



SOCE Industry Services Application and Commitment Form

Associate Certificate in Fundamentals of Water and Wastewater Operations

Indigenous Students

September 2025 – September 2026

Thank you for your interest in the Associate Certificate in Fundamentals of Water and Wastewater Operations. This program will run from September 4, 2025 – September 5, 2026.

Full funding for Indigenous students from British Columbia, Canada is generously being provided by the Dennis and Phyllis Washington Foundation for the September 2025-26 program year. The estimated cost of the full program is \$ 4, 307.57 plus applicable student fees, which are applied to the first course in the program.

Funding is limited! Applications will be reviewed on a first come, first served basis, so please submit your application as soon as possible. At this time funding is only available for residents of BC.

Program Recommendations & Requirements

Please review and confirm that you meet the following program recommendations. Please submit a scanned copy of your transcript.

- ☐ English: Grade 12 level or equivalent with a 67% mark or higher
- ☐ Chemistry: Grade 11 level or higher with a 67% mark or higher
- ☐ Math: Grade 11 level or higher with a 67% mark or higher

This program is specifically designed for individuals either seeking employment in the Water or Wastewater sector or currently employed in the Water and Wastewater industry and seeking advancement.

Note: If you do not meet these entry recommendations, you may consult with program administration to discuss your particular situation.

Technical Requirements

Students are required to have a PC or laptop, reliable high-speed internet. A web-camera and microphone are required for virtual online sessions.

EOCP Certification

BCIT's Associate Certificate in Fundamentals of Water and Wastewater Operations is designed to meet the educational requirement for an "Operator- In-Training" (following completion of 2 of 5 of the courses, or 9.0 CEU's) and completion of the full program helps prepare graduates to write the "Operator Level 1" Exam through the Environmental Operators Certification Program (EOCP). Please be advised that there are other requirements to becoming an Operator Level 1 including one year experience at a Class 1 facility. The entry level positions you may opt to apply for during this program would count towards those Level 1 EOCP hour requirements, but will not necessarily have you undertaking operator work. For more information about EOCP certification, please visit <https://eocp.ca/>.

Student Statement

Please provide a brief paragraph about what interests you about the program and why you are applying. If you have any background experience in the water and wastewater operations sector, please let us know.

STUDENT COMMITMENT:

As a participant of this program, I _____ acknowledge that I understand the following:
(full name)

Initials

- _____ This program is delivered primarily online through BCIT's Learning Hub educational platform (<https://learn.bcit.ca>)
- _____ I will attend a virtual program orientation, scheduled on **Thursday, September 4, 2025** at 9:00 am – 12:00 pm (pst).
- _____ I may opt to apply to seasonal or temporary work opportunities. An alternate research-based activity is available for students unable to participate in employment.
- _____ I understand that the BCIT Associate Certificate in Fundamentals of Water and Wastewater Operations prepares students to be an Operator in Training (OIT) per EOCP guidelines and to write the theoretical component of the Level 1 exam. This program does not offer all the work experience requirements needed to become an Operator Level 1.
- _____ This program is delivered as a **cohort-based model**. As such, I am signing up for the program as a whole (and not individual courses).
- _____ I must successfully complete each course in the program in order to progress through the program and be registered into the next and subsequent courses.
- _____ On successful completion of all courses in this program, I am required to submit a Program Declaration and an Application for BCIT Credential form to graduate and receive my credential.

Full Name: _____ **BCIT ID (if known):** A0 _____

Signature: _____ **Date:** _____

Preferred First Name: _____

If you have a preferred first name, which you wish to use during the program orientation, please note it above.

Please submit this form along with your transcript to Andrea_Dusani@bcit.ca.



PART-TIME STUDIES INDUSTRY REGISTRATION

WATR 1010 Water Treatment Systems Operation

Industry Services School of Construction and the Environment
SE1-140, 3700 Willingdon Avenue, Burnaby, BC, Canada V5G 3H2
T 604-432-8885 F 604.435.4219 E Andrea.Dusani@bcit.ca
W www.bcit.ca/construction-environment/industry-services/

Instructions: 1) Save this PDF to your desktop, 2) Open with Adobe Reader or Adobe Acrobat, 3) Complete all required fields, 4) Save, 5) Close PDF then re-open to ensure the content you filled in has saved, 6) Submit to BCIT at stackhoughton@bcit.ca, or send it by fax to 604-435-4219.

