

GEOTECHNICAL/ENVIRONMENTAL DRILLER

Occupation Description

Geotechnical/Environmental Drillers (Geo/Enviro Driller) operate various types of mobile soil and rock drilling equipment for the purpose of gathering site characterization information and data. Geo/Enviro drillers typically work together on site with an engineer or technologist to achieve a greater understanding of the stratigraphy or hydrogeological conditions present by collecting soil or water samples, performing various types of probe or in-situ tests, or by setting various types of installations for either geotechnical or environmental monitoring. Geo/Enviro drillers must have both training and experience with various drilling, sampling and testing techniques in order to conduct a safe and efficient site investigation program, and to ensure the maintenance of drilling and support equipment. Geo/Enviro drillers must also have a competent understanding of provincial hole closure regulations to ensure safety to both the environment and public.

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 B.C., an individual can become certified as a Geotechnical/Environmental Driller by challenging the certification. There is no Apprenticeship pathway for this trade. 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 challengers 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: Grade 12.

ITA Registration

Individuals who wish to challenge the Geotechnical/Environmental Driller certification must complete the Geotechnical/Environmental 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

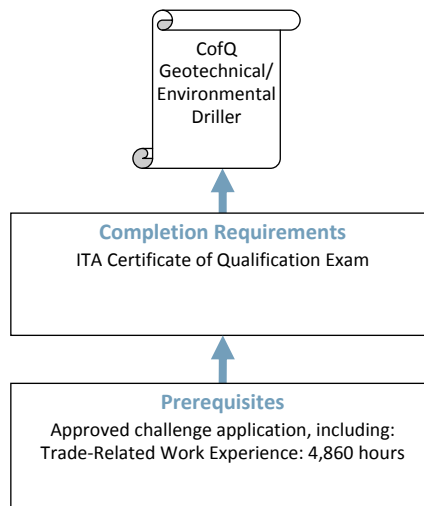
There is currently no apprenticeship pathway for the Geotechnical Environmental Driller program.

Challenge Pathway

This graphic provides an overview of the Geotechnical/Environmental Driller challenge pathway.

Geotechnical/Environmental Driller

C of Q = Certificate of Qualification



CREDIT FOR PRIOR LEARNING



Challenge Program Standards

Credentials Awarded	Geotechnical/Environmental Driller – Certificate of Qualification									
ITA Registration Prerequisites	An approved Challenge Application, which includes: <ul style="list-style-type: none"> ▪ 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: <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Credential</th> <th style="text-align: left;">Credit(s) Granted</th> </tr> </thead> <tbody> <tr> <td>Water Well Driller – Certificate of Qualification</td> <td> <ul style="list-style-type: none"> ▪ Work experience: 3,610 hours </td> </tr> <tr> <td>Geoexchange Driller – Certificate of Qualification</td> <td> <ul style="list-style-type: none"> ▪ Work experience: 3,240 hours </td> </tr> <tr> <td>Geotechnical/Environmental Driller – Certificate of Qualification</td> <td> <ul style="list-style-type: none"> ▪ Work experience: 510 hours </td> </tr> </tbody> </table>		Credential	Credit(s) Granted	Water Well Driller – Certificate of Qualification	<ul style="list-style-type: none"> ▪ Work experience: 3,610 hours 	Geoexchange Driller – Certificate of Qualification	<ul style="list-style-type: none"> ▪ Work experience: 3,240 hours 	Geotechnical/Environmental Driller – Certificate of Qualification	<ul style="list-style-type: none"> ▪ Work experience: 510 hours
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Completion Requirements	Certification as a Geotechnical/Environmental Driller is awarded upon successful completion of: <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Requirement</th> <th style="text-align: left;">Level of Achievement Required</th> </tr> </thead> <tbody> <tr> <td>Geotechnical/Environmental Driller – ITA Certificate of Qualification Exam</td> <td> <ul style="list-style-type: none"> ▪ Minimum 70% </td> </tr> </tbody> </table>		Requirement	Level of Achievement Required	Geotechnical/Environmental Driller – ITA Certificate of Qualification Exam	<ul style="list-style-type: none"> ▪ Minimum 70% 				
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Supporting Documents

Geotechnical/Environmental Driller Program Outline (2014) – Defines the full scope of knowledge and skills required to competently perform the occupation in B.C. Available from the ITA website.

Geotechnical/Environmental Driller Occupational Analysis Chart (2014) – Defines the full scope of knowledge and skills tested on the ITA Certification Exam. Available from the ITA website.



INDUSTRY TRAINING PROGRAM PROFILE RECOGNIZED PROGRAM

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	Fax:	778-328-8701
Toll Free (within B.C.):	1-866-660-6011	Email:	customerservice@itabc.ca
Website:	www.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 B.C.):	1-855-530-8934	Email:	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: September 2014

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