental Driller – Certificate of Qualification	▪ Work experience: 2,430 hours
Well Pump Installer– Certificate of Qualification	▪ Work experience: 1,600 hours

Completion Requirements Certification as a Water Well Driller is awarded upon successful completion of:

Requirement	Level of Achievement Required
ITA Certificate of Qualification Exam	▪ Minimum 70%



INDUSTRY TRAINING PROGRAM PROFILE RECOGNIZED PROGRAM

Supporting Documents

Water Well Driller Apprenticeship Course Outline (Alberta 2004) – Defines the full scope of knowledge and skills taught during technical training. Available from the ITA website.

Water Well Driller Occupational Analysis Chart (2013) – Defines the full scope of knowledge and skills tested on the ITA certification exam. 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

BC Ground Water Association works with industry to identify current and emerging knowledge and skill requirements for occupations related to this program, explore training and certification options, and maintain this program.

Telephone: 604-530-8934
Fax: 604-530-8934
Toll Free (within BC): 1-855-530-8934
E-mail: secretary@bcgwa.org
Website: www.bcgwa.org

Revision History

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

Program Standards Approved: March 2002 (ITAC)
Updated: August 2006 (ITA)

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