COLLECTION AND USE OF PERSONAL INFORMATION

Personal information on this form is collected under the authority of College and Institute Act, RSBC, 1996, c. 52 and s. 26 of the Freedom of Information and Protection of Privacy Act, RSBC, 1996, c. 165 for admissions, enrolment, decisions on your academic status and other purposes related to you attending a post-secondary institution in the Province of British Columbia and being a member of the BCIT community including the BCIT Student Association, BCIT Alumni Association, and BCIT Foundation. The information that you provide is used and disclosed for these purposes and only in accordance with the above legislation or as required by provincial or federal government authorities. If you have any privacy concerns, please visit bcit.ca/admission/privacy or contact the Associate Director, Privacy; 3700 Willingdon Ave, Burnaby, BC V5G 3H2; tel: 604.432.8508; email: privacy@bcit.ca

SPONSOR INFORMATION (if applicable)

Company/Agency/Organization*			
Dennis & Phyllis Washington Foundation			
Contact Address*	City*	Prov/State*	Postal Code/ZIP*
101 International Drive, P.O. Box 16630	Missoula	MT	59808
Please indicate your consent to allow BCIT to contact you in the future regarding your experience in attending this course, and to relay your story to the Dennis & Phyllis Washington Foundation.			Consent to future contact*
			<input type="checkbox"/> Yes <input type="checkbox"/> No

Fields marked with an asterisk (*) are mandatory.

PERSONAL INFORMATION

Your BCIT ID Number ¹	Social Insurance Number (SIN)*	Birth Date (DD-MMM-YYYY)*
A0		
Legal First Name (given name)*	Middle Name	Legal Last Name (family name)*
Previous Last Name (e.g., maiden name)	Preferred First Name	Gender*
		<input type="checkbox"/> Female <input type="checkbox"/> Male <input type="checkbox"/> Non-binary

¹Visit <https://secure.bcit.ca/sis/reg/> for directions on how to generate or find a student number.

CONTACT INFORMATION—All BCIT correspondence will be sent to the address indicated.

Please provide at least one phone number*

Home Mailing Address (number and street)*			Personal Phone Number
City*	Province	Postal Code*	Business Phone Number
Country*	Personal (non-BCIT) Email Address* - This will be the primary method of communication from BCIT		
Emergency Contact Name	Relationship to Student	Emergency Contact Number	

CITIZENSHIP / LANGUAGE

ABORIGINAL STATUS

Status in Canada*	Country of Citizenship*	Do you identify yourself as an Aboriginal person?
<input type="checkbox"/> Canadian Citizen		<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Diplomat or Diplomat Dependent		
<input type="checkbox"/> Life-in Caregiver Work Permit		
<input type="checkbox"/> Non-Canadian—Distance/Online	Country of Birth	If you identify yourself as an Aboriginal person, are you (please check all that apply):
<input type="checkbox"/> Permanent Resident		<input type="checkbox"/> First Nation <input type="checkbox"/> Métis <input type="checkbox"/> Inuit
<input type="checkbox"/> Refugee—Claimant		
<input type="checkbox"/> Refugee—Status Granted	Is English your primary language?*	Please send me information on services available to Aboriginal students.
<input type="checkbox"/> Study Permit	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Visitor or Visitor Visa		
<input type="checkbox"/> Work Permit		

Signature*	Date (DD-MMM-YYYY)*

For office use only.

Course Number	CRN	Course Title	Start Date	Campus	Tuition Fees
WATR 1010	48547	Water Treatment Systems Operation	Sept 8, 2025		\$0.00



Associate Certificate in Fundamentals of Water and Wastewater Operations September 2025-26 Cohort Schedule

Virtual Program Launch – September 4, 2025 at 9:00 am – 12:00 pm (pst)

Applicants have demonstrated an appropriate level of math and chemistry. Students confirm ability to access Learning Hub prior to.

For virtual sessions, students are required to have a PC or laptop, reliable high-speed internet, web-camera, microphone. The virtual session is mandatory except for verified reasons of health or safety.

General Framework:

- Welcome & Meet Your Instructors/BCIT Staff
- Welcome by Metro Vancouver
- Presentation by EOCP
- Students Introductions (they are to be prepared)
- Program Orientation
- Learning Hub 101 (optional)

Course Schedule

September 8 – November 8, 2025

WATR 1010 Water Treatment Systems Operation (online)

November 9 - 16 – 1-week break

November 17 – January 31, 2026

WATR 1020 Wastewater Treatment Systems Operation (online)

December 21 – January 4, 2026 (2-week winter break)

February 1 – February 8, 2026 (1-week break)

February 9 – April 11, 2026

WATR 1030 Water Distribution and Mechanical Systems (online)

April 12-19, 2026 – 1-week break

April 20 – June 20, 2026

WATR 1040 Wastewater Collection and Mechanical Systems (online)

June 21 – July 5, 2026 – 2-week break

July 6 – September 5, 2026

WATR 1050 Communications, Legislation and Safety (online)

Program Structure

- This is a one-year part time program consisting of 5 courses each 9 weeks in length, which are delivered entirely online according to the above course schedule.
- Course content and modules are available through the BCIT's online portal, the Learning Hub. Generally, you complete one module per week and the program offers great flexibility as you can determine what time of day you can complete your work (mornings, afternoons, evenings or weekends). There will be specific deadlines to submit assignments, quizzes, and exams, so you have to be mindful about submitting before the deadline. The submission window is typically a couple days.
- There is a mandatory online program orientation on **September 4th at 9:00 am – 12:00 pm**. If you are employed, you may need to make arrangements with your employer to attend this session.
- All of our instructors host office hours. These are normally held bi-weekly and in the evening. The instructor polls students before setting the schedule. You can attend these out of interest, to connect with your peers, and to ask questions.
- We occasionally have guest speakers during the office hours and do try to record these whenever possible in case a student misses the session or if they have technical issues.

Employment Experience

- Students are employable in entry level positions in the water and wastewater treatment sector at the mid-way point of the program.
- The flexibility of this part-time studies program will allow students to undertake employment experience, while taking courses.
- BCIT will inform students about various entry-level seasonal and temporary employment positions and co-operative education placements. Students will have the opportunity to apply for these positions directly with the employers. It is at the employer's discretion to interview and hire students.
- Please be aware that these positions normally have a mandatory Class 5 driver's license requirement.
- Co-op placements and seasonal/temporary opportunities often start in May and continue throughout the summer. However, start and end dates may differ depending on the position or co-op placement.
- Employment experience will be woven into the program through an assignment, which is introduced during WATR 1030 and completed by the last course in the program, WATR 1050. Students will submit a written report and also present to the class during a scheduled online evening session.
- Students not able to participate in an employment experience may undertake an alternate activity that is research-based.
- Please note that the tasks associated with the employment experience are determined by the employer and the job category, and are entry level. They are not necessarily designed to give the employee experience in the operator role, but rather to achieve general workplace experience within the water treatment sector, and hours that will count towards the EOCP Level 1 requirements.

School of Construction and the Environment

ASSOCIATE CERTIFICATE IN FUNDAMENTALS OF WATER AND WASTEWATER OPERATIONS



The Associate Certificate in Fundamentals of Water and Wastewater Operations provides the essential knowledge and skills for entry level positions in the Water and Wastewater Treatment sector. The program is designed to meet the educational requirement for an "Operator In Training" and the competencies gained in this program will serve as a foundation for passing the theoretical component for the EOCP Level I certification examinations for all four facility/system types. These include Water Distribution, Water Treatment, Wastewater Collection, and Wastewater Treatment.

The program will be offered as a series of part-time courses. Courses will be delivered using a cohort model in a hybrid format primarily in an online format, with some virtual components and work experience placement to water and wastewater facilities. The mix of theoretical and real world learning opportunities will enable students to apply their learning in meaningful and concrete ways.

The program is designed to be completed by a cohort of up to 24 students over a 12-month period.

At this point in time, the courses are not available on a one-off basis. They are delivered sequentially, as part of the Associate Certificate. One-off offerings of the courses may be able to be organized through a single company offering.

The program scheduling has been created to allow individuals to remain working while taking the Associate Certificate.

The Associate Certificate in Fundamentals of Water and Wastewater Operations is:

- Comprised of five, 3.0 credit, online courses, for a total of 15 credit, with each course delivered over a 9-week time frame.
- Prefaced by a 'Program Orientation' session delivered using a virtual platform.

The five courses include:

1. WATR 1010 – Water Treatment Systems Operation: Explores the individual components and subsystems that support water treatment systems in BC.
2. WATR 1020 – Wastewater Treatment Systems Operation: Introduces the basics of various technologies and wastewater treatment systems used in BC.
3. WATR 1030 – Water Distribution and Mechanical Systems: Explores the basics of installation, operation and maintenance of water distribution and mechanical systems.
4. WATR 1040 – Wastewater Collection and Mechanical Systems: Describes the basics of installation, operation and maintenance of wastewater collection and mechanical systems.
5. WATR 1050 – Communications, Legislation and Safety: Introduces how to communicate effectively with other professionals, and organize work activities as well as safety procedures and regulations applicable to water/wastewater treatment and distribution systems.

ENTRANCE REQUIREMENTS

Applicants to the program (cohort) will be individuals interested in employment in the field, as well as those already employed in the field.

It is recommended that applicants to the program possess the following skills and experience prior to entry:

- English: Grade 12 level or equivalent with a 67% mark or higher.
- Chemistry: Grade 11 level or higher with a 67% mark or higher.
- Math: Grade 11 level or higher with a 67% mark or higher.

An EOCP requirement for certification is graduation from secondary school (or equivalent).

Note: Those not meeting these entry recommendations can consult with program administration to discuss their particular situation.

Upcoming intake:

September 2025 – September 2026

The Associate Certificate in the Fundamentals of Water and Wastewater Operations was created through a partnership between the Environmental Operators Certification Program, Metro Vancouver, Municipalities, and BCIT.

This program is specifically designed for individuals either seeking a career in the Water or Wastewater sector or for those currently employed in the Water and Wastewater industry, but have not received formal training.

THIS PROGRAM WAS DEVELOPED BY INDUSTRY FOR INDUSTRY. FOR MORE INFORMATION

Andrea Dusanj | 604.432.8885 | Andrea_Dusanj@bcit.ca | bcit.ca/water

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

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Subject to change without notice

August 2024